

**NetAgent 9 mini (p.1 - p.148)**

**NetAgent A mini (p.149 - p.209)**

UPS SNMP Agent

User's Manual

## **User Guide for NetAgent**

Version 7.0

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# **Chapter 1. Introduction**

## **1.1 Features**

NetAgent is the SNMP (Simple Network Management Protocol) card for monitoring UPS. Not only could remote control the UPS and get the current status of it, the NetAgent that has 3 ports or USB ports could also provide other functions, ex. connect to compatible modem to send SMS notification, or our NetFeeler II and its additional sensors for ambient temperature, humidity and water status. This product is for "Contact Closure" and "RS232" interface UPS. The communication protocol includes the Contact Closure, RS232[MegaTec], Phoenixtec], SEC 2400, SEC 9600, Megatec Three Phase, ..etc. NetAgent provides a simple and easy installation procedure. CD provides along with NetAgent offers several software to allow the user to configure IP address; central monitoring and multi shutdown on different operating systems. Other advance configurations could be accomplished in the Web browser.

Features:

- ❶ Provide SNMP MIB to monitor & control UPS
- ❷ Auto-sense 10M /100M Fast Ethernet (*10M/100M/1000M is available for specific model*)
- ❸ Manage and configure via Telnet, Web Browser or NMS
- ❹ Support TCP/IP, UDP, SNMP, Telnet, SNTP, PPP, HTTP, HTTPS, SMTP, Modbus Protocol
- ❺ Support SSL/TLS, SSH Encryption
- ❻ Providing easy setup and upgrade tools via our Netility software
- ❼ Send SNMP TRAP ; E-mail and SMS for events notification.
- ❸ Auto email daily UPS history report
- ❹ Perform graceful shutdown with our ClientMate software
- ❿ Add-on optional NetFeeler II for temperature, humidity, water, smoke and door sensor

## 1.2 Applications

### ■ NetAgent allows UPS to be monitor on network

When the UPS connects with NetAgent, the system manager could check each and every UPS condition by a computer with Browser installed. The manager could monitor and control the UPS by simply input the IP address of the NetAgent which connects to the UPS. When there is a power abnormal condition happens, the NetAgent could also send the trap information to the system manager to take proper action.

### ■ NetAgent Provides Shutdown Utilities

When a computer install our shutdown software in the network that connects to the NetAgent, when UPS is in AC failure condition or Battery Low condition, the software would close all the files of the operating system and shutdown gracefully. This could avoid system corrupt when a power disconnection happened.

### ■ NetAgent II for Surrounding Monitoring

3 Ports NetAgent or NetAgent with USB ports could connect to optional sensor-NetFeeler II to get the surrounding temperature/humidity/smoke/fire signals. These information could also be revealed on the NetAgent Web page. When there is an abnormal condition happened, it could also be sent as a trap to the system manager.

When we need the NetAgent?

- ① When we need to remote monitoring and controls the UPS conditions. For example, the system manager could use the Internet to control all the UPS conditions all over the country. When the shutdown utility is installed, the shutdown utility could close all the files and shutdown the system when a power abnormal condition happened.
- ② When we need to monitor surrounding conditions of the server room, warehouse, office, etc. For example, the system manager could know the temperature, humidity, smoke and water condition by our NetFeeler II which connects with NetAgent. User may read the data via NetAgent webpage.

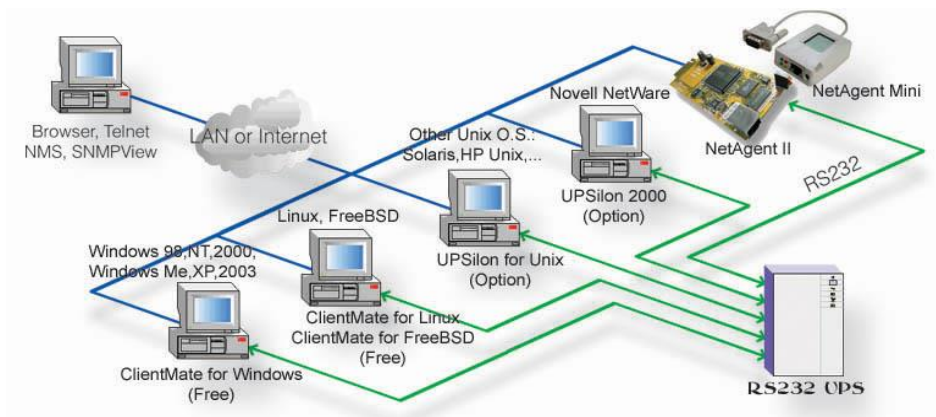


Fig.1 Network connection diagram of NetAgent and shutdown software

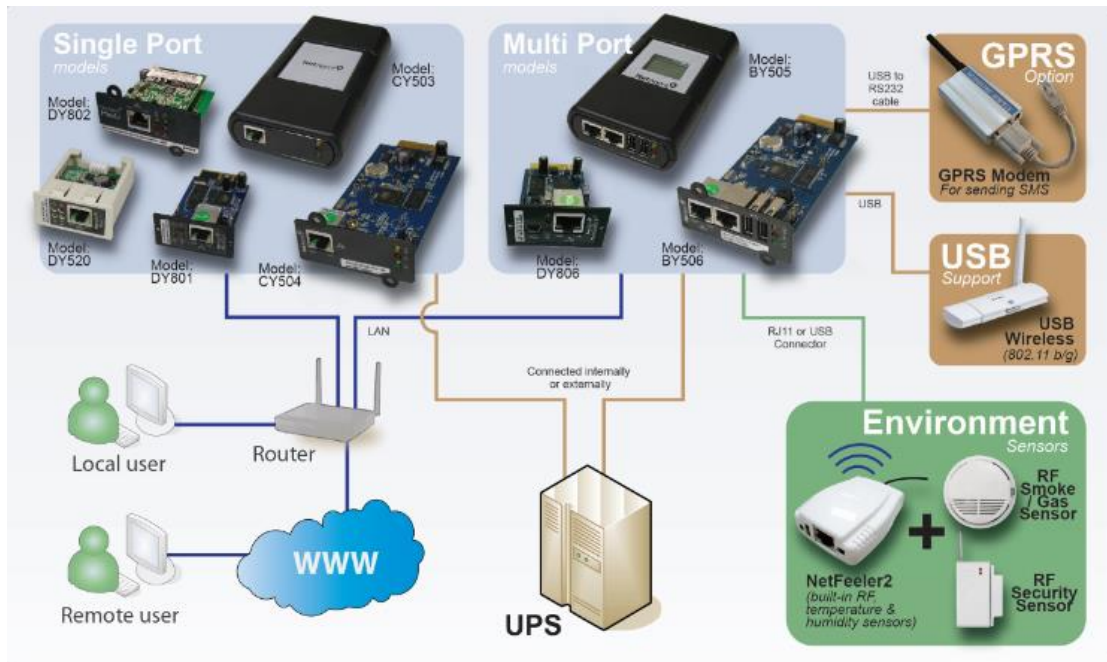


Fig.2 NetAgent 9 connection diagram with NetFeeler








## Chapter 2. NetAgent Series

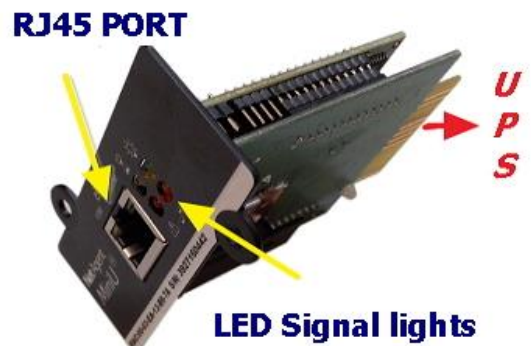
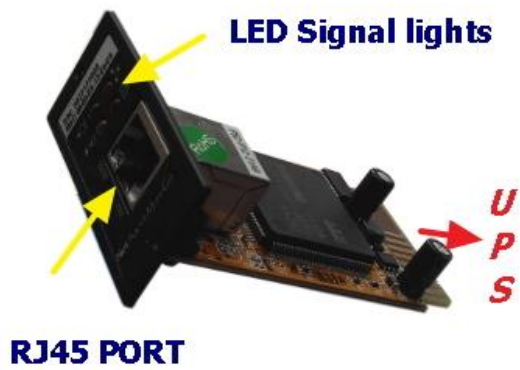
### 2.1 NetAgent Mini

NetAgent Mini Model									
Model Name	Package Contents	Internal	External	RJ45 Port	RS232 Port	ENV Port	USB Port	Single Phase	Three Phase
<b>DP520</b> <b>DT520</b>	1. NetAgent Mini SNMP Card 2. NetAgent Utility CD 3. Quick Installation Guide (Optional)	V		V				V	V
<b>DP801</b> <b>DT801</b>	1. NetAgent Mini SNMP Card 2. NetAgent Utility CD 3. Quick Installation Guide (Optional)	V		V				V	V
<b>DP802</b> <b>DT802</b>	1. NetAgent Mini SNMP Card 2. NetAgent Utility CD 3. Quick Installation Guide (Optional)	V		V				V	V
<b>DP522</b> <b>DT522</b>	1. NetAgent Mini SNMP Card 2. NetAgent Utility CD 3. Quick Installation Guide (Optional) 4. Adaptor		V	V				V	V
<b>DP523</b> <b>DT523</b> (Dry Contact Only)	1. NetAgent Mini SNMP Card 2. NetAgent Utility CD 3. Quick Installation Guide (Optional) 4. Adaptor		V	V				V	V
<b>DP532</b> <b>DT532</b>	1. NetAgent Mini SNMP Card 2. NetAgent Utility CD 3. Quick Installation Guide (Optional) 4. Adaptor		V	V				V	V
<b>DP630</b>	1. USB NetAgent Mini SNMP Card 2. NetAgent Utility CD 3. Quick Installation Guide (Optional) 4. Adaptor		V	V				V	V

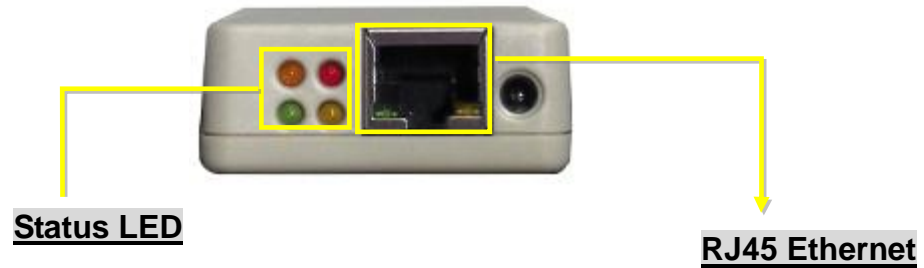






## 2.1.1 NetAgent Mini Outlook

DP/DT520	DP/DT522	DP/DT523	DP/DT532
			
DP/DT801	DP/DT802	DP630	
			



## 2.1.2 NetAgent Mini LED Indication



<b>Amber</b>  <b>Communication</b> <b>Flashing</b> Transferring data with UPS		<b>Red</b>  <b>Connection Status with UPS</b> <table border="1"> <tr> <td><b>Flashing</b></td> <td><b>Off</b></td> </tr> <tr> <td>Lost connection</td> <td>Connecting with UPS</td> </tr> </table>		<b>Flashing</b>	<b>Off</b>	Lost connection	Connecting with UPS				
<b>Flashing</b>	<b>Off</b>										
Lost connection	Connecting with UPS										
<b>Green</b>  <b>Power Status</b> <table border="1"> <tr> <td><b>On</b></td> <td><b>Off</b></td> </tr> <tr> <td>Normal</td> <td>No Power</td> </tr> </table>		<b>On</b>	<b>Off</b>	Normal	No Power	<b>Yellow</b>  <b>NetAgent Mini Status</b> <table border="1"> <tr> <td><b>On</b></td> <td><b>Off</b></td> </tr> <tr> <td>Operating</td> <td>Stop working</td> </tr> </table>		<b>On</b>	<b>Off</b>	Operating	Stop working
<b>On</b>	<b>Off</b>										
Normal	No Power										
<b>On</b>	<b>Off</b>										
Operating	Stop working										

<b>Green</b> <table border="1"> <tr> <td><b>On</b></td> <td><b>Flashing</b></td> </tr> <tr> <td>100 Mbps</td> <td>Sending/Receiving Data</td> </tr> </table>		<b>On</b>	<b>Flashing</b>	100 Mbps	Sending/Receiving Data	<b>Yellow</b> <table border="1"> <tr> <td><b>On</b></td> <td><b>Flashing</b></td> </tr> <tr> <td>10 Mbps</td> <td>Sending/Receiving Data</td> </tr> </table>		<b>On</b>	<b>Flashing</b>	10 Mbps	Sending/Receiving Data
<b>On</b>	<b>Flashing</b>										
100 Mbps	Sending/Receiving Data										
<b>On</b>	<b>Flashing</b>										
10 Mbps	Sending/Receiving Data										





NOTE : When writing firmware, red and yellow led alternating flashing, DO NOT remove any power

## 2.2 NetAgent II Models

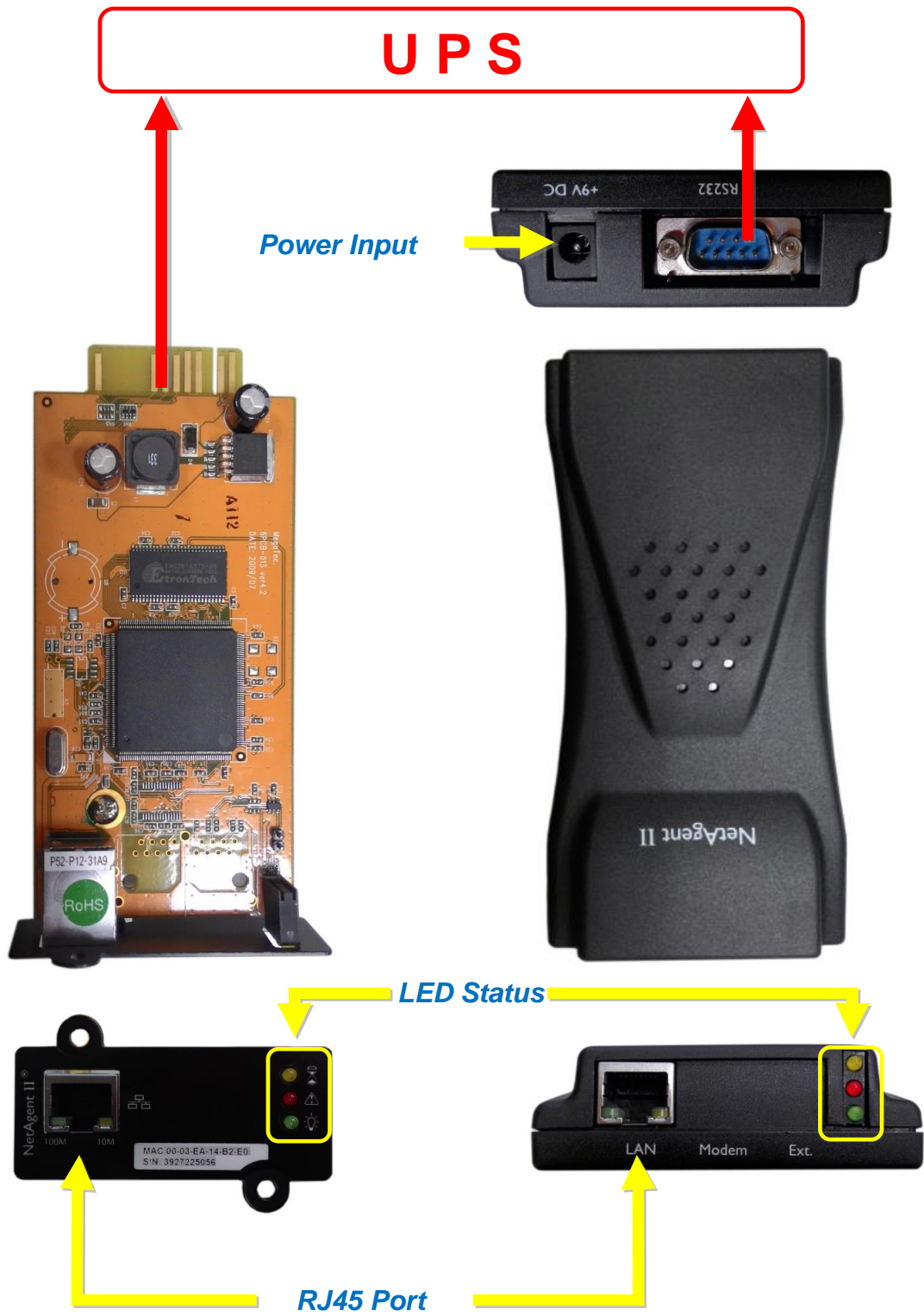
NetAgent II Model									
Model Name	Package Content	Internal	External	RJ45	RS232	ENV	USB	Single Phase	Three Phase
<b>CP503</b> <b>CT503</b>	1. NetAgent SNMP Card 2. NetAgent Utility CD 3. Quick Installation Guide (Optional) 4. M2501 Cable( For Dry Contact UPS) 5. M2502 or M2505 Cable(For RS232 UPS) 6. Adaptor		V	V				V	V
<b>CP504</b> <b>CT504</b>	1. NetAgent SNMP Card 2. NetAgent Utility CD 3. Quick Installation Guide (Optional)	V		V				V	V
<b>BT505</b>	1. NetAgent SNMP Card 2. NetAgent Utility CD 3. Quick Installation Guide (Optional) 4. M2501 Cable( For Dry Contact UPS) 5. M2502 or M2505 Cable(For RS232 UPS) 6. M2506 Cable (For Modem) 7. Adaptor		V	V	V	V		V	V
<b>BT506</b>	1. NetAgent SNMP Card 2. NetAgent utility CD 3. Quick Installation Guide (Optional) 4. M2506 Cable (For Modem) 5. Adaptor	V		V	V	V		V	V

**NOTE :** Model CP/CT are discontinued.

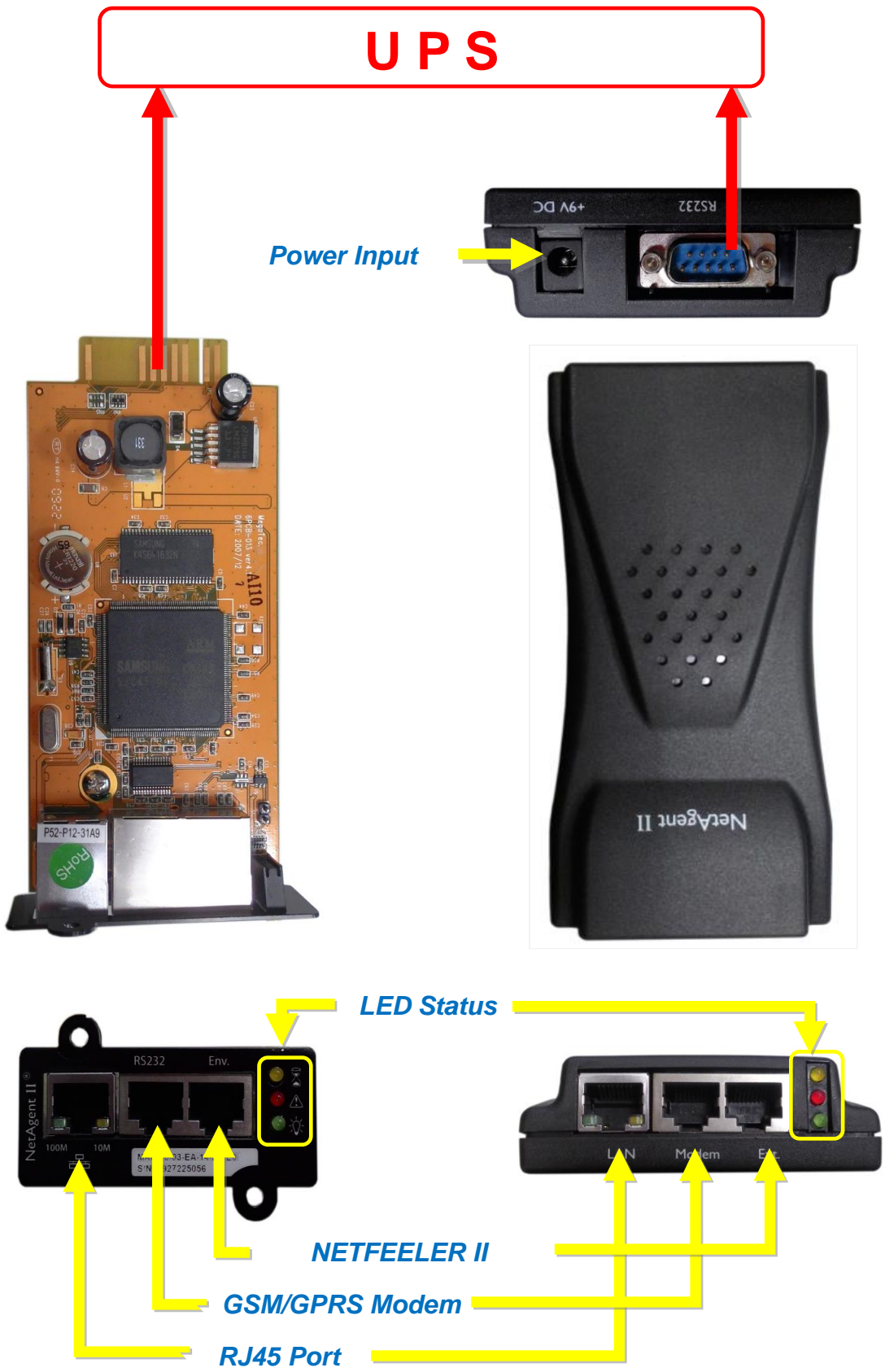
### 2.2.1 NetAgent II Outlook

CP/CT 503	CP/CT 504
	
BT505	BT506
	

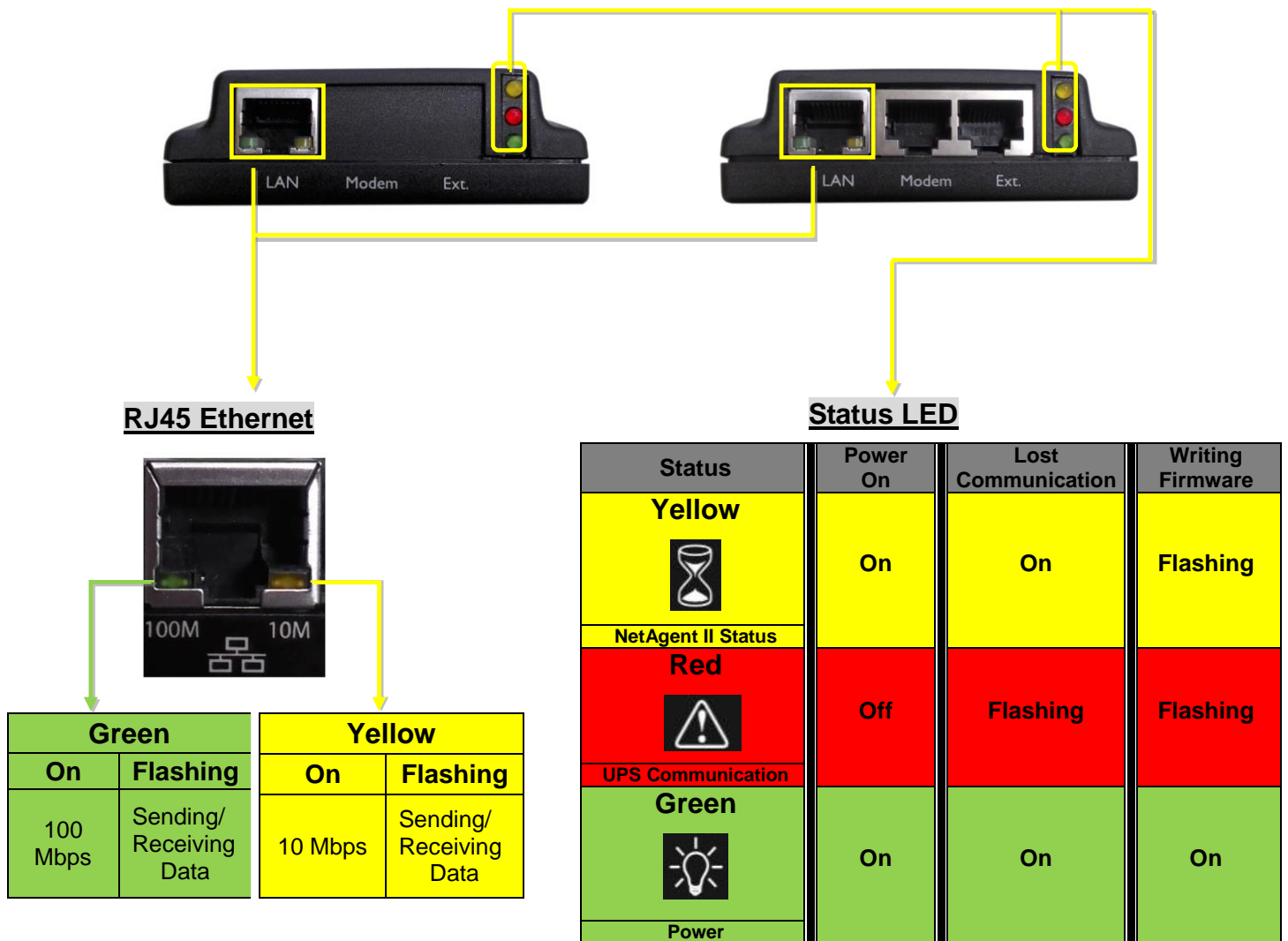
◆ One Port NetAgent II



◆ Three Ports NetAgent II



## 2.2.2 NetAgent II Led Indication



NOTE : When writing firmware, red and yellow led alternating flashing, DO NOT remove any power



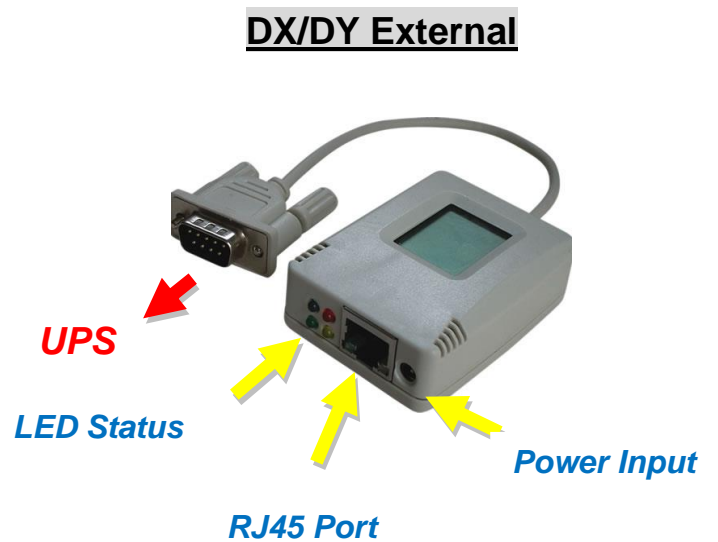
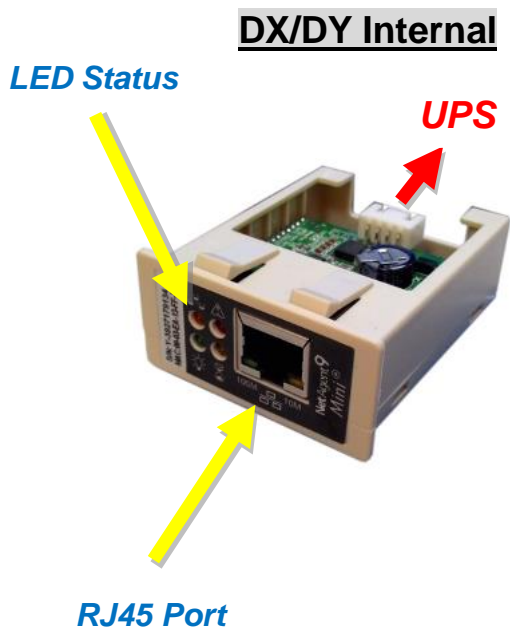
## 2.3 NetAgent Mini 9/ NetAgent 9

### NetAgent Mini 9 Models

NetAgent Mini 9 Model									
Model Name	Package Contents	Internal	External	RJ45	RS232	ENV	USB	Single Phase	Three Phase
<b>DX520</b> <b>DY520</b>	1. NetAgent Mini 9 SNMP Card 2. NetAgent Utility CD 3. Quick Installation Guide (Optional)	V		V				V	V
<b>DX801</b> <b>DY801</b>	1. NetAgent Mini 9 SNMP Card 2. NetAgent Utility CD 3. Quick Installation Guide (Optional)	V		V				V	V
<b>DX802</b> <b>DY802</b>	1. NetAgent Mini 9 SNMP Card 2. NetAgent Utility CD 3. Quick Installation Guide (Optional)	V		V				V	V
<b>DX806</b> <b>DY806</b>	1. NetAgent Mini 9 SNMP Card 2. NetAgent Utility CD 3. Quick Installation Guide (Optional) 4. M2509 Cable (USB)	V		V			V	V	V
<b>DY807</b>	1. NetAgent Mini 9 SNMP Card 2. NetAgent Utility CD 3. Quick Installation Guide (Optional)	V		V			V	V	V
<b>DX522</b> <b>DY522</b>	1. NetAgent Mini 9 SNMP Card 2. NetAgent Utility CD 3. Quick Installation Guide (Optional) 4. Adaptor		V	V				V	V
<b>DX523</b> <b>DY523</b> (Dry Contact Only)	1. NetAgent Mini 9 SNMP Card 2. NetAgent Utility CD 3. Quick Installation Guide (Optional) 4. Adaptor		V	V				V	V
<b>DX532</b> <b>DY532</b>	1. NetAgent Mini 9 SNMP Card 2. NetAgent Utility CD 3. Quick Installation Guide (Optional) 4. Adaptor		V	V				V	V
<b>DX630</b> <b>DY630</b>	1. USB NetAgent Mini 9 SNMP Card 2. NetAgent Utility CD 3. Quick Installation Guide (Optional) 4. Adaptor		V	V				V	V

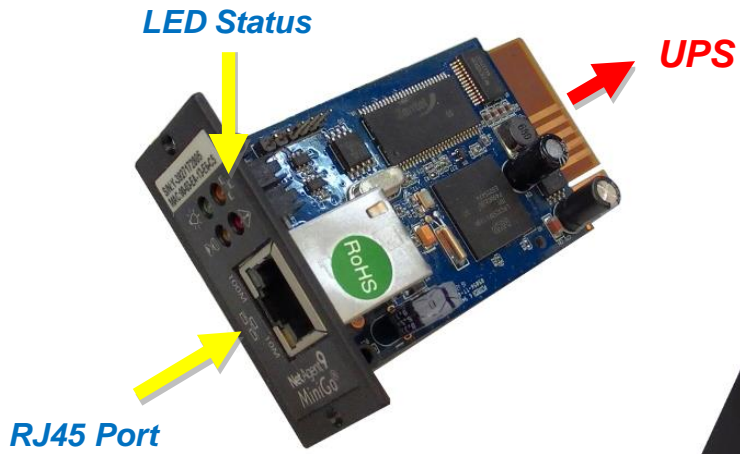
### 2.3.1 NetAgent Mini 9 Outlook

NetAgent Mini 9 Series			
DX/DY 520	DX/DY 522	DX/DY 523	DX/DY 532
			
DX/DY 801	DX/DY 802	DX/DY 806	DY 807
			
DX/DY 630			
			

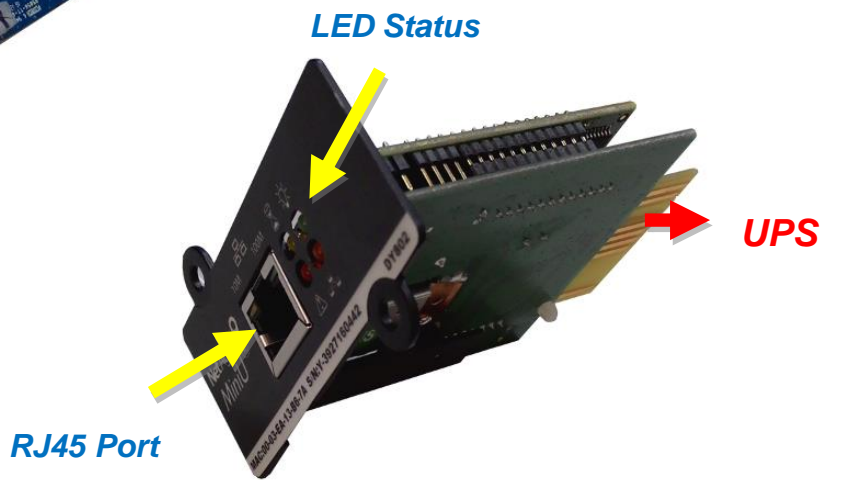




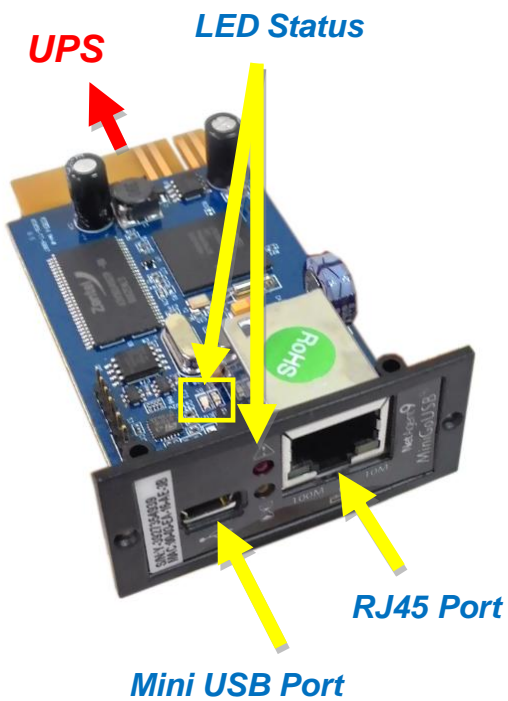
**DX/DY 801**



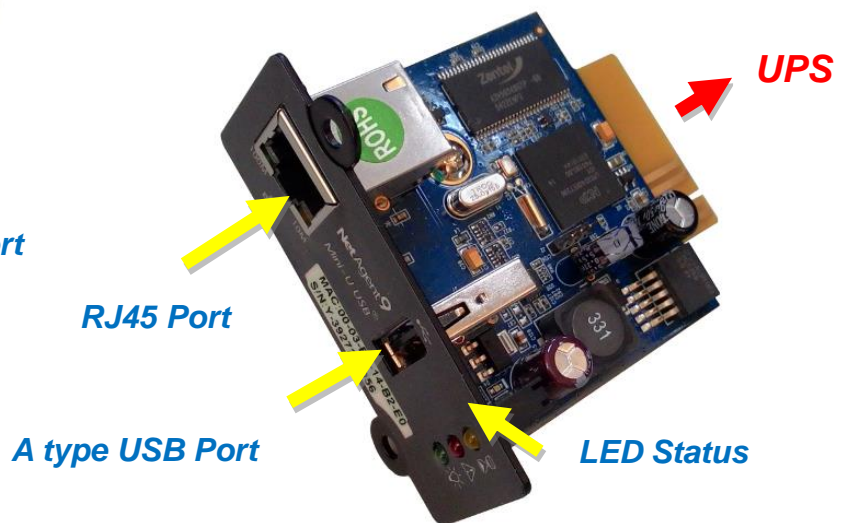
**DX/DY 802**



**DX/DY 806**







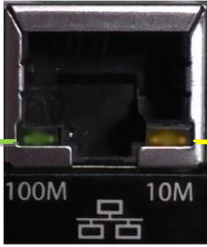
**DY 807**



## 2.3.2 NetAgent Mini 9 LED Indication



<b>Amber</b>  <b>Communication</b> <b>Flashing</b> Transferring data with UPS		<b>Red</b>  <b>Connection Status with UPS</b> <table border="1"> <tr> <th>Flashing</th> <th>Off</th> </tr> <tr> <td>Lost connection</td> <td>Connecting with UPS</td> </tr> </table>		Flashing	Off	Lost connection	Connecting with UPS				
Flashing	Off										
Lost connection	Connecting with UPS										
<b>Green</b>  <b>Power Status</b> <table border="1"> <tr> <th>On</th> <th>Off</th> </tr> <tr> <td>Normal</td> <td>No Power</td> </tr> </table>		On	Off	Normal	No Power	<b>Yellow</b>  <b>NetAgent Mini Status</b> <table border="1"> <tr> <th>On</th> <th>Off</th> </tr> <tr> <td>Operating</td> <td>Stop working</td> </tr> </table>		On	Off	Operating	Stop working
On	Off										
Normal	No Power										
On	Off										
Operating	Stop working										



<b>Green</b> <table border="1"> <tr> <th>On</th> <th>Flashing</th> </tr> <tr> <td>100 Mbps</td> <td>Sending/Receiving Data</td> </tr> </table>		On	Flashing	100 Mbps	Sending/Receiving Data	<b>Yellow</b> <table border="1"> <tr> <th>On</th> <th>Flashing</th> </tr> <tr> <td>10 Mbps</td> <td>Sending/Receiving Data</td> </tr> </table>		On	Flashing	10 Mbps	Sending/Receiving Data
On	Flashing										
100 Mbps	Sending/Receiving Data										
On	Flashing										
10 Mbps	Sending/Receiving Data										

NOTE : When writing firmware, red led alternating flashing, DO NOT remove any power





**DX/DY 520 Internal**



**DX/DY 801**






**DX/DY 802**

<b>D5</b>		<b>D4</b>	
<b>Green</b>		<b>Blue</b>	
			
<b>Power</b>		<b>Communication</b>	
<b>On</b>	<b>Off</b>	<b>Flashing</b>	
Normal	No Power	Sending/Receiving Data	

**DX/DY 806**






<b>Red</b>	
	
<b>UPS connection</b>	
<b>Flashing</b>	<b>Off</b>
Lost connection	Connecting with UPS
<b>Yellow</b>	
	
<b>NetAgent Mini 9 Status</b>	
<b>On</b>	<b>Off</b>
Operating	Stop Working

<b>D4</b>
<b>Blue</b>

<b>Communication Status</b>
<b>Flashing</b>
Sending/Receiving Data



**DY 807**

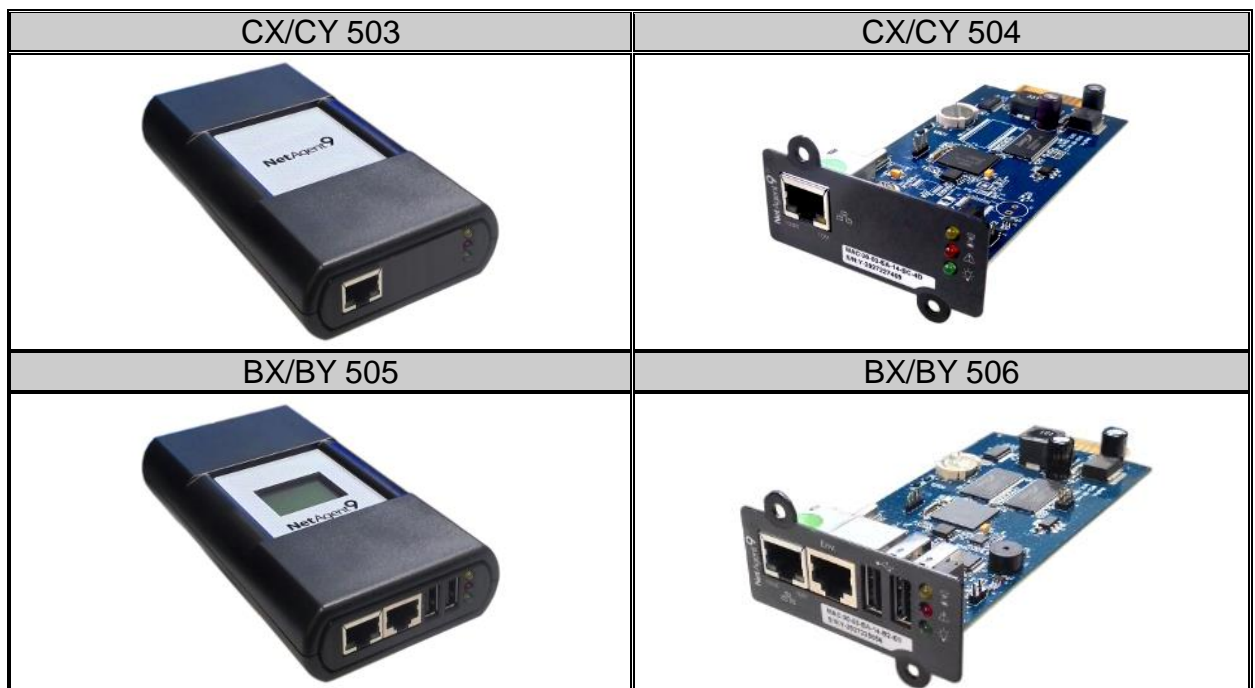
Status	Power On	Lost Communication	Writing Firmware
<b>Yellow</b> 	On	On	Off
<b>NetAgent Mini 9 Status</b>			
<b>Red</b> 	Off	Flashing	Flashing
<b>UPS Communication</b>			
<b>Green</b> 	On	On	On
<b>Power</b>			

## 2.4 NetAgent 9 Series

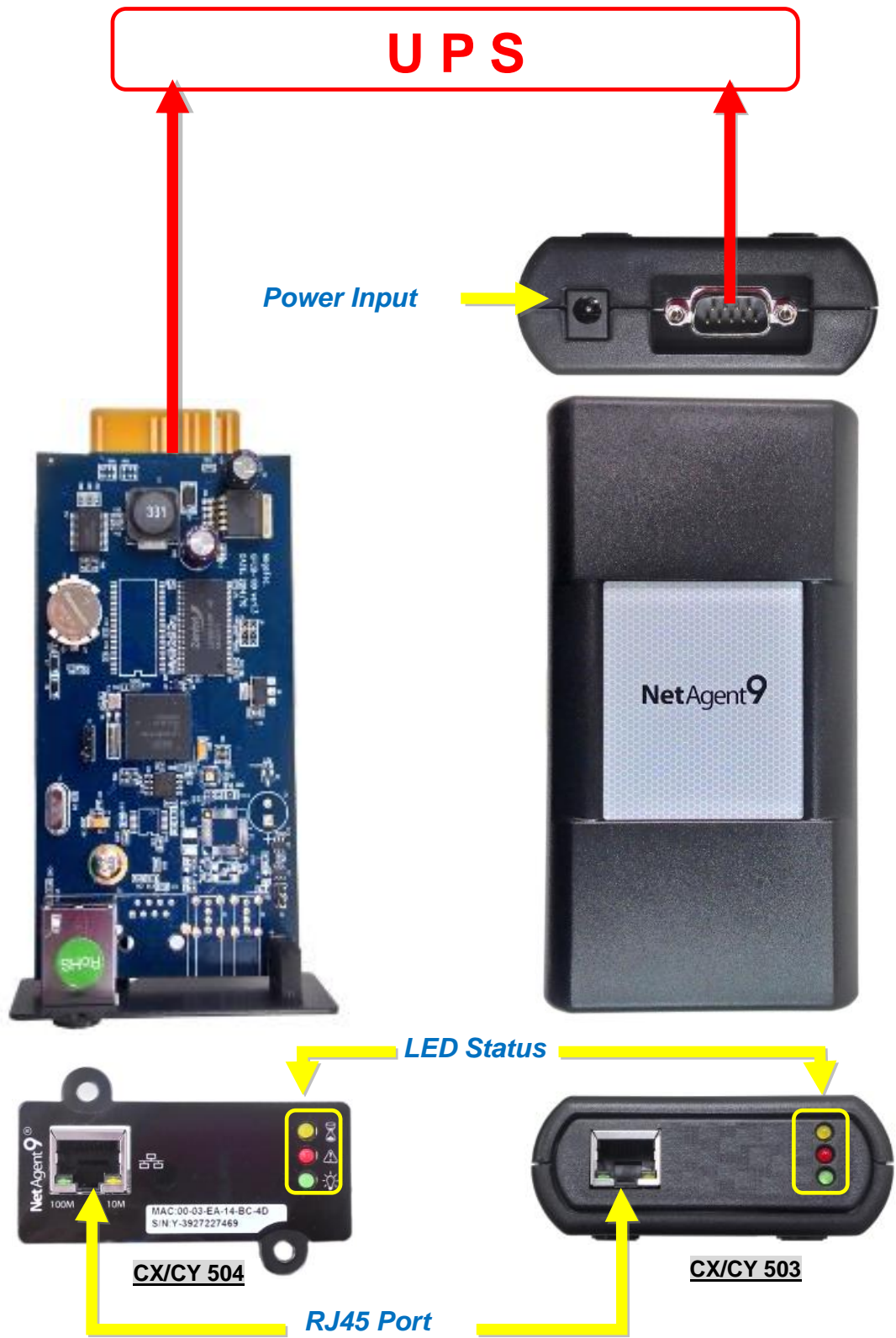
**NetAgent 9 Model**

Model Name	Package Contents	Internal	External	RJ45	RS232	ENV	USB	Single Phase	Three Phase
<b>CX/CY 503</b>	1. NetAgent 9 SNMP Card 2. NetAgent Utility CD 3. Quick Installation Guide (Optional) 4. M2501 Cable(For Dry Contact UPS) 5. M2502or M2505 Cable(For RS232 UPS) 6. Adaptor		V	V				V	V
<b>CX/CY 504</b>	1. NetAgent 9 SNMP Card 2. NetAgent Utility CD 3. Quick Installation Guide (Optional)	V		V				V	V
<b>BX/BY 505</b>	1. NetAgent 9 SNMP Card 2. NetAgent Utility CD 3. Quick Installation Guide (Optional) 4. M2501 Cable(For Dry Contact UPS) 5. M2502 or M2505 Cable(For RS232 UPS) 6. M2506 Cable ( For ModBus on RS485) 7. RS485 Converter board 8. Adaptor		V	V		V	V	V	V
<b>BX/BY 506</b>	1. NetAgent 9 SNMP Card 2. NetAgent Utility CD 3. Quick Installation Guide (Optional) 4. M2506 Cable ( For ModBus on RS485) 5. RS485 Converter board	V		V		V	V	V	V

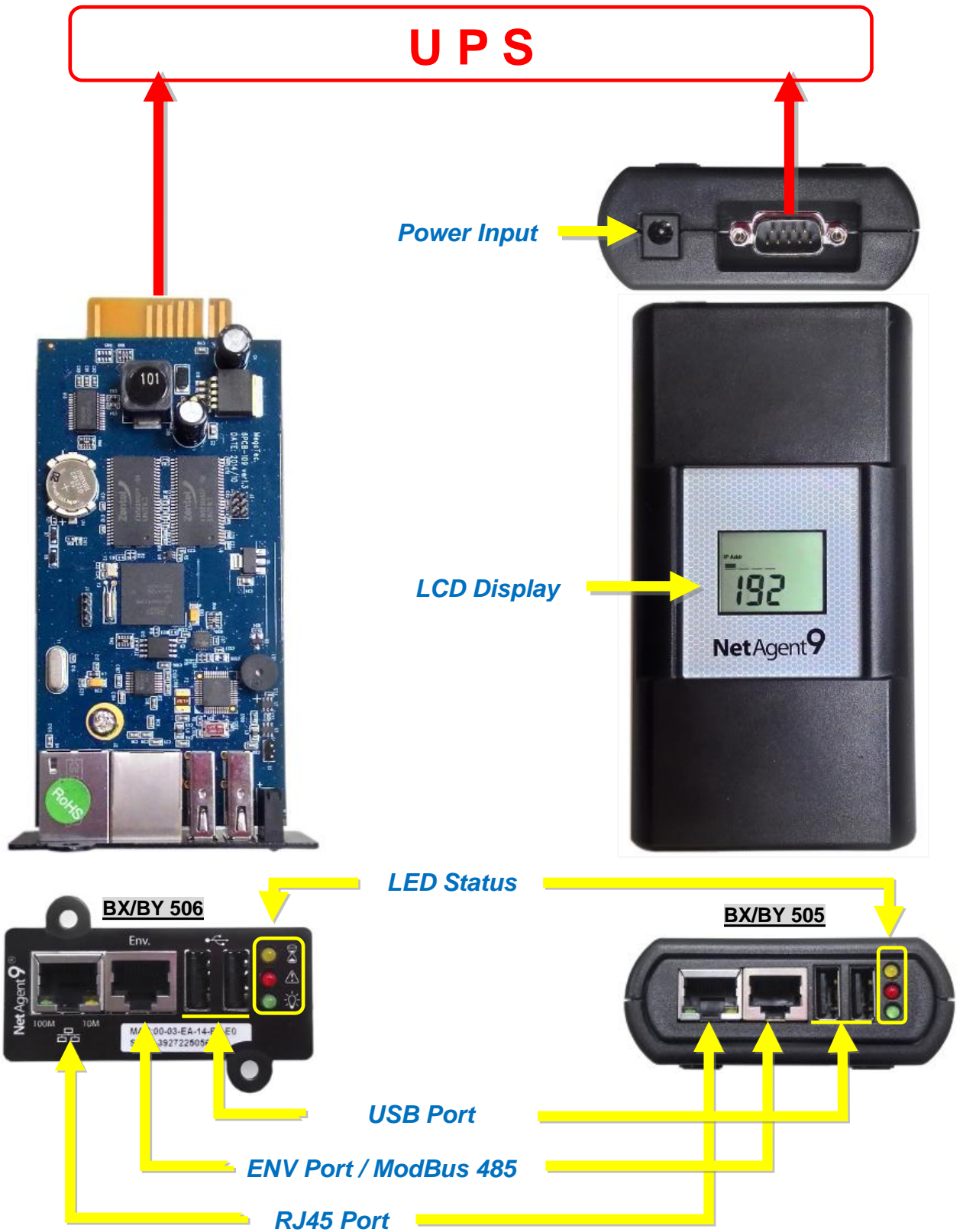
### 2.4.1 NetAgent 9 Outlook



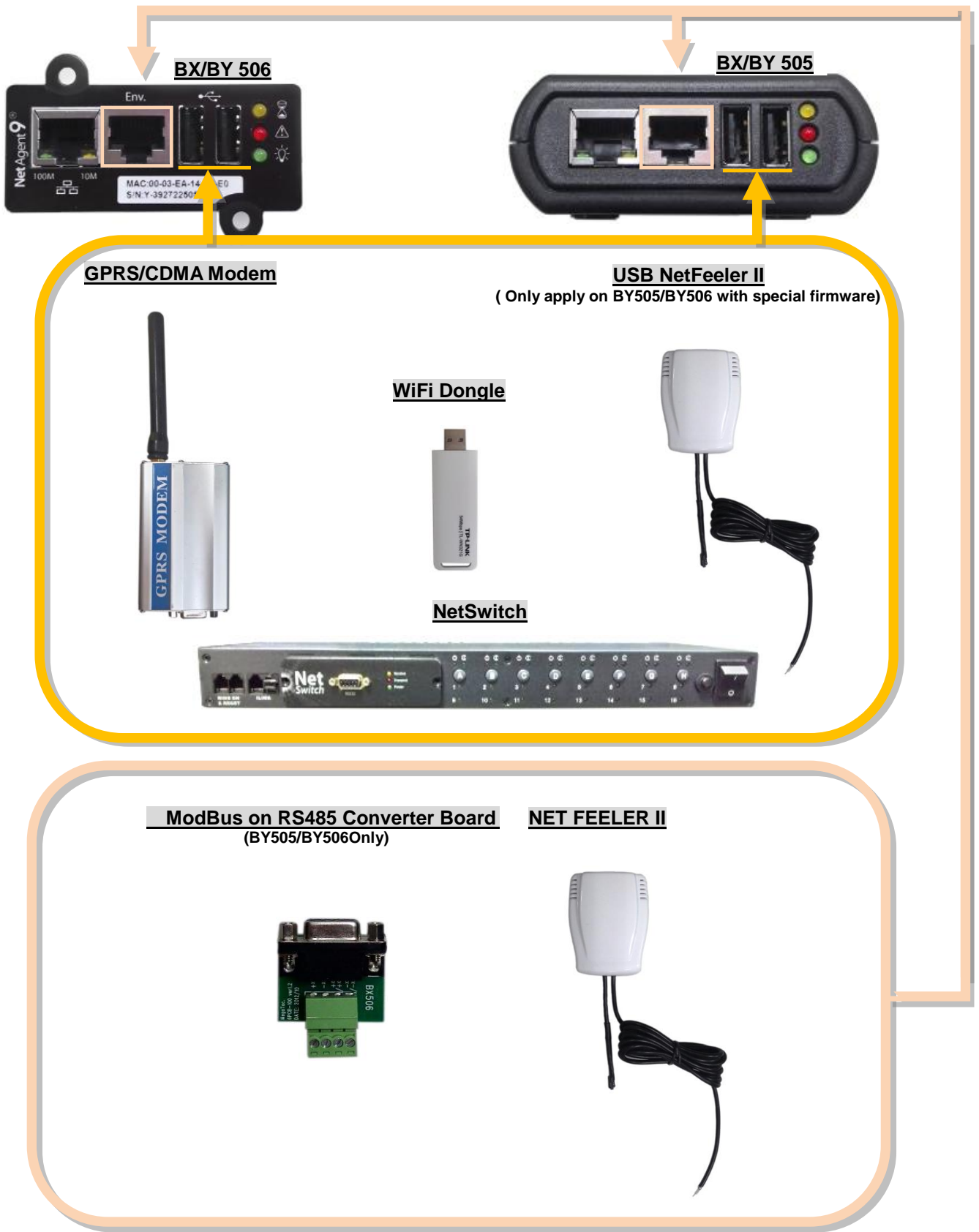
◆ One Port NetAgent 9



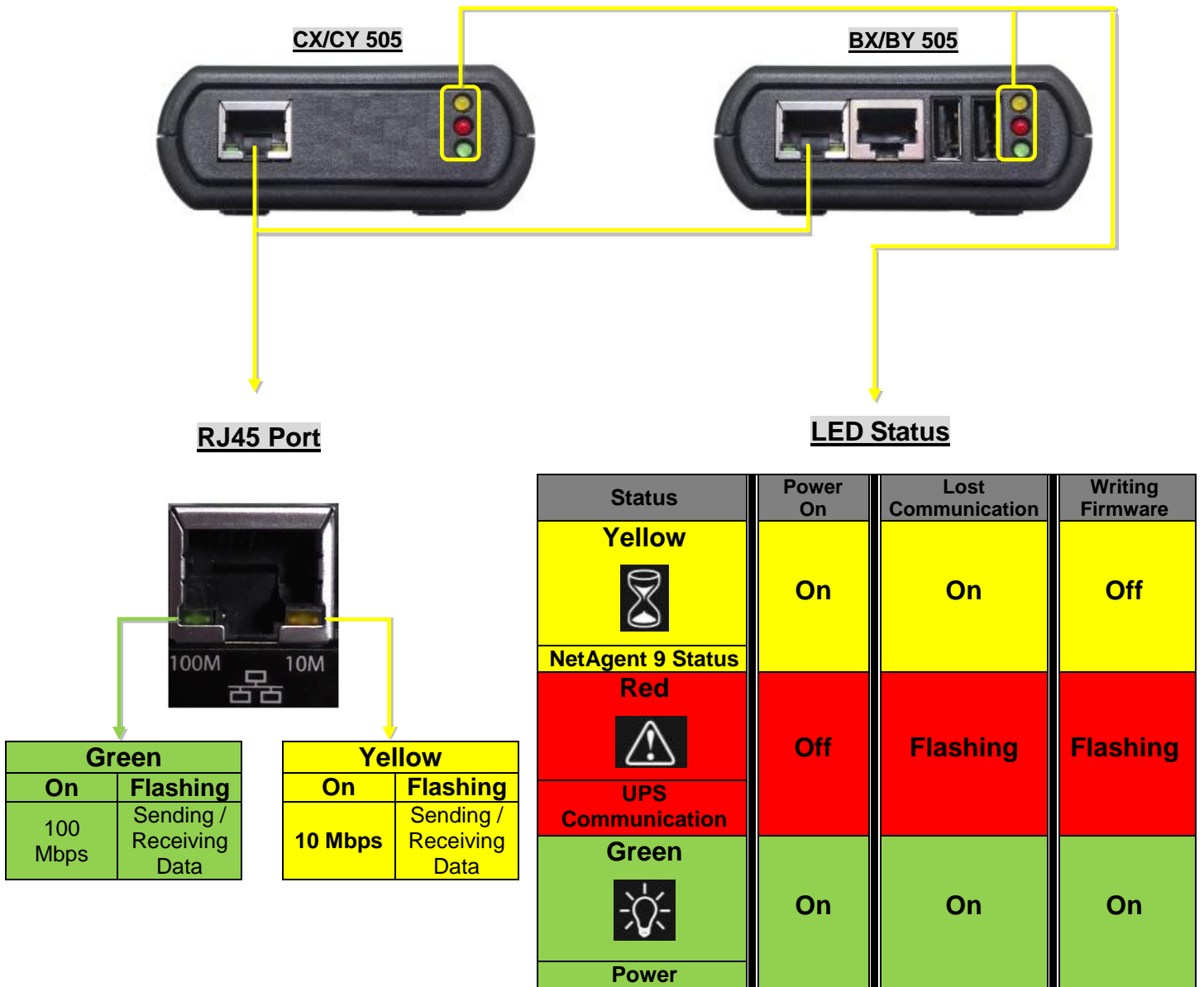
◆ NetAgent 9 W/USB Ports



◆ NetAgent 9 USB Port Add-On



## 2.4.2 NetAgent 9 LED Indication



NOTE : When writing firmware, red led alternating flashing, DO NOT remove any power





## 2.5 NetAgent Mini 9 / NetAgent 9 Package Accessories

### (1) Utility CD

CD Contents :



- **Netility** - NetAgent Software too – IP configuration / Firmware Upgrade
- **ClientMate** - Shutdown Software
- **SMS Server** - SMS Notification Software (with compatible Modem)
- **SNMPView** - NMS Software/ Multi Monitoring
- **Time Server** - Time Server Software
- **iMConfig** - Multi Configuration Software

### (2) Quick Installation Guide (Optional)



### (3) Adaptor



5.3V

For NetAgent Mini Series



9V

For NetAgent 9 Series

### (4) ModBus On RS485 Coverter Board



### (5) Cables

- **M2501** – For connection between NetAgent and dry contact UPS



- **M2502** – For connection between NetAgent and RS232 pin 6,7,9 UPS



- **M2505** – For connection between NetAgent and RS232 pin 2,3,5 UPS



- **M2506** – For connection between NetAgent and GPRS / CDMA modem

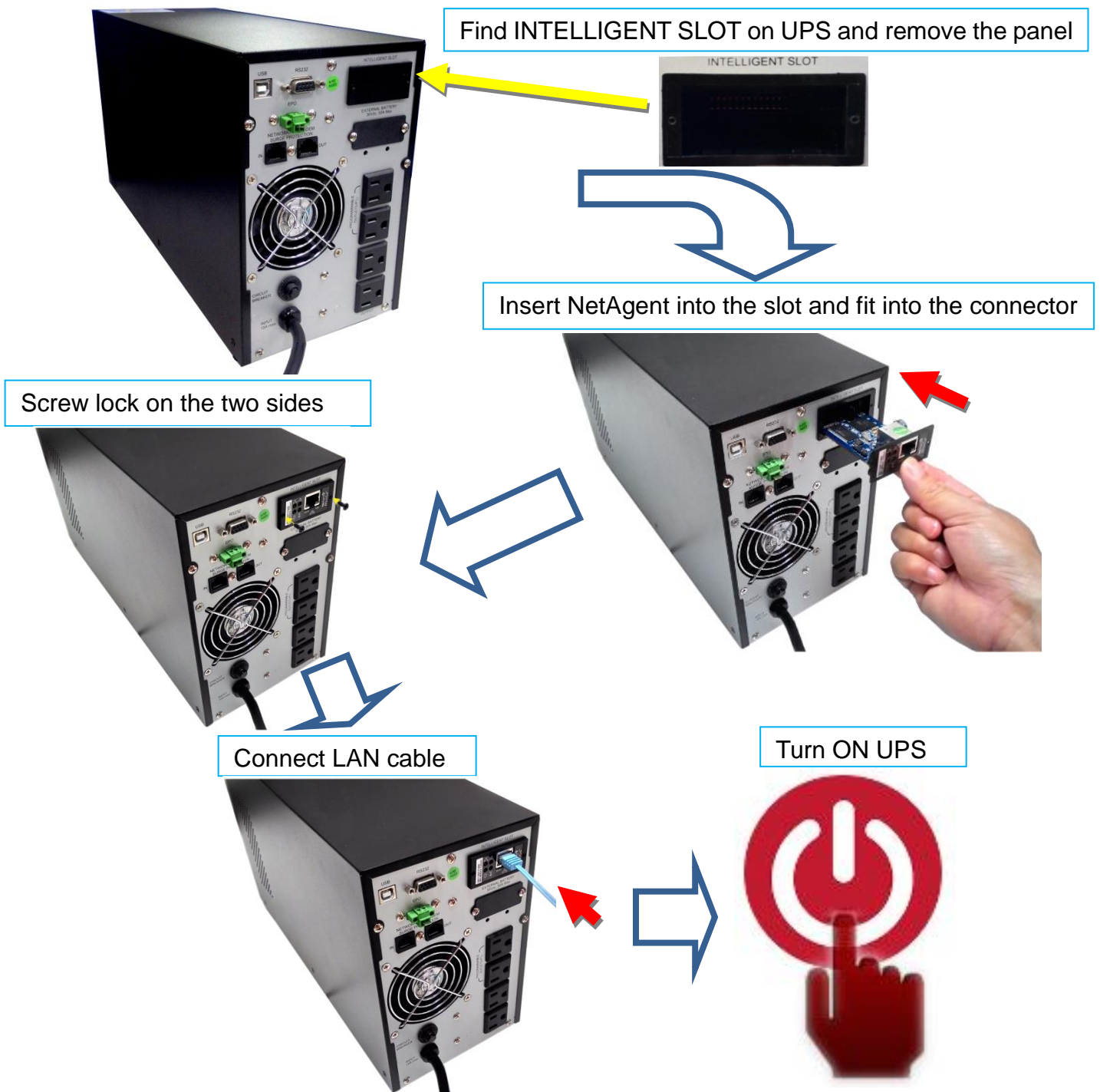


## Chapter 3. NetAgent Installation

### 3.1 Hardware Installation

#### ■ Internal NetAgent

☀ **NOTE : Turn Off UPS Power before installation**



■ External NetAgent Mini

☀ Turn Off UPS Power before installation



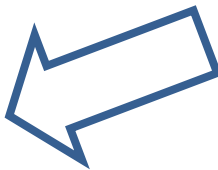
Find RS232 port on UPS



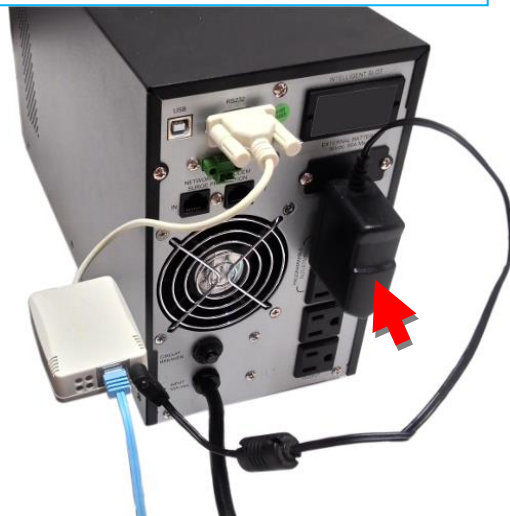
Attach and screw NetAgent's RS232 connector on it



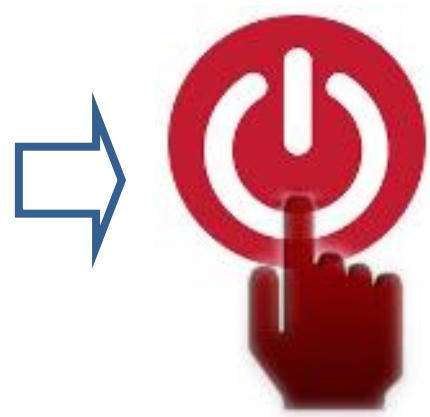
Connect LAN cable



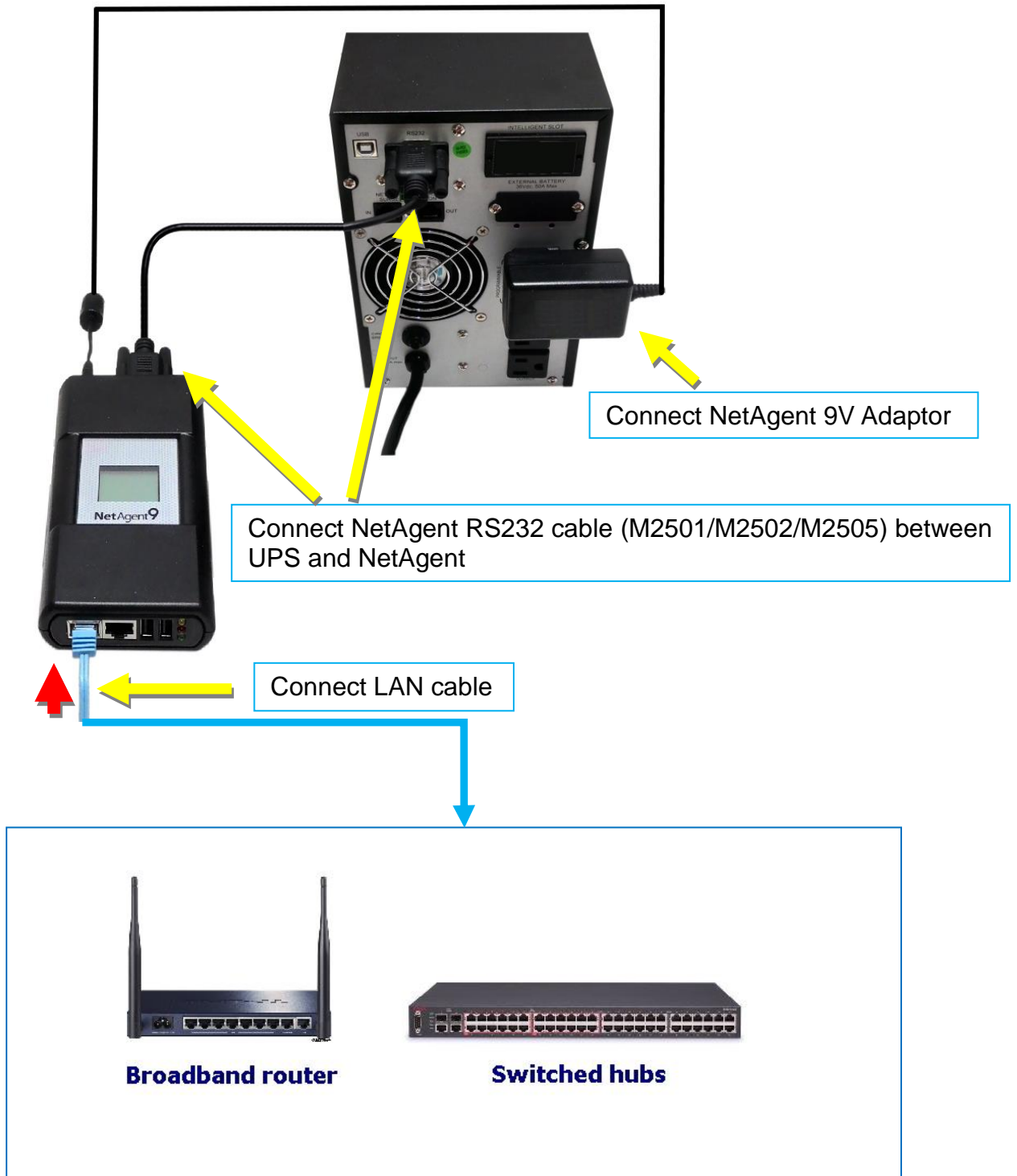
Connect NetAgent Mini 5.3V adaptor



Turn ON UPS



■ External NetAgent II / 9



### 3.2 Software Installation

NetAgent Utility CD offers several management and shutdown software. Insert CD into CD-ROM and software can be select under **【Program Installation】**

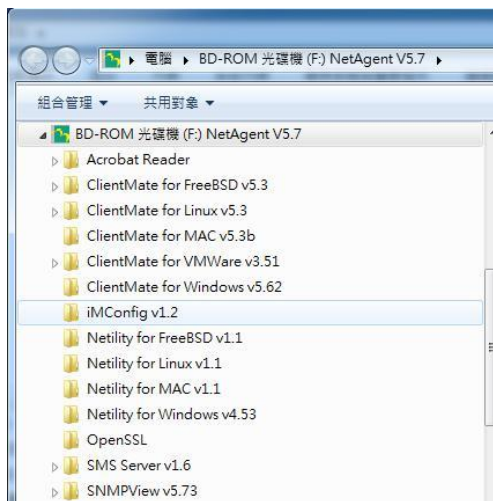
The screenshot shows the 'NetAgent Utility Installation Wizard' interface. On the left is a 'Main Menu' with options: Introduction, Operating System Supported, System Requirements, **Program Installation**, View Manuals, Contact Information, and Exit. The 'Program Installation' section is active, displaying a list of software options categorized by operating system:
 

- Netility**: Windows v4.53, Linux v1.1, MAC v1.1, FreeBSD v1.1
- ClientMate**: Windows v5.62, Linux v5.3, MAC v5.3b, FreeBSD v5.3, VMWare v3.51
- SNMPView v5.73**
- iMConfig v1.2**
- SMS Server v1.6**
- Time Server**

 Yellow arrows point from callout boxes to these specific software options. The callouts provide brief descriptions and references to chapters:
 

- Netility**: Configure and Search NetAgent. Refer to 4.3
- ClientMate**: Shutdown OS Software. Refer to Chapter 6
- SNMPView**: Multi monitoring Software. Refer to Chapter 7
- iMConfig**: Muti-configuration Software. Refer to Chapter 8
- Time Server**: Time server software
- SMS Server**: SMS notification Softwar. Refer to Chapter 9

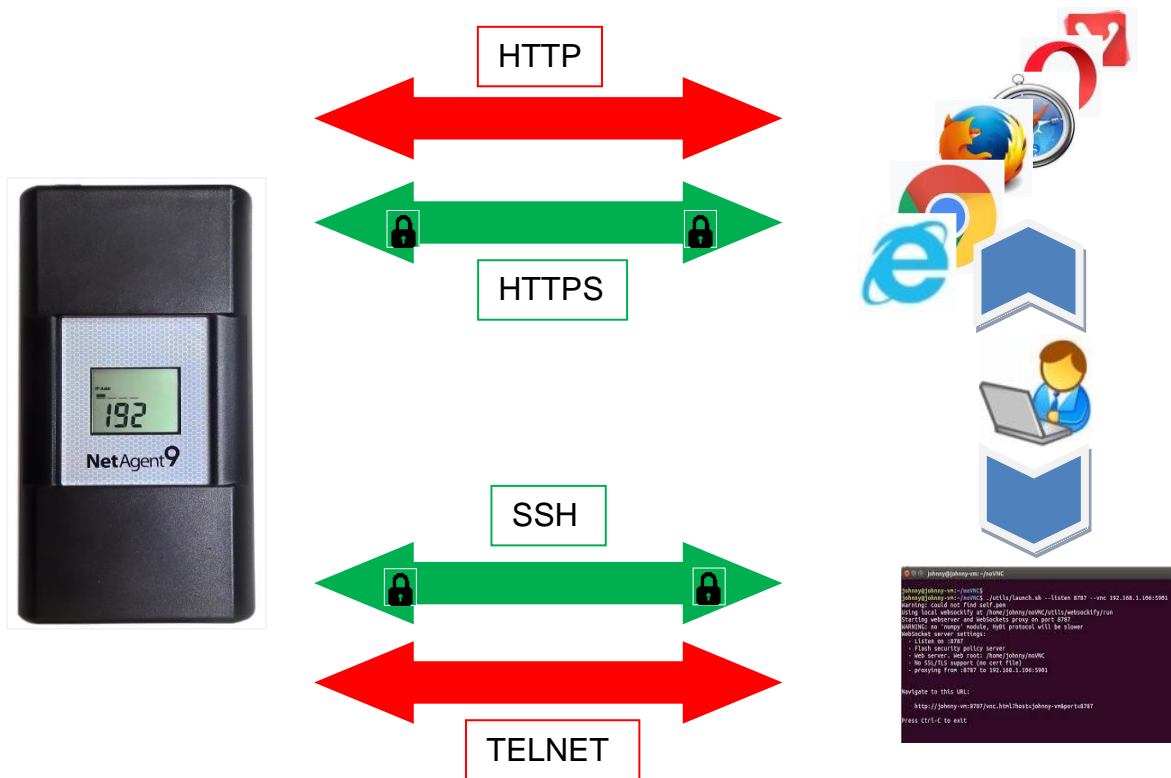
If the PC does not executes CD program automatically, please select from File Managment



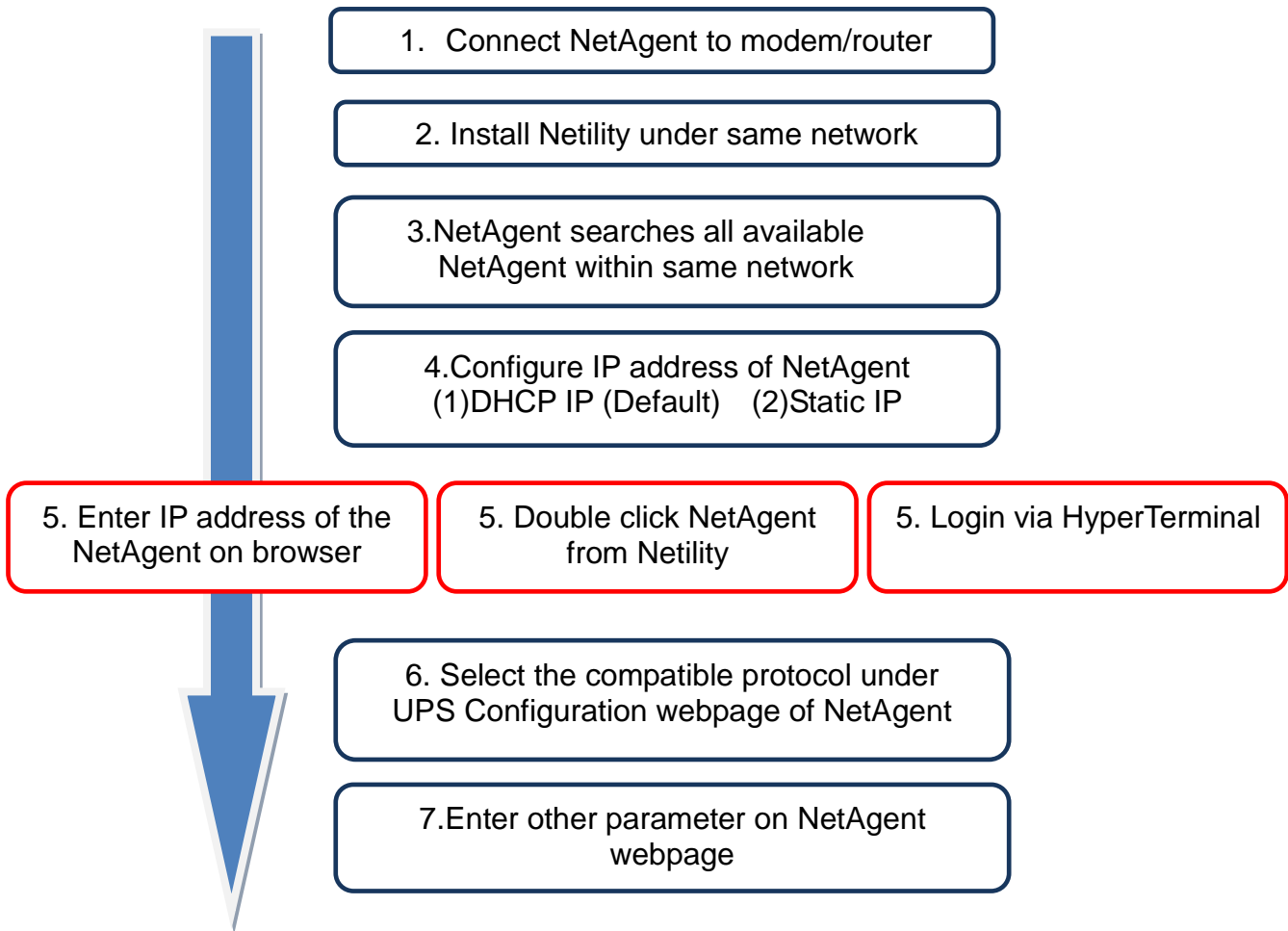
## Chapter 4. NetAgent Setting

### 4.1 Introduction

NetAgent can be login via web or HyperTerminal with protocol and encryption of HTTP/HTTPS/SSH/Telnet. Enter the IP address of NetAgent to configure and monitor the UPS status.



## 4.2 NetAgent Login Procedure



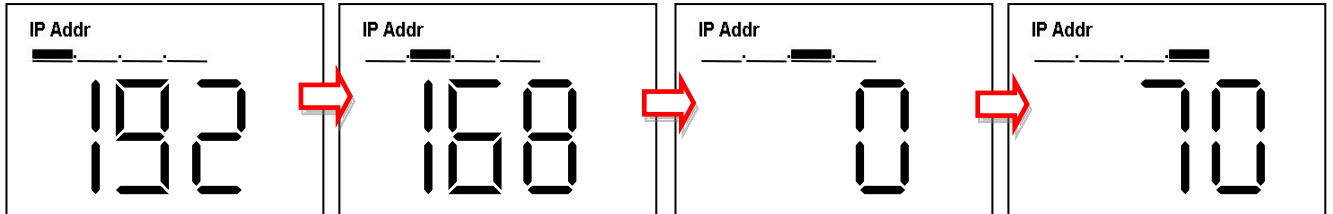
**NOTE 1 :** Each NetAgent has its unique serial number / MAC address and Password. This is available on the label of each unit. This helps to identify the card information on Netility



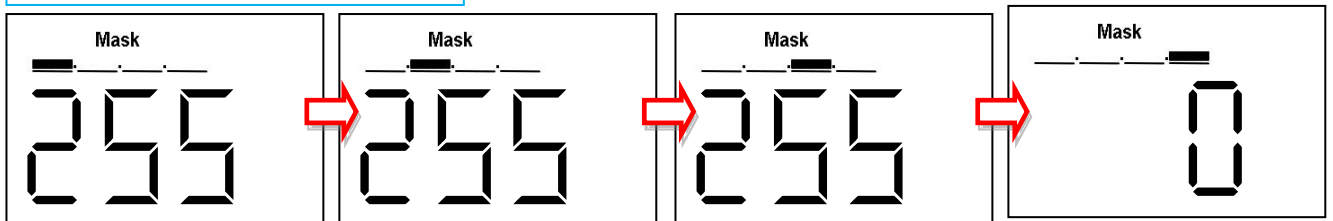
**NOTE 2 :** NetAgent with LCD display may obtain the IP info from it.

Example of LCD display format as below

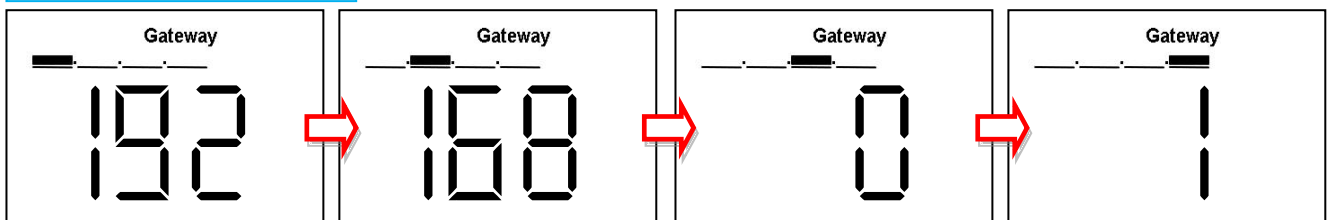
IP address 192.168.0.70



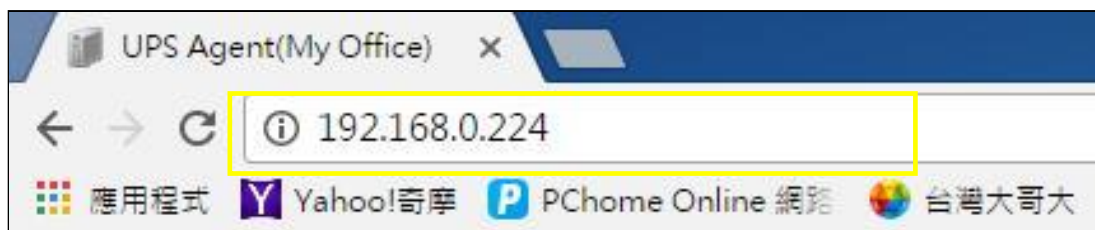
Subnet Mask: 255.255.255.0



Gateway:192.168.0.1



When NetAgent IP is known, enter such IP address on the browser to login. If non-LCD NetAgent model, install Netility software to find and configure its IP address.





## 4.3 Netility Installation and Setting

### ■ Netility Installation

Netility is tool software that helps the user to search all the available NetAgent within network as well as to configure IP address and firmware upgrade. Mount the NetAgent Utility CD on CD-ROM and click on Program Installation>Netility>Windows v4.53



Netility installation directory



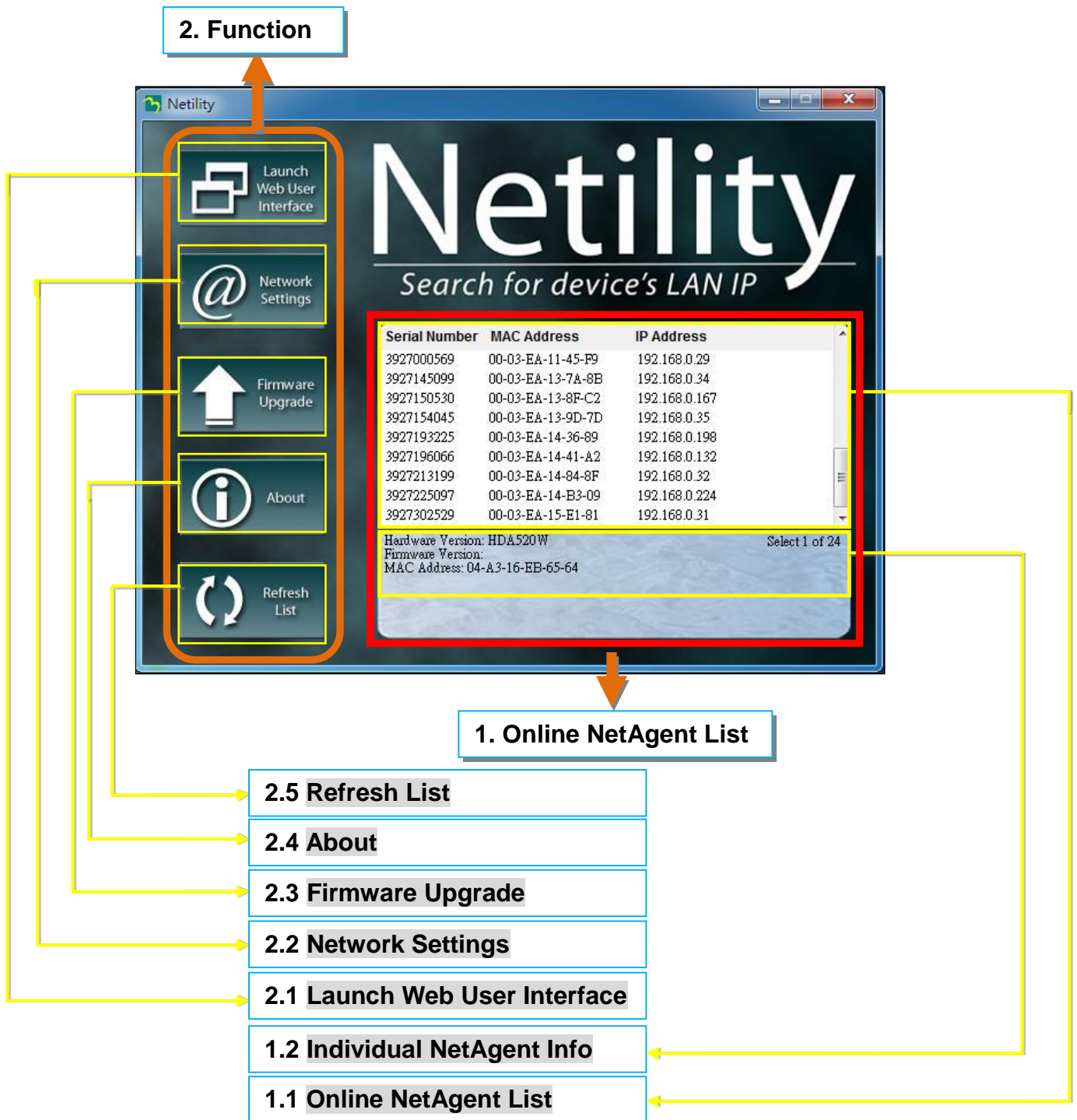
Netility Software

Under All Programs/ Megatec File Directory

■ **Netility Operation and Setting**

Netility main pages divided into 2 sections:

- 1. Online NetAgent List
- 2. Function Selection



## 1.1 Online NetAgent List

When open up Netility , it automatically searches all the available online NetAgent within the network with its serial number, IP address, MAC address. Double click on the specific NetAgent with valid IP address, it will direct to the NetAgent's webpage. (List refreshes automatically every 2 minutes)

The image displays two screenshots of the Netility software interface, illustrating the process of selecting a device from a list.

**Top Screenshot:** The Netility window shows a list of devices. The IP address 192.168.0.224 is highlighted in red. A blue arrow points from this row to the bottom screenshot.

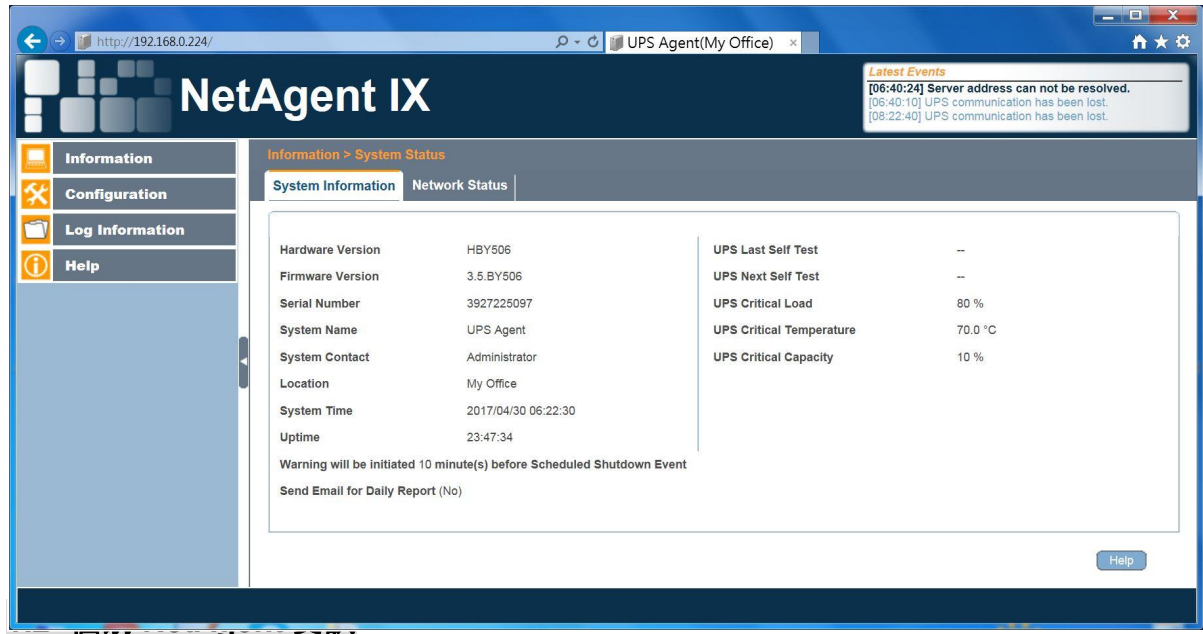
Serial Number	MAC Address	IP Address
3927000569	00-03-EA-11-45-F9	192.168.0.29
3927145099	00-03-EA-13-7A-8B	192.168.0.34
3927150530	00-03-EA-13-8F-C2	192.168.0.167
3927154045	00-03-EA-13-9D-7D	192.168.0.35
3927193225	00-03-EA-14-36-89	192.168.0.198
3927196066	00-03-EA-14-41-A2	192.168.0.132
3927213199	00-03-EA-14-84-8F	192.168.0.32
3927225097	00-03-EA-14-B3-09	192.168.0.224
3927302529	00-03-EA-15-E1-81	192.168.0.31

Hardware Version: HDA520W  
Select 1 of 24

**Bottom Screenshot:** The Netility window shows the same list of devices. The IP address 192.168.0.224 is highlighted in blue. A yellow arrow points to this row, and a callout box says "Double click to login to the webpage".

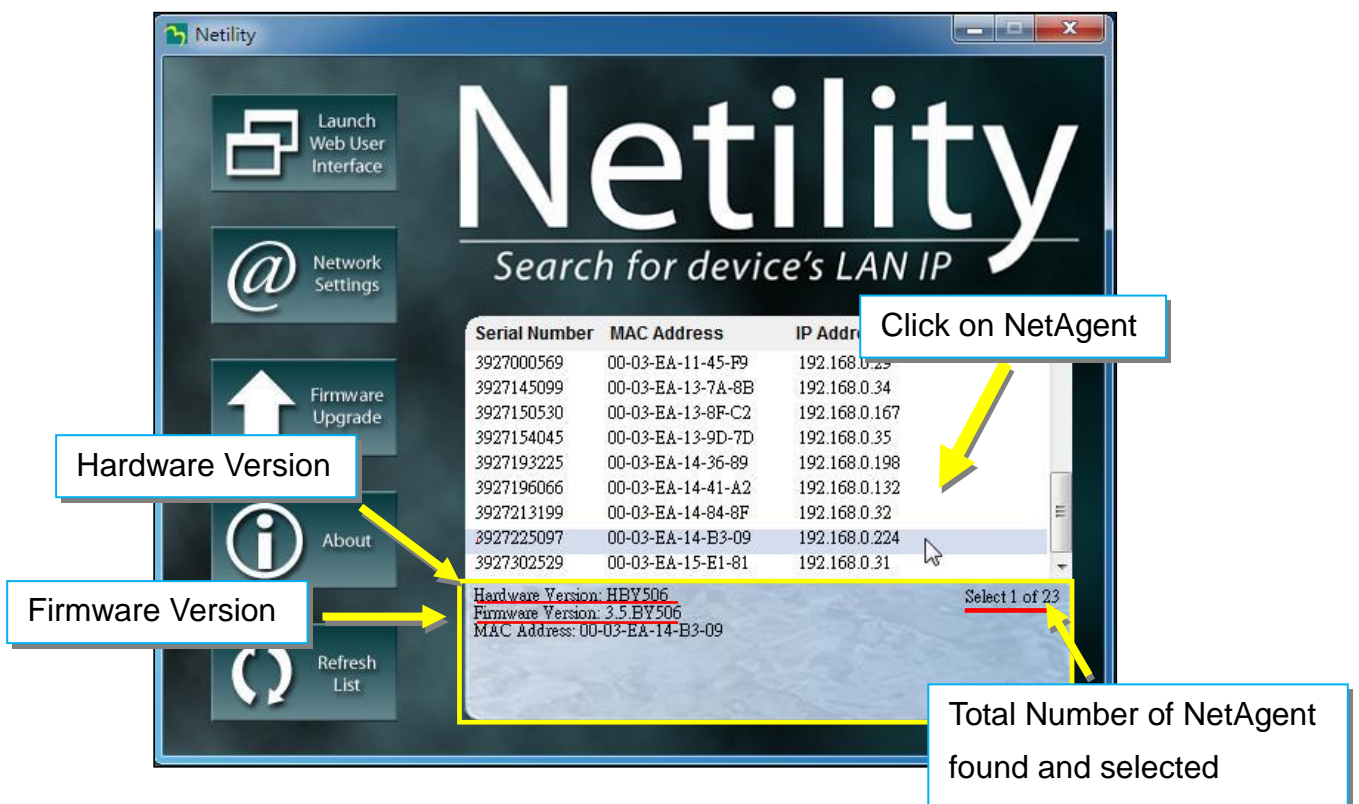
Serial Number	MAC Address	IP Address
3927000569	00-03-EA-11-45-F9	192.168.0.29
3927145099	00-03-EA-13-7A-8B	192.168.0.34
3927150530	00-03-EA-13-8F-C2	192.168.0.167
3927154045	00-03-EA-13-9D-7D	192.168.0.35
3927193225	00-03-EA-14-36-89	192.168.0.198
3927196066	00-03-EA-14-41-A2	192.168.0.132
3927213199	00-03-EA-14-84-8F	192.168.0.32
3927225097	00-03-EA-14-B3-09	192.168.0.224
3927302529	00-03-EA-15-E1-81	192.168.0.31

Hardware Version: HBY506  
Firmware Version: 3.5.BY506  
MAC Address: 00-03-EA-14-B3-09  
Select 1 of 23



## 1.2 Individual NetAgent Info

Click on specific NetAgent, the bottom column shows its hardware, firmware version and MAC address. It also shows the total NetAgent number that found by Netility and selected



## 2.1 Launch Web User Interface

Select specific NetAgent from the list and click on Launch Web User Interface to login to the NetAgent's webpage

2. Click on Launch Web User Interface

1. Click on NetAgent

Serial Number	MAC Address	IP Address
3927000569	00-03-EA-11-45-F9	192.168.0.29
3927145099	00-03-EA-13-7A-8B	192.168.0.34
3927150530	00-03-EA-13-8F-C2	192.168.0.167
3927154045	00-03-EA-13-9D-7D	192.168.0.35
3927193225	00-03-EA-14-36-89	192.168.0.198
3927196066	00-03-EA-14-41-A2	192.168.0.132
3927213199	00-03-EA-14-84-8F	192.168.0.32
3927225097	00-03-EA-14-B3-09	192.168.0.224
3927302529	00-03-EA-15-E1-81	192.168.0.31

Hardware Version: HBY506  
Firmware Version: 3.5.BY506  
MAC Address: 00-03-EA-14-B3-09

Select 1 of 23



Login to the webpage of such NetAgent

# NetAgent IX

Information > System Status

System Information	Network Status
Hardware Version	HBY506
Firmware Version	3.5.BY506
Serial Number	3927225097
System Name	UPS Agent
System Contact	Administrator
Location	My Office
System Time	2017/04/30 07:08:10
Uptime	1 day(s) 00:33:15
Warning will be initiated 10 minute(s) before Scheduled Shutdown Event	
Send Email for Daily Report (No)	
UPS Last Self Test	--
UPS Next Self Test	--
UPS Critical Load	80 %
UPS Critical Temperature	70.0 °C
UPS Critical Capacity	10 %

Help

## 2.2 Network Settings

- When connecting the NetAgent for the first time, ensure IP address and other network setting are correctly entered in order to login to the NetAgent's webpage via browser or HyperTerminal
- When select to obtain IP address by DHCP or BOOTP, IP address and other network parameter will be assign by the network
- NetAgent offers 4 network protocols - HTTP / HTTPS / TELNET / SSH for management with security consideration. If any change on port number, the it require to enter the full IP address with port number in order to login  
For example : HTTP port number change to 81  
The full address to be enter on browser should be "http://X.X.X.X:81"  
(X.X.X.X is the IP address of the NetAgent)  
For Example : Telnet port number change to 24  
The full address to be enter on HyperTerminal should be "http://X.X.X.X 24" (X.X.X.X is the IP address of the NetAgent)
- When password of the NetAgent is enabled, it is necessary to enter the correct password before making any configuration change and firmware upgrade

The image shows a screenshot of the Netility web interface with several callouts and annotations. The main interface has a sidebar with buttons for 'Launch Web User Interface', 'Network Settings', 'Firmware Upgrade', and 'About'. A table of device information is displayed, and a 'Configure' dialog box is open for IP address configuration.

1. Click on specific NetAgent

2. Click on Network Settings

Serial Number	MAC Address	IP Address
3926444847	00-03-EA-08-CB-2F	192.168.1.107
3927177694	00-03-EA-13-F9-DE	192.168.1.105
3927225097	00-03-EA-14-B3-09	169.254.70.73

Select to assign IP by DHCP

Columns requires to be entered for Static IP address

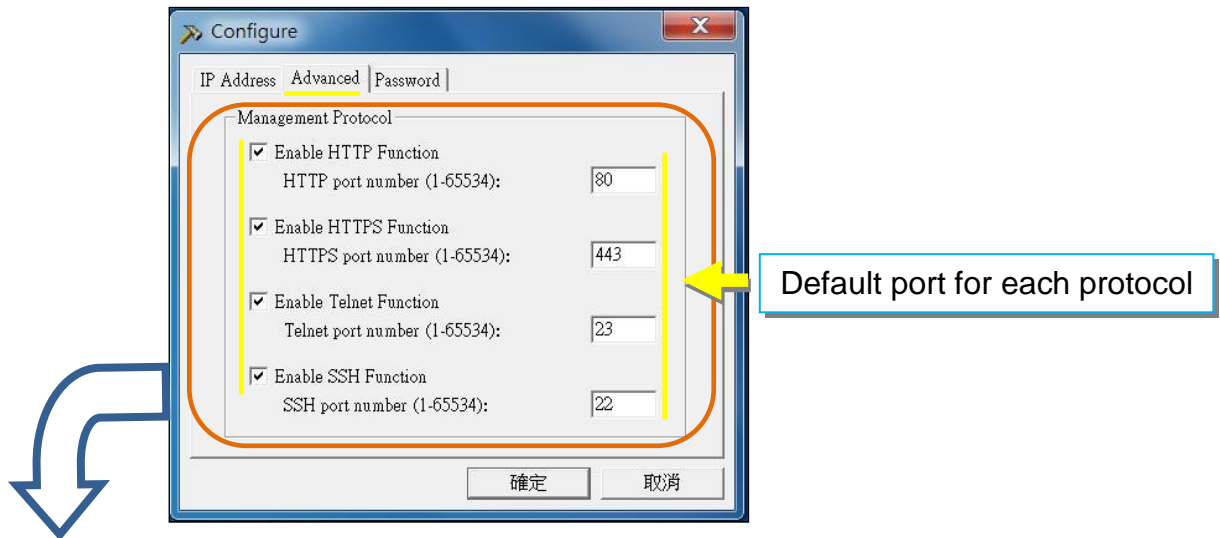
Configure dialog box (IP Address tab):

- Obtain IP address by DHCP
- Obtain IP address by BOOTP
- Use following Static IP address

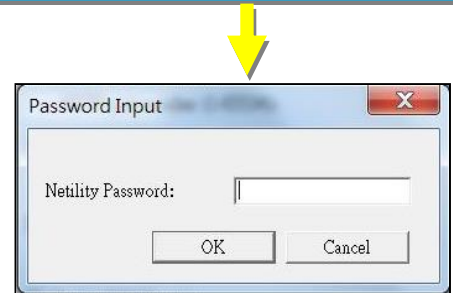
Static IP Address fields:

- IP Address: 192 . 168 . 1 . 110
- Subnet Mask: 255 . 255 . 255 . 0
- Gateway: 192 . 168 . 1 . 1

Buttons: 確定 (OK), 取消 (Cancel)



Once password is enabled and configured, it is required to enter the correct password when change any setting or firmware upgrade



## 2.3 Firmware Upgrade

- This is to upgrade or re-load the firmware to the NetAgent unit. Firmware version is available on the official website. Ensure to check the NetAgent model, hardware version for the correct firmware version (.bin)
- Ways to select NetAgent for firmware upgrading
  - (1) Click on specific NetAgent from the Netility list
  - (2) Press and hold on CTRL key then select multi NetAgent unit from the list=>This is to upgrade multi units at once
  - (3) Click on the first NetAgent from the list, then press and hold on SHIFT key as well as click on the last unit of the NetAgent =>This is if all NetAgent from the list are same model

**⚠ WARING : Please makes sure the multi NetAgent selected are same model**

- If any failure during firmware upgrading, please upgrade again until it is successfully done
- While upgrading, red and yellow LED would alternating flashing, or red led flashing. DO NOT remove any power or cable to the NetAgent. Once firmware is successfully upgraded, NetAgent would reboot automatically.

**Upgrade Single NetAgent**

Serial Number	MAC Address	IP Address
3927000569	00-03-EA-11-45-F9	192.168.0.29
3927145099	00-03-EA-13-7A-8B	192.168.0.34
3927150530	00-03-EA-13-8F-C2	192.168.0.167
3927154045	00-03-EA-13-9D-7D	192.168.0.35
3927193225	00-03-EA-14-36-89	192.168.0.198
3927196066	00-03-EA-14-41-A2	192.168.0.132
3927213199	00-03-EA-14-84-8F	192.168.0.32
3927225097	00-03-EA-14-B3-09	192.168.1.110
3927302529	00-03-EA-15-E1-81	192.168.0.31

**Selection of Multi-NetAgent**

Serial Number	MAC Address	IP Address
384529183	04-A3-16-EB-73-1F	192.168.0.218
3925868676	00-03-EA-00-00-84	192.168.0.250
3925868682	00-03-EA-00-00-8A	192.168.0.106
3925868686	00-03-EA-00-00-8E	192.168.0.107
3925868916	00-03-EA-00-01-74	192.168.0.28
3925980305	00-03-EA-01-B5-59	192.168.0.115
3925989976	00-03-EA-01-DA-58	192.168.0.112
3925989885	00-03-EA-01-FD-25	192.168.0.212
3926094354	00-03-EA-03-72-12	192.168.0.175

**Upgrade consecutive NetAgent**

Serial Number	MAC Address	IP Address
384529183	04-A3-16-EB-73-1F	192.168.0.218
3925868676	00-03-EA-00-00-84	192.168.0.250
3925868682	00-03-EA-00-00-8A	192.168.0.106
3925868686	00-03-EA-00-00-8E	192.168.0.107
3925868916	00-03-EA-00-01-74	192.168.0.28
3925980305	00-03-EA-01-B5-59	192.168.0.115
3925989976	00-03-EA-01-DA-58	192.168.0.112
3925989885	00-03-EA-01-FD-25	192.168.0.212
3926094354	00-03-EA-03-72-12	192.168.0.175

**1. Select .bin file**

**2. Click on Download**

**3. Upgrade message**

**4. Cancel to exit**



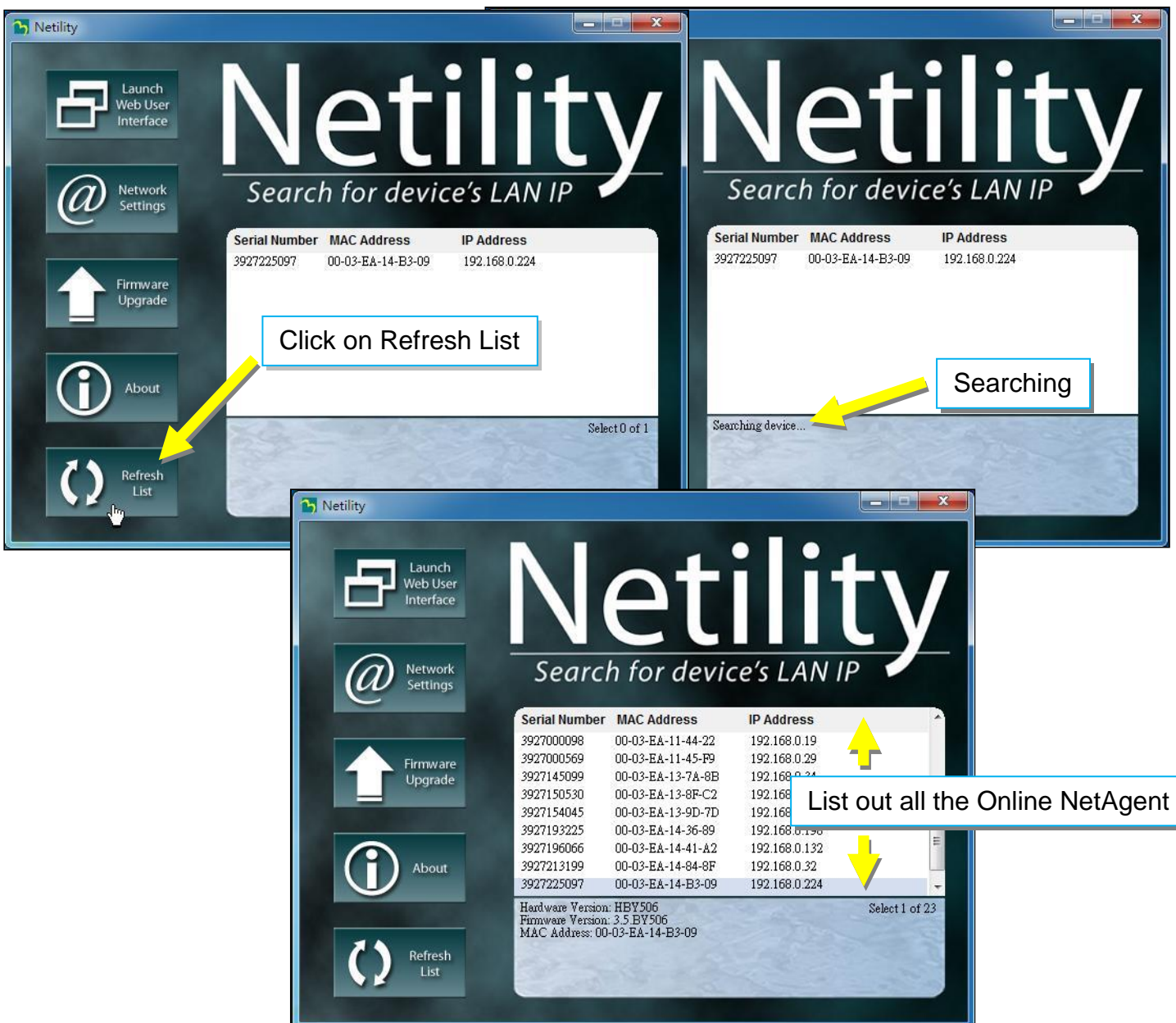
## 2.4 About

Here shows the current Netility version



## 2.5 Refresh List

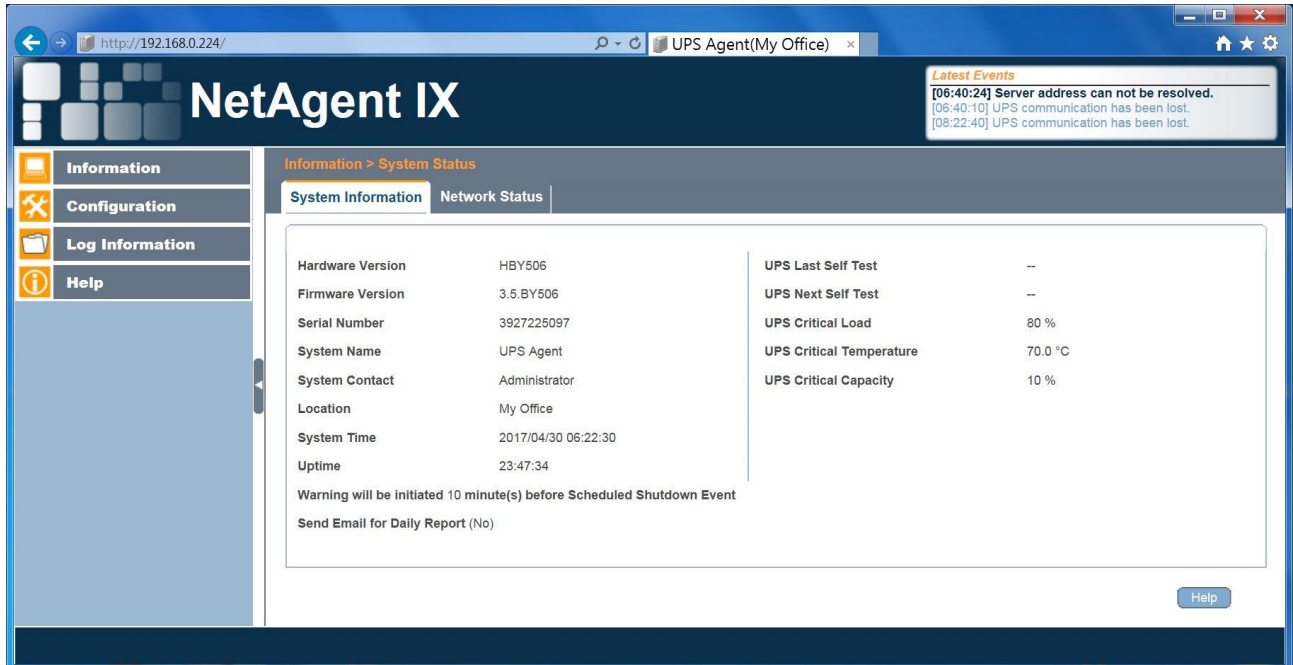
The list on Netility would refresh every 2 minutes automatically, however, manual refresh is also possible by clicking Refresh List



## 4.4 NetAgent Setting

### 4.4.1 Web Interface

#### NetAgent 9 Mini & NetAgent 9



The screenshot displays the NetAgent IX web interface. The browser address bar shows <http://192.168.0.224/> and the page title is "UPS Agent(My Office)". The interface features a navigation menu on the left with options: Information, Configuration, Log Information, and Help. The main content area is titled "Information > System Status" and contains two tabs: "System Information" and "Network Status".

**System Information**

Hardware Version	HBY506	UPS Last Self Test	--
Firmware Version	3.5.BY506	UPS Next Self Test	--
Serial Number	3927225097	UPS Critical Load	80 %
System Name	UPS Agent	UPS Critical Temperature	70.0 °C
System Contact	Administrator	UPS Critical Capacity	10 %
Location	My Office		
System Time	2017/04/30 06:22:30		
Uptime	23:47:34		

Warning will be initiated 10 minute(s) before Scheduled Shutdown Event  
Send Email for Daily Report (No)

**Network Status**

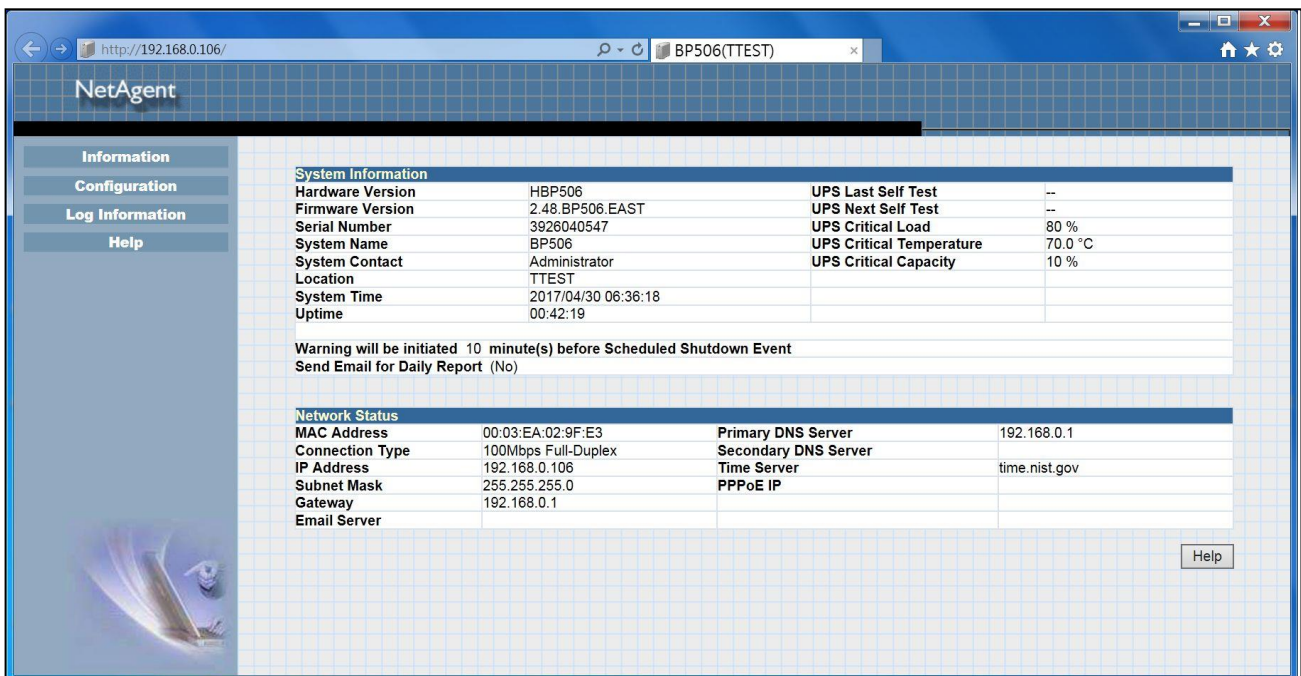
MAC Address	00:03:EA:02:9F:E3	Primary DNS Server	192.168.0.1
Connection Type	100Mbps Full-Duplex	Secondary DNS Server	
IP Address	192.168.0.106	Time Server	time.nist.gov
Subnet Mask	255.255.255.0	PPPoE IP	
Gateway	192.168.0.1		
Email Server			

Latest Events

- [06:40:24] Server address can not be resolved.
- [06:40:10] UPS communication has been lost.
- [08:22:40] UPS communication has been lost.

Help

#### NetAgent Mini & NetAgent II



The screenshot displays the NetAgent web interface. The browser address bar shows <http://192.168.0.106/> and the page title is "BP506(TTEST)". The interface features a navigation menu on the left with options: Information, Configuration, Log Information, and Help. The main content area is titled "NetAgent" and contains two tabs: "System Information" and "Network Status".

**System Information**

Hardware Version	HBP506	UPS Last Self Test	--
Firmware Version	2.48.BP506.EAST	UPS Next Self Test	--
Serial Number	3926040547	UPS Critical Load	80 %
System Name	BP506	UPS Critical Temperature	70.0 °C
System Contact	Administrator	UPS Critical Capacity	10 %
Location	TTEST		
System Time	2017/04/30 06:36:18		
Uptime	00:42:19		

Warning will be initiated 10 minute(s) before Scheduled Shutdown Event  
Send Email for Daily Report (No)

**Network Status**

MAC Address	00:03:EA:02:9F:E3	Primary DNS Server	192.168.0.1
Connection Type	100Mbps Full-Duplex	Secondary DNS Server	
IP Address	192.168.0.106	Time Server	time.nist.gov
Subnet Mask	255.255.255.0	PPPoE IP	
Gateway	192.168.0.1		
Email Server			

Help

■ Web Interface Display

**Latest Events**

**Current Directory**

**Information**

**Main Option**

**Sub-Option**

**Current Directory**

**System Status**

**UPS Agent(My Office)**

**BP506(TTEST)**

**NetAgent IX**

**NetAgent**

**Information > System Status**

**System Information**

Hardware Version	HBV506	UPS Last Self Test	--
Firmware Version	3.5.BV506	UPS Next Self Test	--
Serial Number	3927225097	UPS Critical Load	80 %
System Name	UPS Agent	UPS Critical Temperature	70.0 °C
System Contact	Administrator	UPS Critical Capacity	10 %
Location	My Office		
System Time	2017/04/30 07:08:10		
Uptime	1 day(s) 00:33:15		

Warning will be initiated 10 minute(s) before Scheduled Shutdown Event  
Send Email for Daily Report (No)

**System Information**

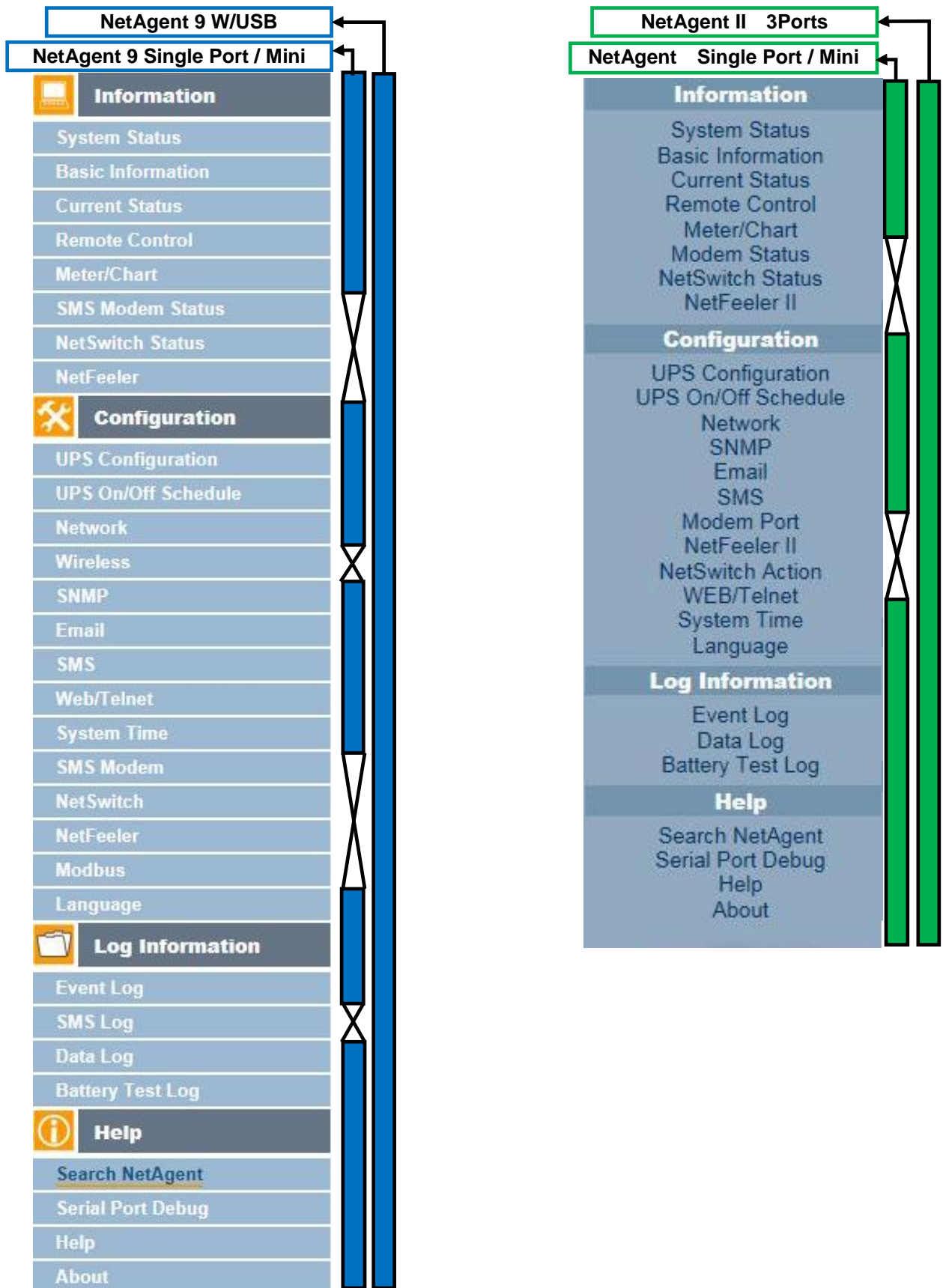
Hardware Version	HBP506	UPS Last Self Test	--
Firmware Version	2.48.BP506.EAST	UPS Next Self Test	--
Serial Number	3926040547	UPS Critical Load	80 %
System Name	BP506	UPS Critical Temperature	70.0 °C
System Contact	Administrator	UPS Critical Capacity	10 %
Location	TTEST		
System Time	2017/04/30 07:30:44		
Uptime	01:36:44		

Warning will be initiated 10 minute(s) before Scheduled Shutdown Event  
Send Email for Daily Report (No)

**Network Status**

MAC Address	00:03:EA:02:9F:E3	Primary DNS Server	192.168.0.1
Connection Type	100Mbps Full-Duplex	Secondary DNS Server	
IP Address	192.168.0.106	Time Server	time.nist.gov
Subnet Mask	255.255.255.0	PPPoE IP	
Gateway	192.168.0.1		
Email Server			

#### 4.4.2 NetAgent Option Directory Structure



### 4.4.3 NetAgent Setting Options

- Information > System Status
- **System Information**

Here shows all the basic information of the NetAgent such as hardware / firmware version; Serial Number; Uptime...etc.

NetAgent 9 Mini & NetAgent 9

The screenshot shows the NetAgent IX web interface. The browser address bar displays 'http://192.168.0.224/'. The page title is 'NetAgent IX'. A 'Latest Events' box in the top right corner contains the following text:

```
[06:40:24] Server address can not be resolved.
[06:40:10] UPS communication has been lost.
[08:22:40] UPS communication has been lost.
```

The main content area is titled 'Information > System Status' and has two tabs: 'System Information' (selected) and 'Network Status'. The 'System Information' tab displays the following data:

Hardware Version	HBY506	UPS Last Self Test	--
Firmware Version	3.5.BY506	UPS Next Self Test	--
Serial Number	3927225097	UPS Critical Load	80 %
System Name	UPS Agent	UPS Critical Temperature	70.0 °C
System Contact	Administrator	UPS Critical Capacity	10 %
Location	My Office		
System Time	2017/04/30 07:08:10		
Uptime	1 day(s) 00:33:15		

Below the table, there is a warning message: 'Warning will be initiated 10 minute(s) before Scheduled Shutdown Event' and a checkbox for 'Send Email for Daily Report (No)'. A 'Help' button is located at the bottom right of the main content area.

NetAgent Mini & NetAgent II

The screenshot shows the NetAgent web interface. The page title is 'NetAgent' and the sub-page title is 'System Status'. The left sidebar contains a menu with the following items:

- Information
  - System Status
  - Basic Information
  - Current Status
  - Remote Control
  - Meter/Chart
  - Modem Status
  - NetSwitch Status
  - NetFeeler II
- Configuration
- Log Information
- Help

The main content area displays the following data:

System Information			
Hardware Version	HBP506	UPS Last Self Test	--
Firmware Version	2.48.BP506.EAST	UPS Next Self Test	--
Serial Number	3926040547	UPS Critical Load	80 %
System Name	UPS Agent	UPS Critical Temperature	70.0 °C
System Contact	Administrator	UPS Critical Capacity	10 %
Location	My Office		
System Time	2017/05/01 13:20:14		
Uptime	00:03:37		

Below the table, there is a warning message: 'Warning will be initiated 10 minute(s) before Scheduled Shutdown Event' and a checkbox for 'Send Email for Daily Report (No)'. A 'Help' button is located at the bottom right of the main content area.

Network Status			
MAC Address	00:03:EA:02:9F:E3	Primary DNS Server	192.168.0.1
Connection Type	100Mbps Full-Duplex	Secondary DNS Server	
IP Address	192.168.0.106	Time Server	time.nist.gov
Subnet Mask	255.255.255.0	PPPoE IP	
Gateway	192.168.0.1		
Email Server			

- **Network Status**

This page shows the network information of the NetAgent. With NetAgent9 series which supports IPv6 could work with compatible network appliance.

### NetAgent 9 Mini & NetAgent 9

The screenshot displays the 'System Status' page for NetAgent 9. The left sidebar contains navigation options: Information (System Status, Basic Information, Current Status, Remote Control, Meter/Chart, SMS Modem Status, NetSwitch Status, NetFeeler), Configuration, Log Information, and Help. The main content area is titled 'Information > System Status' and has two tabs: 'System Information' and 'Network Status'. The 'Network Status' tab is active, showing details for Ethernet, General, IPv4, and IPv6.

Ethernet		General	
MAC Address	00:03:EA:14:B3:09	Email Server	
Connection Type	100Mbps Full-Duplex	Time Server	time.nist.gov
		PPPoE IP	
		PPPoE IPv6	

IPv4		IPv6	
IP Address	192.168.0.224	IP Address	
Subnet Mask	255.255.255.0	LinkLocal Address	fe80::203:eaff:fe14:b309/64
Gateway	192.168.0.2	6to4 Address	
Primary DNS Server	192.168.0.2	Gateway	
Secondary DNS Server		Primary DNS Server	
		Secondary DNS Server	

[Help](#)

### NetAgent Mini & NetAgent II

The screenshot displays the 'System Status' page for NetAgent Mini & NetAgent II. The left sidebar contains navigation options: Information (System Status, Basic Information, Current Status, Remote Control, Meter/Chart, Modem Status, NetFeeler II), Configuration, Log Information, and Help. The main content area is titled 'NetAgent System Status' and has two tabs: 'System Information' and 'Network Status'. The 'Network Status' tab is highlighted with a yellow border and shows details for Ethernet, General, IPv4, and IPv6.

System Information			
Hardware Version	HBP506	UPS Last Self Test	--
Firmware Version	2.48.BP506.EAST	UPS Next Self Test	--
Serial Number	3926040547	UPS Critical Load	80 %
System Name	UPS Agent	UPS Critical Temperature	70.0 °C
System Contact	Administrator	UPS Critical Capacity	10 %
Location	My Office		
System Time	2017/05/01 13:20:14		
Uptime	00:03:37		

Warning will be initiated 10 minute(s) before Scheduled Shutdown Event  
Send Email for Daily Report (No)

Network Status			
MAC Address	00:03:EA:02:9F:E3	Primary DNS Server	192.168.0.1
Connection Type	100Mbps Full-Duplex	Secondary DNS Server	
IP Address	192.168.0.106	Time Server	time.nist.gov
Subnet Mask	255.255.255.0	PPPoE IP	
Gateway	192.168.0.1		
Email Server			

[Help](#)

■ **Information > Basic Information**

This page shows UPS information/Battery Information/Rating Information. The data is obtained from the reply of UPS or the settings from [UPS Configuration] webpage

**NetAgent 9 Mini & NetAgent 9**

The screenshot shows the NetAgent 9 Mini & NetAgent 9 interface. On the left is a navigation menu with categories: Information (System Status, Basic Information, Current Status, Remote Control, Meter/Chart, SMS Modem Status, NetSwitch Status, NetFeeler), Configuration, Log Information, and Help. The main content area is titled 'Information > Basic Information' and contains three sections: UPS Information, Battery Information, and Rating Information. A 'Help' button is located at the bottom right.

UPS Information	
UPS Manufacturer	Megatec_UPS
UPS Firmware Version	20170001
UPS Model	BEST_UPS

Battery Information	
Date of last battery replacement	2016/01/01
Number of Batteries	2
Battery Charge Voltage	2.267 V

Rating Information	
Voltage Rating	220.0 V
Frequency Rating	50.0 Hz
Battery Voltage Rating	24.01 V

**NetAgent Mini & NetAgent II**

The screenshot shows the NetAgent Mini & NetAgent II interface. The top header includes the 'NetAgent' logo and 'Basic Information'. The left navigation menu includes: Information (System Status, Basic Information, Current Status, Remote Control, Meter/Chart, Modem Status, NetFeeler II), Configuration, Log Information, and Help. The main content area displays the same three sections as the previous screenshot: UPS Information, Battery Information, and Rating Information. A 'Help' button is located at the bottom right.

UPS Information	
UPS Manufacturer	Megatec_UPS
UPS Firmware Version	20170001
UPS Model	BEST_UPS

Battery Information	
Date of last battery replacement	2006/01/01
Number of Batteries	2
Battery Charge Voltage	2.267V

Rating Information	
Voltage Rating	220.0V
Frequency Rating	50.0Hz
Battery Voltage Rating	24.01V

■ **Information > Current Status**

This page shows current UPS Input / Output and Battery Status. Status refresh time can be configured. When abnormal condition occurs, it shows in red.

**NetAgent 9 Mini & NetAgent 9**

The screenshot shows the 'Information > Current Status' page. On the left is a navigation menu with categories: Information (System Status, Basic Information, Current Status, Remote Control, Meter/Chart, SMS Modem Status, NetSwitch Status, NetFeeler), Configuration, Log Information, and Help. The main content area has tabs for 'Input Status', 'Output Status', and 'Battery Status'. Under 'Input Status', there is a table:

AC Status	Normal	
Input Line Voltage	220.1 V	
Input Max. Line Voltage	220.1 V	
Input Min. Line Voltage	220.1 V	
Input Frequency	50.0 Hz	

Below the table, it shows 'UPS Status: UPS Normal'. A dropdown menu for 'Refresh status every' is open, showing options: 2 seconds, 5 seconds, 10 seconds (selected), 30 seconds, and 1 minute. A yellow box highlights the 'Refresh status every' dropdown, and a yellow arrow points to it from the dropdown menu.

**NetAgent Mini & NetAgent II**

The screenshot shows the 'NetAgent' interface with the 'Current Status' page. The left navigation menu includes: Information (System Status, Basic Information, Current Status, Remote Control, Meter/Chart, Modem Status, NetFeeler II), Configuration, Log Information, and Help. At the top right, it says 'Current Status'. Below the navigation, there is a 'Refresh status every' dropdown set to '10 seconds'. The main content area displays the following status information:

UPS Status: UPS Normal

**Input Status**

AC Status	On Battery
Input Line Voltage	220.1 V
Input Max. Line Voltage	220.1 V
Input Min. Line Voltage	220.1 V
Input Frequency	50.0 Hz

**Output Status**

Output Voltage	220.1 V
Output Status	On Battery
UPS load	30 %

**Battery Status**

Temperature	30.1 °C ( 86.1 °F )
Battery Status	Battery Low
Battery Capacity	100 %
Battery Voltage	325.2 V
Time on Battery	00:02:14
Estimated Battery Remaining Time	1 day(s) 09:20:00
UPS Last Self Test	--
UPS Next Self Test	--

A 'Help' button is located at the bottom right of the page.



## ■ Information > Remote Control

Here, user can perform several test to the UPS remotely. Once the option is selected, please click on Apply in order to execute it.

### NetAgent 9 Mini & NetAgent 9

The screenshot displays the 'Information > Remote Control' interface for NetAgent 9. On the left is a navigation menu with categories: Information (System Status, Basic Information, Current Status, Remote Control, Meter/Chart, SMS Modem Status, NetSwitch Status, NetFeeler), Configuration, Log Information, and Help. The main content area is titled 'Information > Remote Control' and contains two sections: 'UPS Testing' and 'Miscellaneous'. The 'UPS Testing' section has four radio button options: '10-Second Test' (selected), 'Deep Battery Test for 10 minute(s)', 'Test until battery capacity below 10 %', and 'Test Until Battery Low'. The 'Miscellaneous' section has five radio button options: 'Turn off UPS when AC power Fails', 'Put UPS in Sleep mode for 60 minute(s)', 'Wake up UPS', 'Reboot UPS', and 'UPS Buzzer On/Off'. At the bottom, there are three buttons: 'Apply', 'Reset', and 'Help'. A yellow box highlights the 'Apply' button, and a yellow arrow points from a text box labeled 'Select and Apply' to it. Another yellow arrow points from the 'Apply' button to the 'Miscellaneous' section above it.

### NetAgent Mini & NetAgent II

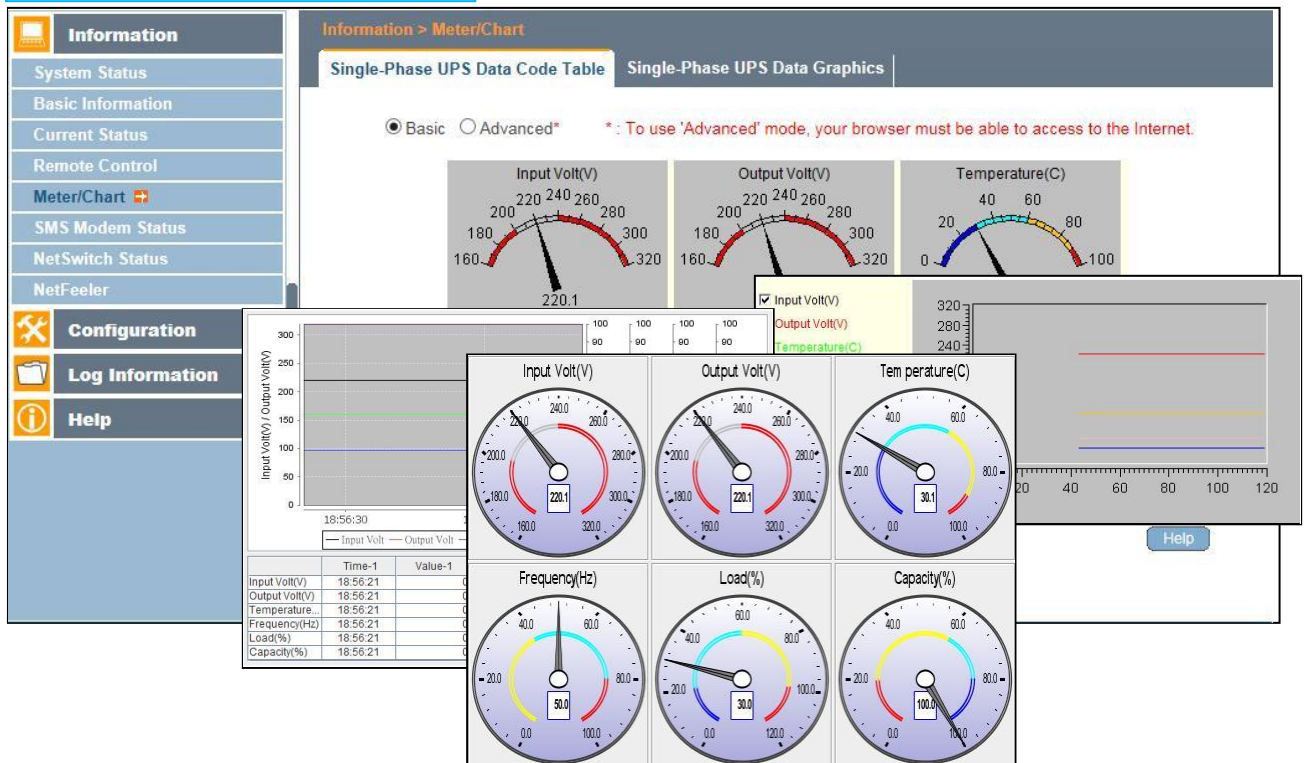
The screenshot displays the 'Remote Control' interface for NetAgent Mini & NetAgent II. The top left shows the 'NetAgent' logo, and the top right shows 'Remote Control'. On the left is a navigation menu with categories: Information (System Status, Basic Information, Current Status, Remote Control, Meter/Chart, Modem Status, NetFeeler II), Configuration, Log Information, and Help. The main content area contains two sections: 'UPS Testing' and 'Miscellaneous'. The 'UPS Testing' section has four radio button options: '10-Second Test' (selected), 'Deep Battery Test for 10 minute(s)', 'Test until battery capacity below 10 %', and 'Test Until Battery Low'. The 'Miscellaneous' section has five radio button options: 'Turn off UPS when AC power Fails', 'Put UPS in Sleep mode for 60 minute(s)', 'Wake up UPS', 'Reboot UPS', and 'UPS Buzzer On/Off'. At the bottom, there are three buttons: 'Apply', 'Reset', and 'Help'. A yellow box highlights the 'Apply' button, and a yellow arrow points from a text box labeled 'Select and Apply' to it. Another yellow arrow points from the 'Apply' button to the 'Miscellaneous' section above it.

## ■ Information > Meter/Chart

This is to show UPS Input, Output, Temperature, Frequency..etc in graphic or chart. Java is required.



## NetAgent 9 Mini & NetAgent 9



# NetAgent Mini & NetAgent II

NetAgent
Meter/Chart

**Information**

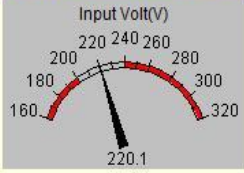
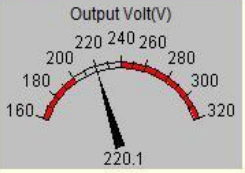
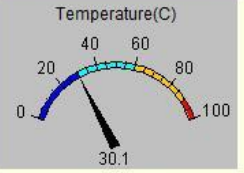
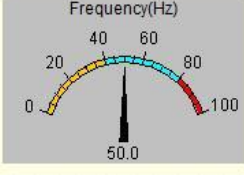
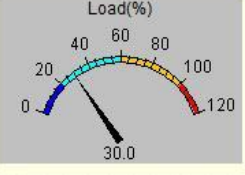
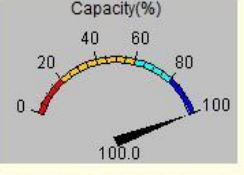
System Status  
Basic Information  
Current Status  
Remote Control  
Meter/Chart  
Modem Status  
NetFeeler II

**Configuration**

**Log Information**

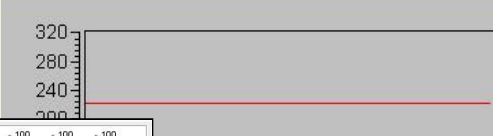
**Help**

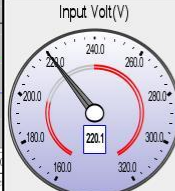
### Single-Phase UPS Data Code Table

 <p>Input Volt(V) 220.1</p>	 <p>Output Volt(V) 220.1</p>	 <p>Temperature(C) 30.1</p>
 <p>Frequency(Hz) 50.0</p>	 <p>Load(%) 30.0</p>	 <p>Capacity(%) 100.0</p>


### Single-Phase UPS Data Graphics

Input Volt(V)  
 Output Volt(V)  
 Temperature(C)






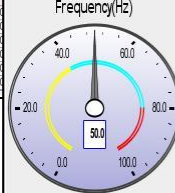
Input Volt(V)  
220.1



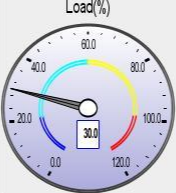
Output Volt(V)  
220.1



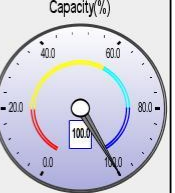
Temperature(C)  
30.1



Frequency(Hz)  
50.0



Load(%)  
30.0



Capacity(%)  
100.0

	Time-1	Value-1	T
Input Volt(V)	18:56:21	0	08.3
Output Volt(V)	18:56:21	0	08.3
Temperature	18:56:21	0	08.3
Frequency(Hz)	18:56:21	0	08.3
Load(%)	18:56:21	0	08.3
Capacity(%)	18:56:21	0	08.3

■ **Information > SMS Modem Status**

This page shows the Modem status when GPRS modem is connecting with NetAgent 9 or NetAgent II (3 Ports)

NetAgent 9

Modem Information	
Modem Manufacturer	SIEMENS
Modem Model	MC55
Modem Firmware Version	REVISION 04.00

GSM Modem Current Status	
Service Provider	TWN GSM 1800
Central number of SMS service	886935874443
Signal Strength	54%
SIM card PIN is correct or not	SIM card PIN correct or no PIN configured

NetAgent II 3 Ports

Modem Information	
Modem Manufacturer	SIEMENS
Modem Model	MC55
Modem Firmware Version	REVISION 04.00

GSM Modem Current Status	
Service Provider	TWN GSM 1800
Central number of SMS service	886935874443
Signal Strength	38%
SIM card PIN is correct or not	SIM card PIN correct or no PIN configured

■ **Information > NetSwitch Status**

If NetAgent connects with our NetSwitch to control outlet remotely, this page shows the status of each outlet and each outlet can be turn On/Off manually

NetAgent 9

Select NetSwitch ID

**NetSwitch Status and Control**

Select NetSwitch: NetSwitch01(iSWITCH)

Identification: iSWITCH

OutletA instant shutdown	ON		OutletE instant shutdown	ON	
OutletB instant shutdown	OFF		OutletF instant shutdown	ON	
OutletC instant shutdown	ON		OutletG instant shutdown	ON	
OutletD instant shutdown	ON		OutletH instant shutdown	ON	

All On
  
All Off

Control Outlet

NetAgent II 3 Ports

**NetAgent II 3 Ports**

**NetSwitch Status**

**NetSwitch Status and Control** (Click the icon to turn on or off the specific outlet)

Select NetSwitch: NetSwitch01

Identification: iSWITCH

OutletA instant shutdown	ON		OutletE instant shutdown	ON	
OutletB instant shutdown	OFF		OutletF instant shutdown	ON	
OutletC instant shutdown	ON		OutletG instant shutdown	ON	
OutletD instant shutdown	ON		OutletH instant shutdown	ON	

All On
  
All Off

Help

■ **Information > NetFeeler (NetFeeler II)**

This page shows the environmental status when NetFeeler/ NetFeeler II and its accessories are connected with NetAent.

NetAgent 9 3PORTS

The screenshot shows the NetAgent 9 3PORTS interface. On the left is a navigation menu with categories: Information (System Status, Basic Information, Current Status, Remote Control, Meter/Chart, SMS Modem Status, NetSwitch Status, NetFeeler), Configuration, Log Information, and Help. The main content area is titled 'Information > NetFeeler' and displays the 'NetFeeler Status' table. Below the table are 'Reset Alarm' and 'Help' buttons, and a 'Refresh status every' dropdown menu set to 5 seconds.

NetFeeler Status			
Environmental Temperature	29.1 °C ( 84.3 °F)	Security1 Status	Normal
Environmental Humidity	54 %	Security2 Status	Normal
Water Status	Alarm	Security3 Status	Normal
Gas Status	Normal	Security4 Status	Normal
Smoke Status	Normal	Security5 Status	Normal
		Security6 Status	Normal
		Security7 Status	Normal

NetAgent II 3 Ports

The screenshot shows the NetAgent II 3 Ports interface. The top header includes 'NetAgent' on the left and 'NetFeeler II' on the right. The left navigation menu includes: Information (System Status, Basic Information, Current Status, Remote Control, Meter/Chart, Modem Status, NetFeeler II), Configuration, Log Information, and Help. The main content area is titled 'NetFeeler II Status' and displays the status table. Above the table is a 'Refresh status every' dropdown menu set to 10 seconds. Below the table are 'Reset Alarm' and 'Help' buttons.

NetFeeler II Status	
Environmental Temperature	27.3 °C ( 81.1 °F)
Environmental Humidity	58 %
Water Status	Alarm
Gas Status	Normal
Smoke Status	Normal
Security1 Status	Normal
Security2 Status	Normal
Security3 Status	Normal
Security4 Status	Normal
Security5 Status	Normal
Security6 Status	Normal
Security7 Status	Normal

■ **Configuration > UPS Configuration**

- UPS Properties (Please refer to your UPS specification)

UPS Communication Type:

In order to let NetAgent and UPS to establish the communication, select the compatible protocol which your UPS supported from the list. Wrong protocol selected would cause no communication at all. (Megatec is default protocol)

Number of Batteries :

Enter the number of battery that the UPS has.

Battery Full Charge Voltage (V) :

Enter the number of the full charged voltage per battery cell. (2.267 is default, this is recommended not to be change)

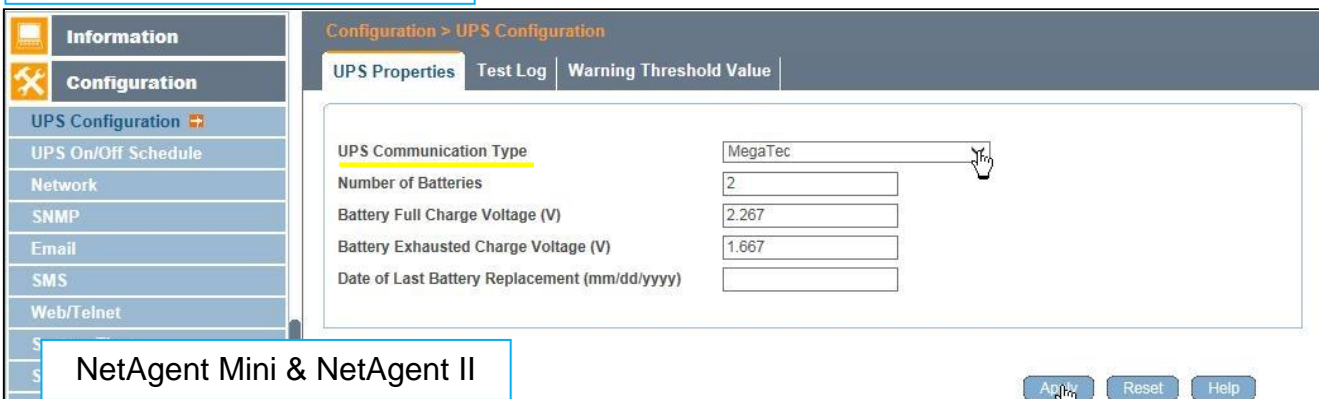
Battery Exhausted Charge Voltage(V) :

Enter the number of exhausted voltage per battery cell. (1.667 is default, this is recommended not to be change)

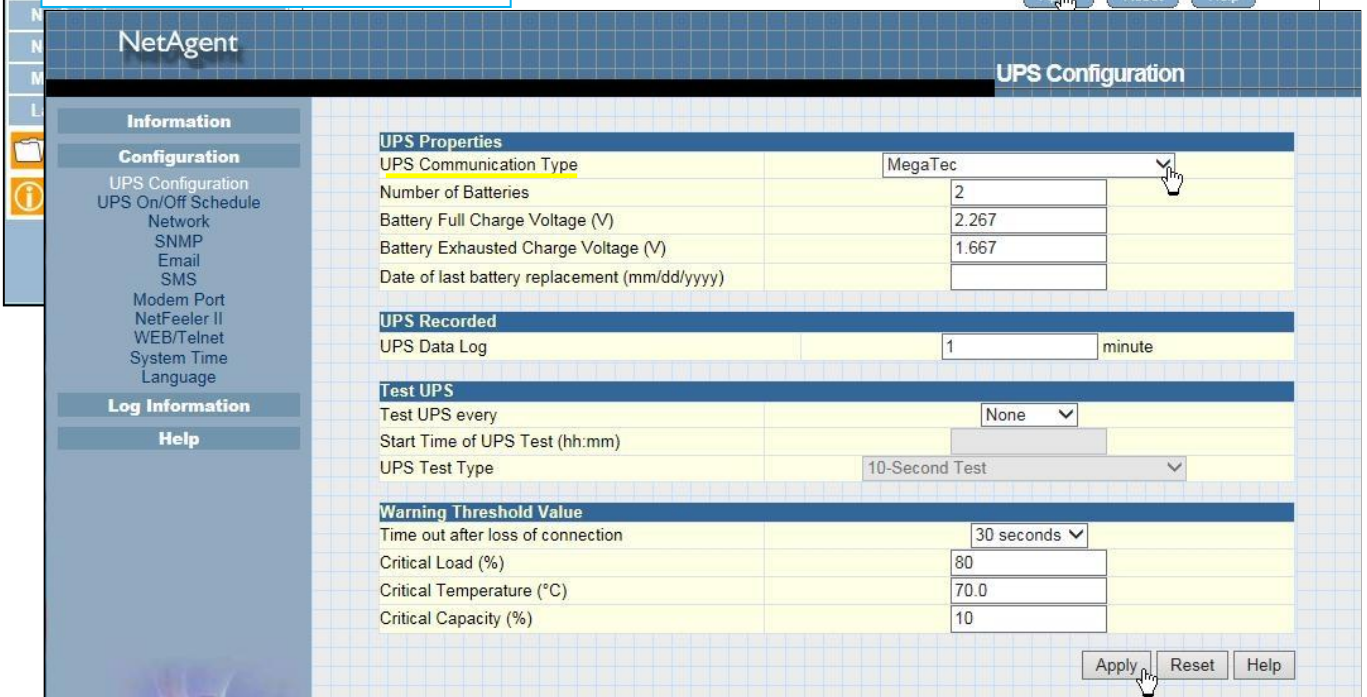
Date of Last Battery replacement(mm/dd/yyyy) :

Enter the date of last battery replacement for record

NetAgent 9 Mini & NetAgent 9



NetAgent Mini & NetAgent II



- Test Log

Test UPS Every :

Week /2 Weeks/ Month / Quarter UPS can be selected

Start Time of UPS Test (hh:mm) :

To enter the time to begin the test

UPS Test Type :

Test option can be select from the drop down list

UPS Data Log :

To enter the time interval to refreshing data

### NetAgent 9 Mini & NetAgent 9

### NetAgent Mini & NetAgent II



- Warning Threshold Values

Time out after loss of connection :

Send warning alarm when NetAgent and UPS lost connection at this configured time

Critical Load(%) :

When loading reaches at this % configured, NetAgent will send warning alarm

UPS Temperature (°C) :

When UPS temperature reaches at this degree configured, NetAgent will send warning alarm

Critical Capacity (%) :

When UPS battery capacity reaches at this % configured, NetAgent will send warning alarm

### NetAgent 9 Mini & NetAgent 9

The screenshot shows the 'Warning Threshold Value' configuration page for NetAgent 9 Mini & NetAgent 9. The page is titled 'Configuration > UPS Configuration' and has three tabs: 'UPS Properties', 'Test Log', and 'Warning Threshold Value'. The 'Warning Threshold Value' tab is active, showing the following settings:

Time out after loss of connection	30 seconds
Critical Load (%)	80
Critical Temperature (°C)	70.0
Critical Capacity (%)	10

At the bottom right, there are three buttons: 'Apply', 'Reset', and 'Help'. A mouse cursor is pointing at the 'Apply' button.

### NetAgent Mini & NetAgent II

The screenshot shows the 'UPS Configuration' page for NetAgent Mini & NetAgent II. The page is titled 'NetAgent' and 'UPS Configuration'. The left sidebar contains a navigation menu with the following items:

- Information
- Configuration
  - UPS Configuration
  - UPS On/Off Schedule
  - Network
  - SNMP
  - Email
  - SMS
  - Modem Port
  - NetFeeler II
  - WEB/Telnet
  - System Time
  - Language
- Log Information
- Help

The main content area is divided into several sections:

- UPS Properties**
  - UPS Communication Type: MegaTec
  - Number of Batteries: 2
  - Battery Full Charge Voltage (V): 2.267
  - Battery Exhausted Charge Voltage (V): 1.667
  - Date of last battery replacement (mm/dd/yyyy):
- UPS Recorded**
  - UPS Data Log: 1 minute
- Test UPS**
  - Test UPS every: None
  - Start Time of UPS Test (hh:mm):
  - UPS Test Type: 10-Second Test
- Warning Threshold Value** (highlighted in yellow)
  - Time out after loss of connection: 30 seconds
  - Critical Load (%): 80
  - Critical Temperature (°C): 70.0
  - Critical Capacity (%): 10

At the bottom right, there are three buttons: 'Apply', 'Reset', and 'Help'. A mouse cursor is pointing at the 'Apply' button.

■ Configuration > UPS On/Off Schedule

● UPS Action

When selected event happens at configured time range, UPS will be shut down

NetAgent 9 Mini & NetAgent 9

1. Time Range      2. Event      3. Time to turn off UPS      4. Add new event

Configuration > UPS On/Off Schedule

UPS Action    Weekly Schedule    Date Schedule    Wake On Lan

During 00:00 - 23:59 if UPS Load Overrun occur, then turn off UPS after 0 minutes. Add

No.	During Time Interval(HH:MM)	Event	Delay Time (Min)	
1	00:00 - 23:59	UPS Load Overrun	10	[Delete]
2	00:00 - 23:59	AC Power Failed	8	[Delete]
3	00:00 - 23:59	UPS Battery Low	15	[Delete]
4	00:00 - 23:59	UPS Temperature Overrun	3	[Delete]

Event schedule list

Apply    Reset    Help

NetAgent Mini & NetAgent II

NetAgent

UPS On/Off Schedule

UPS Action

During 00:00 - 23:59 if UPS Load Overrun occur, then turn off UPS after 0 minutes. Add

No.	During Time Interval(HH:MM)	Event	Delay Time (Min)	
1	00:00 - 23:59	UPS Load Overrun	10	[Delete]
2	00:00 - 23:59	AC Power Failed	8	[Delete]
3	00:00 - 23:59	UPS Battery Low	15	[Delete]
4	00:00 - 23:59	UPS Temperature Overrun	3	[Delete]

Event schedule list

Weekly Schedule

	Turn On (hh:mm)	Turn Off (hh:mm)
Sunday		
Monday		
Tuesday		
Wednesday		
Thursday		
Friday		
Saturday		23:59

Date Schedule

Date (yyyy/mm/dd)	Turn On (hh:mm)	Turn Off (hh:mm)

Apply    Reset    Help

- Weekly Schedule

This section is to set the time to turn on/off the UPS each day in the week.

### NetAgent 9 Mini & NetAgent 9

The screenshot shows the 'Configuration > UPS On/Off Schedule' page. The 'Weekly Schedule' tab is active. The page features a sidebar with navigation options: Information, Configuration (selected), Log Information, and Help. Under 'Configuration', there are links for UPS Configuration, UPS On/Off Schedule (with a plus icon), Network, SNMP, Email, SMS, Web/Telnet, System Time, SMS Modem, NetSwitch, NetFeeler, Modbus, and Language. The main content area has tabs for 'UPS Action', 'Weekly Schedule', 'Date Schedule', and 'Wake On Lan'. Below these tabs is a table for setting the weekly schedule:

	Turn On (hh:mm)	Turn Off (hh:mm)
Sunday	05:00	23:59
Monday	00:00	23:59
Tuesday	00:00	23:59
Wednesday	00:00	23:59
Thursday	00:00	23:59
Friday	00:00	23:59
Saturday	00:00	23:59

Below the table, a warning message states: 'Warning will be initiated 10 minutes before Scheduled Shutdown Event'. At the bottom right, there are 'Apply', 'Reset', and 'Help' buttons.

### NetAgent Mini & NetAgent II

The screenshot shows the 'NetAgent' configuration page for 'UPS On/Off Schedule'. The 'Weekly Schedule' tab is active and highlighted with a yellow border. The page features a sidebar with navigation options: Information, Configuration (selected), Log Information, and Help. Under 'Configuration', there are links for UPS Configuration, UPS On/Off Schedule, Network, SNMP, Email, SMS, Modem Port, NetFeeler II, WEB/Telnet, System Time, and Language. The main content area has tabs for 'Weekly Schedule', 'Date Schedule', and 'Wake On Lan'. Below these tabs is a table for setting the weekly schedule:

	Turn On (hh:mm)	Turn Off (hh:mm)
Sunday	05:00	23:59
Monday	00:00	23:59
Tuesday	00:00	23:59
Wednesday	00:00	23:59
Thursday	00:00	23:59
Friday	00:00	23:59
Saturday	00:00	23:59

Below the table, a warning message states: 'Warning will be initiated 10 minutes before Scheduled Shutdown Event'. At the bottom right, there are 'Apply', 'Reset', and 'Help' buttons.

- Date Schedule

This section is to set the time to turn on/off the UPS on particular days. (e.g, holidays.) The settings here override the settings in **Weekly Schedule**.

**Warning will be initiated before Schedule shutdown event**

NetAgent will send a warning message before a scheduled shutdown. This section sets the delay time period after the message is sent and before the scheduled shutdown is started.

NetAgent 9 Mini & NetAgent 9

The screenshot shows the configuration page for the Date Schedule. The left sidebar contains navigation menus for Information, Configuration, Log Information, and Help. The main content area is titled 'Configuration > UPS On/Off Schedule' and has tabs for 'UPS Action', 'Weekly Schedule', 'Date Schedule', and 'Wake On Lan'. The 'Date Schedule' tab is active, displaying a table with columns for Date (yyyy/mm/dd), Turn On (hh:mm), and Turn Off (hh:mm). Below the table, there is a dropdown menu for 'Warning will be initiated' set to '10 minutes' before Scheduled Shutdown Event. At the bottom right, there are 'Apply', 'Reset', and 'Help' buttons.

Date (yyyy/mm/dd)	Turn On (hh:mm)	Turn Off (hh:mm)
2017/05/06	05:00	23:00
2017/08/08	08:00	23:59
2017/09/12	09:00	17:00
2017/10/20	19:00	23:59
2017/10/22	04:00	18:00
2017/11/01	00:00	06:00
2017/12/31	00:00	07:00

Warning will be initiated  before Scheduled Shutdown Event

Apply Reset Help

NetAgent Mini & NetAgent II

The screenshot shows the configuration page for the Date Schedule in NetAgent Mini & NetAgent II. The left sidebar contains navigation menus for Information, Configuration, Log Information, and Help. The main content area is titled 'NetAgent UPS On/Off Schedule' and has tabs for 'Date Schedule' and 'Wake On Lan'. The 'Date Schedule' tab is active, displaying a table with columns for Date (yyyy/mm/dd), Turn On (hh:mm), and Turn Off (hh:mm). Below the table, there is a dropdown menu for 'Warning will be initiated' set to '10 minutes' before Scheduled Shutdown Event. At the bottom right, there are 'Apply', 'Reset', and 'Help' buttons.

Date (yyyy/mm/dd)	Turn On (hh:mm)	Turn Off (hh:mm)
2017/05/06	05:00	23:00
2017/08/08	08:00	23:59
2017/09/12	09:00	17:00
2017/10/20	19:00	23:59
2017/10/22	04:00	18:00
2017/11/01	00:00	06:00
2017/12/31	00:00	07:00

Warning will be initiated  before Scheduled Shutdown Event

Apply Reset Help

- Wake On Lan

This section is to wake the PC within the network when AC recovery, or, when battery capacity reaches at configured %. (Make sure the PC has such function supported and configure as "Enabled" under BIOS.) Enter the IP address of that PC and system would search its IP accordingly.

**NetAgent 9 Mini & NetAgent 9**

1. IP Address of the PC

3. MAC address will be automatically searched

4. 【Test】

2. Click 【Apply.】

Condition to wake UPS

Host	IP	MAC	Test
Host1	192.168.1.5	00:18:F3:91:A3:C4	Test
Host2	192.168.1.4	00:03:EA:08:2D:EF	Test
Host3	IP:	MAC:	Test
Host4	IP:	MAC:	Test
Host5	IP:	MAC:	Test
Host6	IP:	MAC:	Test
Host7	IP:	MAC:	Test
Host8	IP:	MAC:	Test

Miscellaneous

Wake up remote host after power restore

Wait until battery capacity reaches to 30 %

Apply Reset Help

**NetAgent Mini & NetAgent II**

**NetAgent**

UPS On/Off Schedule

Date Schedule

Date (yyyy/mm/dd)	Turn On (hh:mm)	Turn Off (hh:mm)
2017/05/06	05:00	23:00
2017/08/08	08:00	23:59
2017/09/12	09:00	17:00
2017/10/20	19:00	23:59
2017/10/22	04:00	18:00
2017/11/01	00:00	06:00
2017/12/31	00:00	07:00

Warning will be initiated 10 minutes before Scheduled Shutdown Event

Wake On Lan

Host	IP	MAC	Test
Host1	192.168.1.5	00:18:F3:91:A3:C4	Test
Host2	192.168.1.3	00:03:EA:14:B3:09	Test
Host3	IP:	MAC:	Test
Host4	IP:	MAC:	Test
Host5	IP:	MAC:	Test
Host6	IP:	MAC:	Test
Host7	IP:	MAC:	Test
Host8	IP:	MAC:	Test

Miscellaneous

Wake up remote host after power restore

Wait until battery capacity reaches to 30 %

Apply Reset Help

## ■ Configuration > Network

This page is to set NetAgent Network settings.

### ● IPv4

NetAgent and DNS IP address can be obtain by drop down list with option of Manually , Using DHCP, or Bootp. If the IP address and DNS has been configured on Netility, then info will automatically show here

### NetAgent 9 Mini & NetAgent 9

The screenshot shows the 'Configuration > Network' page for NetAgent 9 Mini & NetAgent 9. The 'IPv4' tab is selected. The 'IP Address' section shows fields for IP Address (192.168.1.100), Subnet Mask (255.255.255.0), and Gateway (192.168.1.1). The 'Obtain an IP address' dropdown is set to 'Manually', with a yellow arrow pointing to a callout box that says 'Manually Using DHCP Using Bootp'. The 'DNS Server IP' section shows fields for Primary DNS Server IP (168.95.1.1) and Secondary DNS Server IP (8.8.8.8). The 'Obtain DNS Server IP' dropdown is set to 'Manually', with a yellow arrow pointing to a callout box that says 'Manually Automatically'. At the bottom right, there are 'Apply', 'Reset', and 'Help' buttons, with 'Apply' highlighted by a yellow box.

### NetAgent Mini & NetAgent II

The screenshot shows the 'Configuration > Network' page for NetAgent Mini & NetAgent II. The 'IPv4' tab is selected. The 'IP Address' section shows fields for IP Address (192.168.1.100), Subnet Mask (255.255.255.0), and Gateway (192.168.1.1). The 'Obtain an IP address\*' dropdown is set to 'Manually', with a yellow arrow pointing to a callout box that says 'Manually Using DHCP Using Bootp'. The 'DNS Server IP' section shows fields for Primary DNS Server IP (192.168.1.100) and Secondary DNS Server IP (8.8.8.8). Below this, the 'Ethernet' section shows 'Connection Type\*' set to 'Auto Sense' and 'Stop UPS communication when Ethernet disconnected' set to 'No'. A yellow box highlights the IP Address and DNS Server IP sections.

- IPv6

All NetAgent 9 series supports IPv6. IP address can be obtain from the drop down list with option of ( Automatic/ Stateless DHCPV6/ DHCPV6/ Manual )

☀ Once click on Apply, NetAgent will reboot

### NetAgent 9 Mini & NetAgent 9

Configuration > Network

IPv4 IPv6 Ethernet Dynamic DNS PPPoE

IP Address

IP Address [2001:b011:200b:14f4:49ad:ddeb:7f2]

IPv6 Prefix 64

Gateway [fe80::16d6:4dff:fe33:e962]

Obtain an address \* Automatic

Router Discovery Autorespond Yes

Maximum Number of IPv6 Prefix 8

Multicast Address [FF1E::1] : 5000

DNS Server IP

Primary DNS Server 2001:b000:168::1

Secondary DNS Server 2001:b000:168::1

\* : System will reboot when these items have been Applied.

Apply Reset Help

Information > System Status

System Information Network Status

Ethernet

MAC Address 00:03:EA:14:B3:09

Connection Type 100Mbps Full-Duplex

General

Email Server

Time Server time.nist.gov

PPPoE IP

PPPoE IPv6

IPv4

IP Address 192.168.1.100

Subnet Mask 255.255.255.0

Gateway 192.168.1.1

Primary DNS Server 168.95.1.1

Secondary DNS Server 8.8.8.8

IPv6

IP Address 2001:b011:200b:14f4:203:eaff:fe14:b309/64  
2001:b011:200b:14f4:49ad:ddeb:7f2e:6b5a/64

LinkLocal Address fe80::203:eaff:fe14:b309/64

IPv6 Address fe80::16d6:4dff:fe33:e962

Gateway fe80::16d6:4dff:fe33:e962

Primary DNS Server

Secondary DNS Server

Help

http://[2001:b011:200b:14f4:203:eaff:fe14:b309]/

UPS Agent(My Office)

# NetAgent IX

Information > Current Status

Input Status Output Status Battery Status

AC Status Normal

Latest Events

[05:25:37] Internal diagnostic self-test passed.  
[05:25:13] Internal diagnostic self-test failed.  
[05:24:28] Utility power has been restored.

- Ethernet

Connection Type

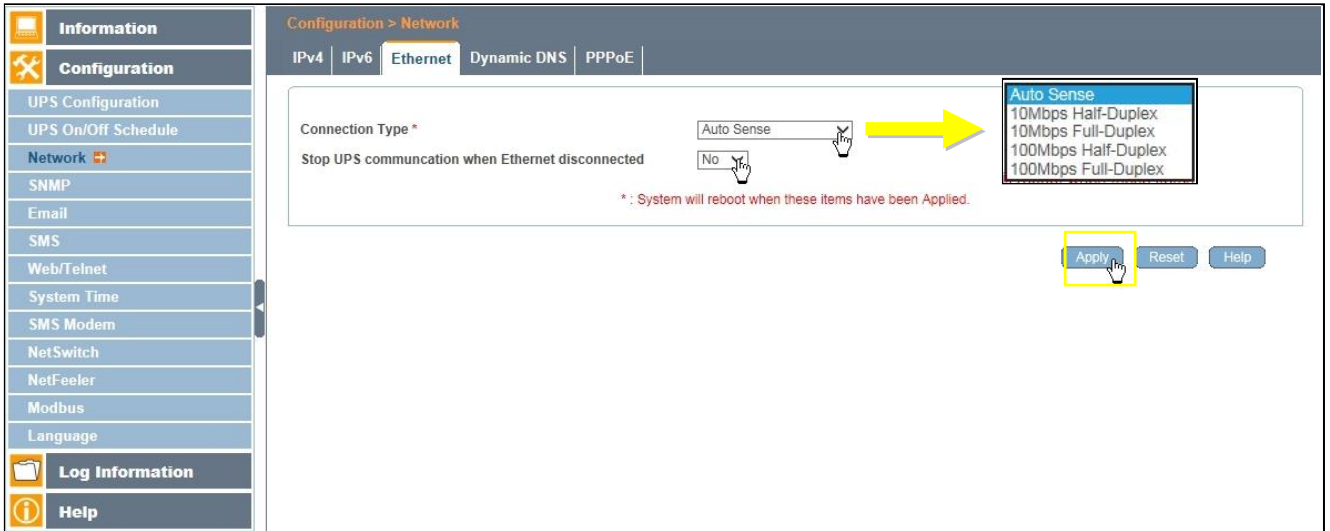
This section is to set communication speed between NetAgent and Network.

✳️ Once click on Apply, NetAgent will reboot

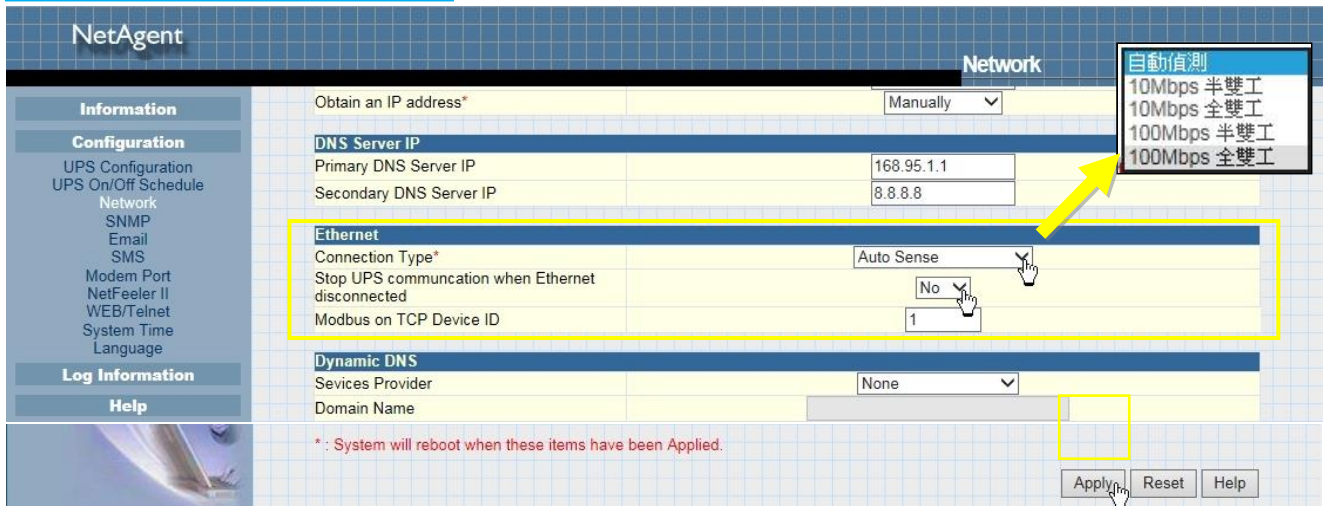
Stop UPS communication when Ethernet disconnected

This section is to set if to stop UPS communication when NetAgent disconnects with Ethernet

NetAgent 9 Mini & NetAgent 9



NetAgent Mini & NetAgent II





- Dynamic DNS

This is a free service that allows the user to alias a dynamic IP address to a static hostname. Ensure account/password has been registered from the DNS service provider

Service Provider

Dynamic DNS providers can be select from the list

Domain Name

This is the Domain Name you have created from the above selected DDNS provider

Login Name

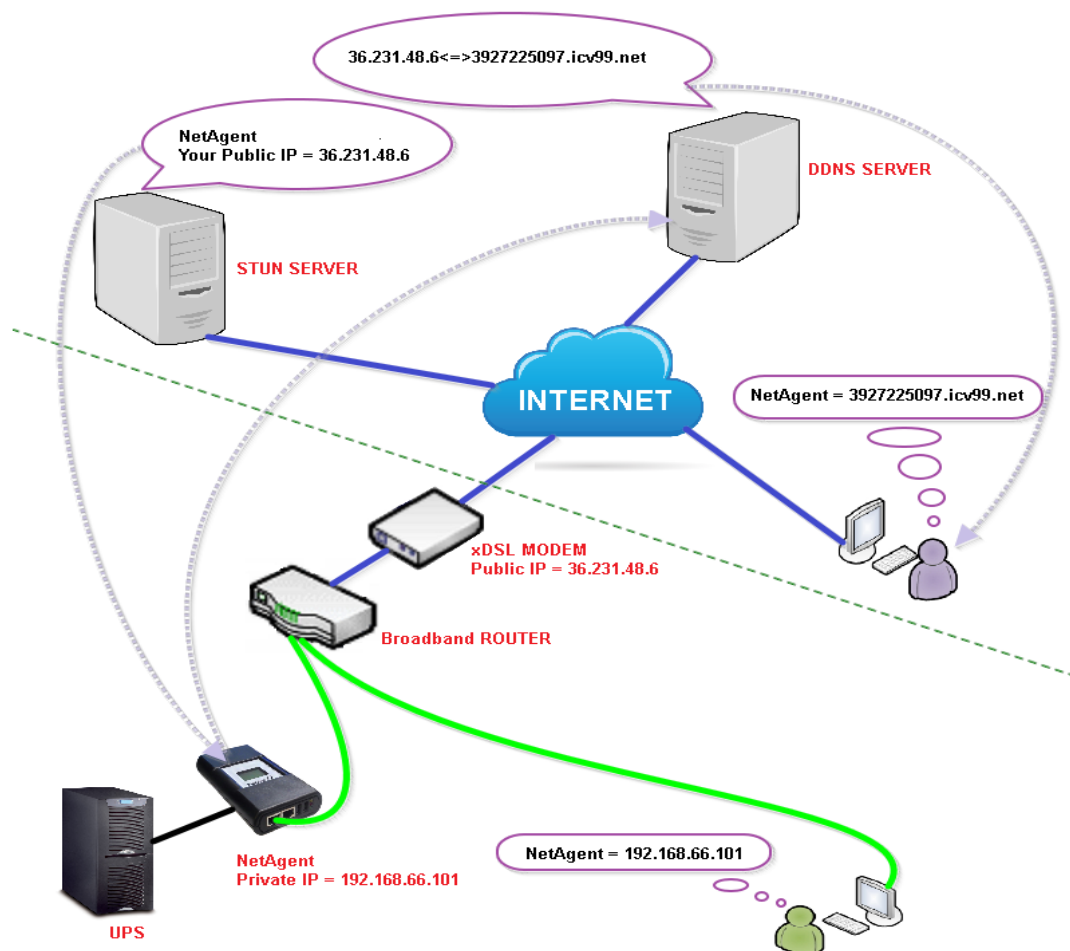
This is the Login / Account name that you have created with the selected DDNS provider.

Login Password:

Enter the Password you have assigned to your DDNS Account.

Use external STUN server to get Public IP to register

Choose **Yes** to ensure that NetAgent uses the WAN / Public IP to update the selected DDNS server



If to use icv99.net as Service Provide which host by Megatec, instruction asb elow:

1. Ensure NetAgent is able to connect to Internet. Select icv99.net from the drop down list of the Service Provider. The Domain Name and Login Name will automatically be fill-in with serial number of the device. Enter the password of the NetAgent which is printed on the NetAgent label, then click Apply.

### NetAgent 9 Mini & NetAgent 9

4.Registration complete

1.Select icv99.net

2. Enter password

3. Click Apply

Service Provider: icv99.net  
 Domain Name: 3927225097.icv99.net  
 Login Name: 3927225097  
 Login Password: [REDACTED]

Use external STUN server to get Public IP to register: No  
 Primary STUN Server IP: 211.167.53  
 Secondary STUN Server IP: [REDACTED]

Dynamic DNS dropdown options: None, 3322.org, dns.org, DynDNS(Dynamic), DynDNS(Custom), myddns.com, zive.org, freedns.org, icv99.net

NetAgent 9 Label: S/N: Y-3927225097 Model: BY50E, MAC: 00-03-EA-14-B2-E0, Password: 24931D03

### NetAgent Mini & NetAgent II

1.Select icv99.net

2. Enter Password

3. Click Apply

Dynamic DNS dropdown options: None, 3322.org, dns.org, DynDNS(Dynamic), DynDNS(Custom), myddns.com, zive.org, icv99.net

Dynamic DNS fields: Services Provider: icv99.net, Domain Name: 3926404591.icv99.net, Login Name: 3926404591, Login Password: [REDACTED]

Use external STUN server to get Public IP to register: Yes  
 Primary STUN Server IP: 211.21.67.53  
 Secondary STUN Server IP: [REDACTED]

NetAgent II Label: S/N: T-3926404591 Model: BT50E, MAC: 00-03-EA-08-2D-EF, Password: 2BB1ED12

- If using router, please login to router and direct IP and port number under virtual server for port forwarding. Kindly refer to router's manual

**Router Configuration**

**VIRTUAL SERVER**

PORT FORWARDING

APPLICATION RULES

QOS ENGINE

NETWORK FILTER

ACCESS CONTROL

WEBSITE FILTER

INBOUND FILTER

FIREWALL SETTINGS

ROUTING

ADVANCED WIRELESS

**VIRTUAL SERVER**

The Virtual Server option allows you to define a single public port on your router for redirection to an internal LAN IP Address and Private LAN port if required. This feature is useful for hosting online services such as FTP or Web Servers.

---

**24 -- VIRTUAL SERVERS LIST**

	Name	Application Name	Port	Traffic Type	Schedule
<input checked="" type="checkbox"/>	BY506	<< Application Name >>	Public Port 80	Protocol TCP	Schedule Always
	IP Address 192.168.66.101	<< Computer Name >>	Private Port 80	6	Inbound Filter Allow All

- After 20 minutes, NetAgent should be login with its DDNS Domain name

**NetAgent 9 Mini & NetAgent 9**

**NetAgent IX**

Information > Current Status

Input Status		Output Status	Battery Status
AC Status	Normal		
Input Line Voltage	220.1 V		
Input Max. Line Voltage	220.1 V		
Input Min. Line Voltage	220.1 V		
Input Frequency	50.0 Hz		

**NetAgent Mini & NetAgent II**

**NetAgent**

Current Status

Refresh status every 10 seconds

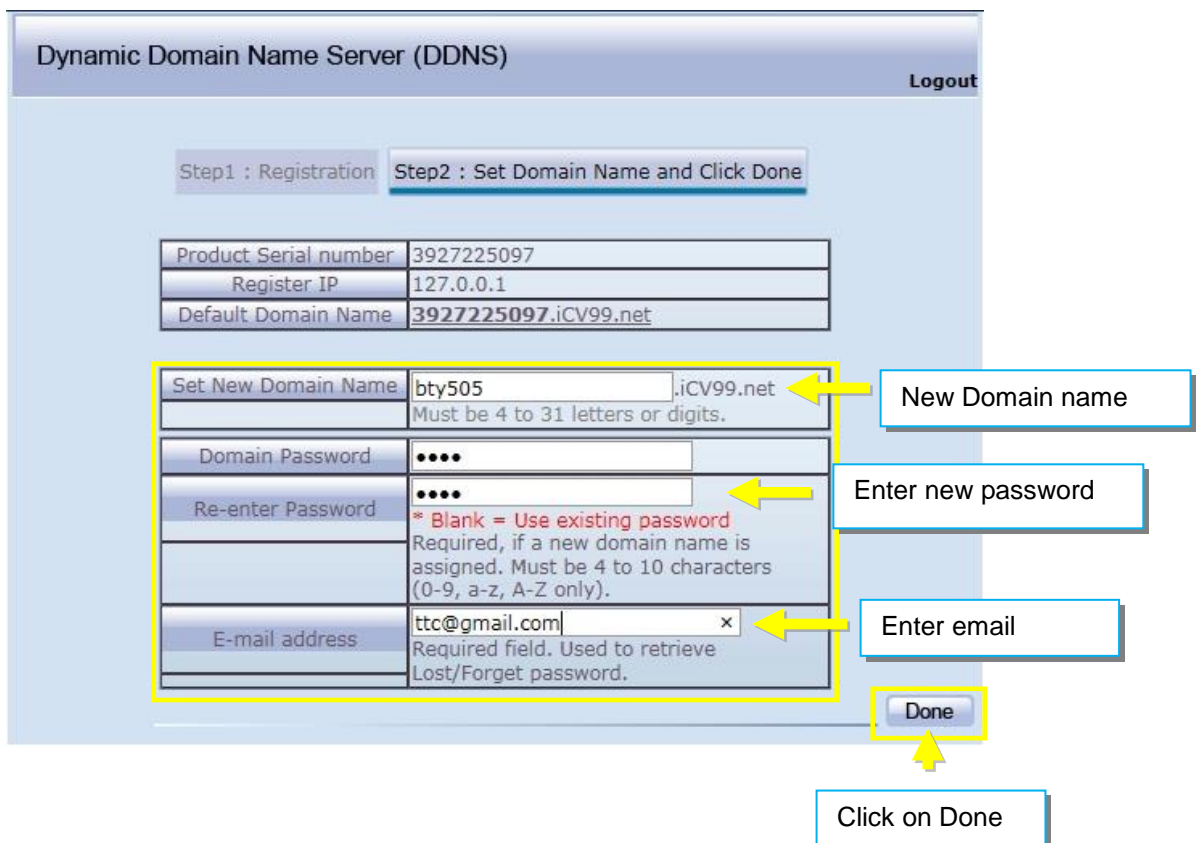
UPS Status	
UPS Status	UPS Normal

Input Status	
AC Status	Normal
Input Line Voltage	220.1 V
Input Max. Line Voltage	220.1 V
Input Min. Line Voltage	220.1 V
Input Frequency	50.0 Hz

Output Status	
Output Voltage	220.1 V
Output Status	Online
UPS load	10 %

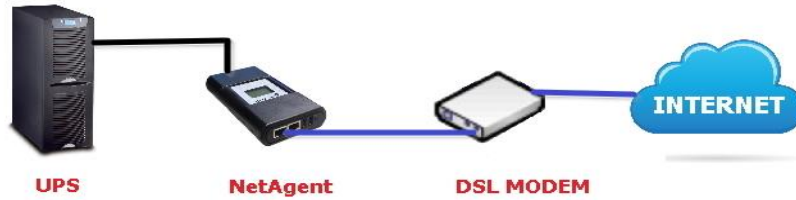
Battery Status	
Temperature	30.1 °C ( 86.1 °F )
Battery Status	Battery Normal
Battery Capacity	100 %
Battery Voltage	325.2 V
Time on Battery	00:00:00
Estimated Battery Remaining Time	00:00:00
UPS Last Self Test	--
UPS Next Self Test	--

4. To change domain name or password, please go to [www.icv99.net](http://www.icv99.net)



- PPPoE

Use this option to allow NetAgent to connect to the Internet directly using your xDSL modem by PPPoE. Enter the Login name and password to enable the connection. Once set-up, NetAgent will connect directly to the Internet, any abnormal connection failure would also cause to re-dial



**NetAgent 9 Mini & NetAgent 9**

Select Connect Always

Enter Login Name

Enter Password

Apply Reset Help

Information

Configuration

UPS Configuration

UPS On/Off Schedule

Network

Wireless

SNMP

Email

SMS

Web/Telnet

System Time

S/MC Modem

Configuration > Network

IPv4 IPv6 Ethernet Dynamic DNS PPPoE

When Connection should be made

Connect always

Login Name

87742936@hinet.net

Login Password

.....

**NetAgent Mini & NetAgent II**

Select Connect Always

Disabled Connect always

Enter Login Name

Enter Password

Apply Reset Help

Information

Configuration

UPS Configuration

UPS On/Off Schedule

Network

SNMP

Email

SMS

Modem Port

NetFeeler II

WEB/Telnet

System Time

Language

Log Information

Help

Network

Obtain an IP address\*

Using DHCP

DNS Server IP

Primary DNS Server IP

192.168.66.1

Secondary DNS Server IP

Ethernet

Connection Type\*

Auto Sense

Stop UPS communication when Ethernet disconnected

No

Modbus on TCP Device ID

1

Dynamic DNS

Services Provider

icv99.net

Domain Name

3926404591.icv99.net

Login Name

3926404591

Login Password

.....

Use external STUN server to get Public IP to register

Primary STUN Server IP

Secondary STUN Server IP

PPPoE

When Connection should be made

Connect always

Login Name

87742936@hinet.net

Login Password

.....

\*: System will reboot when these items have been Applied.

■ **Configuration > Wireless**

This is to configure Wireless network with USB wireless dongle. This feature only apply to NetAgent 9 model of BX and BY series. (USB wireless dongle is optional)  
 NetAgent 9 BX/BY models supports wireless encryption of Open system; Shared Key; WEP(64 /128 bit) / WPA / WPA2(TKIP/AES)

- Connect the compatible USB wireless dongle to BX/BY NetAgent



- Click on **【 Scan 】** to search for all the available AP. Select the AP, then enter its SSID, Authentication, WPA Encryption, WPA Key , then click on Apply

NetAgent 9 Mini & NetAgent 9

**Configuration > Wireless**

SSID	MAC Address	Network Security	Auth(Enc)	Signal(%)
<input type="radio"/> Megatec_Radius1	00:90:cc:f4:98:98	Secure Network	WPA(2) (AES )	📶
<input type="radio"/> DASAN_GONT	00:d0:cb:ef:06:22	Secure Network	WPA2-PSK (AES )	📶
<input checked="" type="radio"/> T1_WiFi	14:d6:4d:33:e9:62	Secure Network	WPA2-PSK (TKIP )	📶

**1. Scan** → **2. Select AP** → **3. Select Authentication** → **4. Select WPA** → **5. Enter WPA Key** → **6. Apply**

Configuration Form Fields:

- SSID: T1\_WiFi
- Authentication: WPA2-PSK
- WPA Encryption: TKIP
- WPA Key (8 to 64 characters): .....

Buttons: Scan, Select, Apply, Reset, Help

Configuration > Wireless

AP Setting | IPv4 | IPv6

SSID	MAC Address	Network Security	Auth(Enc)	Signal(%)
<input type="radio"/> Megatec_Radius1	00:90:cc:f4:98:98	Secure Network	WPA(2) (AES )	
<input type="radio"/> DASAN_GONT	00:d0:cb:ef:06:22	Secure Network	WPA2-PSK (AES )	
<input checked="" type="radio"/> T1_WiFi	14:d6:4d:33:e9:62	Secure Network(Connected)	WPA2-PSK (TKIP )	

Scan Select

7. Connected

SSID: T1\_WiFi

Authentication: WPA2-PSK

WPA Encryption: TKIP

WPA Key (8 to 64 characters): .....

Apply Reset Help

Connection Information can be check from **【Information】 > 【System Status】 > 【Wireless Status】**

Information > System Status

System Information | Network Status | **Wireless Status**

Ethernet		General	
MAC Address	54:E6:FC:90:17:EC	Primary DNS Server	192.168.66.1
		Secondary DNS Server	

IPv4		IPv6	
IP Address	192.168.66.103	IP Address	
Subnet Mask	255.255.255.0	LinkLocal Address	fe80::56e6:fcff:fe90:17ec/64
Gateway	192.168.66.1	Gateway	

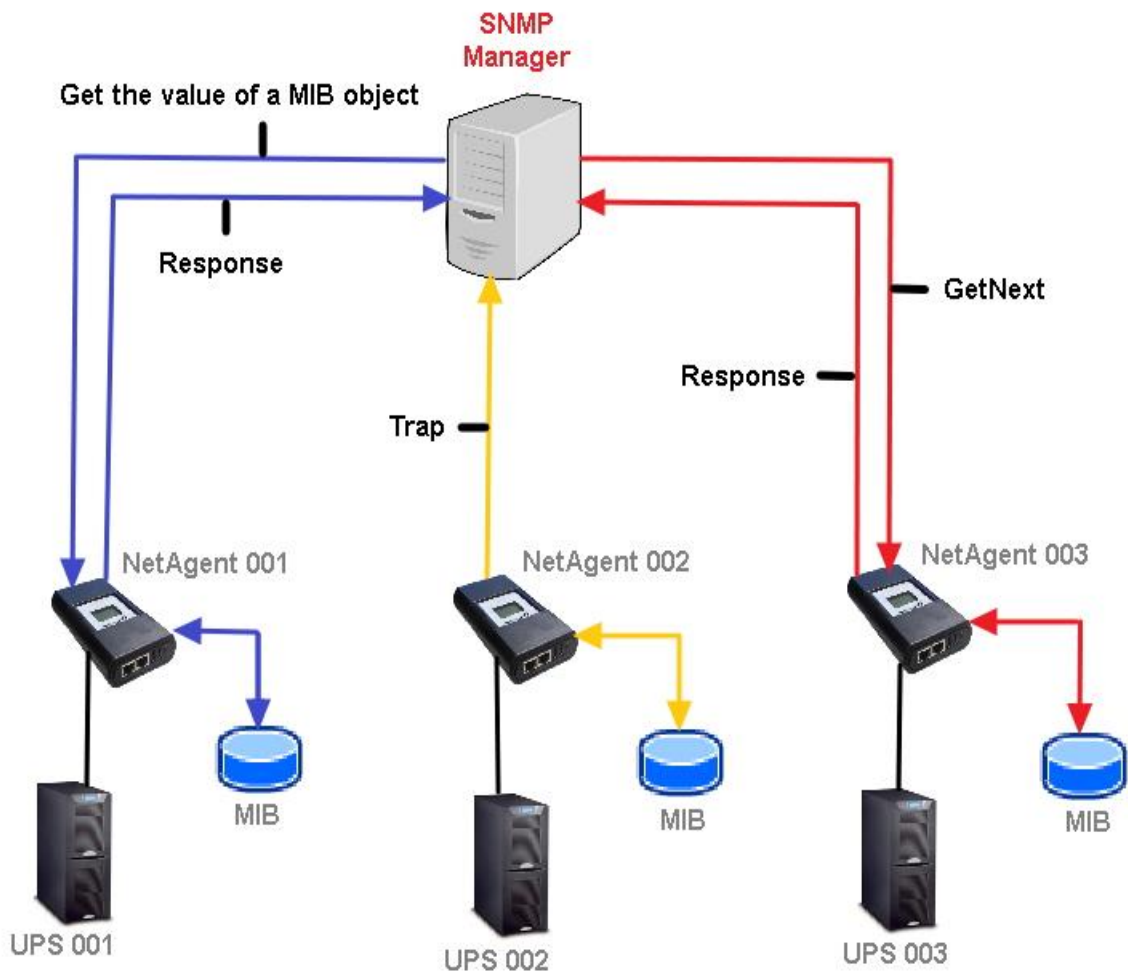
Help

■ Configuration > SNMP

This page is to set NetAgent SNMP settings so it can be used by a NMS ( Network Management System). (e.g: SNMPView, it can be available on the NetAgent Utility CD.)

SNMP version supported by NetAgent type

	SNMP V1	SNMP V2	SNMP V3
NetAgent 9 & Mini	✓	✓	✓
NetAgent II & Mini	✓	✓	





- General

### MIB System

#### System Name

This section is to give a name to the NetAgent.

#### System Contact

This section is to give a name to the administrator.

#### System Location

This section is to set NetAgent location.

### SNMP UDP Port

#### NetAgent SNMP Port :

The port that NetAgent receive and send SNMP command. (Default is 161)

#### Trap Receive Port :

The port to receive trap. (Default is 162)

### SNMPv3 Engine ID

#### SNMPv3 Engine ID Format Type :

When using SNMPv3, NetAgent requires to have its Engine ID for identification to generates authentication and encryption key . Format type can be select from the drop down list with option of MAC Address / IPv4 / IPv6 / Manual

✳Once click on Apply, NetAgent will reboot

#### SNMPv3 Engine ID Text :

SNMPv3 Engine ID content

## NetAgent 9 Mini & NetAgent 9

The screenshot displays the configuration page for NetAgent 9, specifically the SNMP settings. The interface is divided into a left sidebar and a main content area. The sidebar contains sections for 'Information', 'Configuration', 'Log Information', and 'Help'. The 'Configuration' section is expanded, showing various settings like UPS, Network, SNMP, Email, SMS, Web/Telnet, System Time, SMS Modem, NetSwitch, NetFeeler, Modbus, and Language. The main content area is titled 'Configuration > SNMP' and has four tabs: 'General', 'Access Control', 'Trap Notification', and 'Device Connected'. The 'General' tab is active, showing the following fields:

- MIB System:**
  - System Name: UPS Agent
  - System Contact: Administrator
  - System Location: My Office
- SNMP UDP Port:**
  - NetAgent SNMP Port: 161
  - Trap Receive Port: 162
- SNMPv3 Engine ID:**
  - SNMPv3 Engine ID Format Type\*: MAC Address (selected from a dropdown)
  - SNMPv3 Engine ID Text: 80003461030003ea14b309

At the bottom of the main content area, there is a red asterisk warning: '\* : System will reboot when these items have been Applied.' Below this warning are three buttons: 'Apply', 'Reset', and 'Help'.

## NetAgent Mini & NetAgent II

- Access Control

### Manager IP Address :

This is to set the IP address that the administrator can manage NetAgent from. It is valid for up to 8 IP addresses. To manage NetAgent from any IP address, enter \*.\*.\*.\* into **Manager IP address**.

### Version:

This is to select between SNMPv1& SNMPv2 or SNMPv3 (SNMPv3 only applies to NetAgent 9 series) When select All and V3, user name, password, authentication and privacy are required

### Community :

This section is to set a Community name for NMS. The community name has to be as the same as the setting in NMS. (Default is public)

### Permission :

This is to set authorities of administrators. Options are Read, Read/Write, and No Access.

### Description :

This is to make note for administrator's reference

## NetAgent 9 Mini & NetAgent 9

## NetAgent Mini & NetAgent II

The screenshot shows the NetAgent configuration interface for SNMP. The 'Access Control' section is highlighted with a yellow box. It contains a table with the following data:

Manager IP Address	Community	Permission	Description
192.168.66.2	public	Read/Write	2F
192.168.66.88	public	Read/Write	
192.168.66.86	public	Read/Write	
192.168.66.105	public	Read/Write	
192.168.66.128	public	Read/Write	6F
192.168.66.147	public	Read/Write	
192.168.66.211	public	Read/Write	
****	public	Read	

Below the table, there are three buttons: 'Apply', 'Reset', and 'Help'. The 'Apply' button is highlighted with a yellow box.

- Trap Notification

### Trap Notification

#### Destination IP Address :

To set receivers IP address for receiving traps sent by NetAgent. It is valid for up to 8 IP Addresses.

#### Accept :

Select the trap type of its SNMP version or Inform from drop down list. When SNMPv3 trap or SNMPv3 Inform is selected, username/password and authentication information are required.

#### Community :

Trap receiver and NetAgent must be same community. (Default is public)

#### Trap Type :

Select from PPC MIB or RFC1628 MIB (Default is PPC)

✳MIB file is available in the CD provided with NetAgent

#### Severity :

This section is to set Trap level for each receiver. There are three levels as below

- Information: To receive all traps.
- Warning: To receive only “warning” and “severe” traps.
- Severe: To receive only “severe” traps.  
( Please refer to NMS manual for Trap levels.)

#### Description :

This is to make note for administrator’s reference

#### Events :

This is to select events for NetAgent to send traps. Click on Select to show the full Events List. Click on Test to send test trap to ensure all setting is correct

Send Power Restore and Adaptor Restore Traps for X time(s) in X second(s) Interval.

This is to set number of trap to send in preset second when power restore on NetAgent. This is to check if the communication between trap receiver and NetAgent remains well or not after power recovers

**SNMP Inform Request**

This is to set the number of times that the NetAgent can request a response from the sending Inform host with a preset value . (Default is 3 times and an interval of 5 seconds)

**NetAgent 9 Mini & NetAgent 9**

**Configuration > SNMP**

General | Access Control | **Trap Notification** | Device Connected

Destination IP	Accept	Community	Trap Type	Severity	Description	Events
192.168.66.12	SNMPv3 Trap	public	PPC	Information	IDC	Select Test
192.168.66.28	SNMPv1 Trap	public	PPC RFC1628	Information	8F IDC	Select Test
192.168.66.45	SNMPv2 Trap	public	PPC	Warning	7F IDC	Select Test
192.168.66.67	SNMPv2 Inform	public	PPC	Severe	8F IDC	Select Test
192.168.66.70	SNMPv2 Trap	public	PPC	Warning	9F IDC	Select Test
192.168.66.101	SNMPv2 Inform	public	PPC	Severe	10F IDC	Select Test
192.168.66.211	SNMPv4 Trap	public	PPC	Warning	11F IDC	Select Test
192.168.66.234	SNMPv3 Inform	public	PPC	Information	12F IDC	Select Test

Send Power Restore and Adapter Restore Traps for 2 time(s) in 5 second(s) interval.

**SNMP Inform Request**

Number of Retries: 3  
Timeout (sec): 5

Apply Reset Help

**SNMPv3 Trap Settings**

User Name: admin1028

Authentication Protocol: MD5

Authentication Password: .....

Privacy Protocol: DES

Privacy Password: .....

None  
MD5  
SHA

Apply Reset

**Select Event**

UPS Events | NetFeeler II

Schedule Shutdown Event	YES	NO
UPS Failure	<input checked="" type="radio"/>	<input type="radio"/>
UPS entering Test mode	<input checked="" type="radio"/>	<input type="radio"/>
UPS entering Sleeping mode	<input checked="" type="radio"/>	<input type="radio"/>
UPS entering Boost mode	<input checked="" type="radio"/>	<input type="radio"/>
UPS Load Overrun	<input checked="" type="radio"/>	<input type="radio"/>
UPS Communication Loss	<input checked="" type="radio"/>	<input type="radio"/>
Turn Off UPS	<input checked="" type="radio"/>	<input type="radio"/>
AC Power Failed	<input checked="" type="radio"/>	<input type="radio"/>
UPS Battery Low	<input checked="" type="radio"/>	<input type="radio"/>
UPS Temperature Overrun	<input checked="" type="radio"/>	<input type="radio"/>
UPS Capacity Underrun	<input checked="" type="radio"/>	<input type="radio"/>
UPS entering Bypass mode	<input checked="" type="radio"/>	<input type="radio"/>

Select All Clear All Apply

# NetAgent Mini & NetAgent II

**SNMP**

192.168.66.211 public Read/Write  
\*\*\*\* public Read

Destination IP Address	Community	Trap Type	Severity	Accept	Description	Events
192.168.66.12	public	PPC	Information	SNMPv1 Trap	5F IDC	Select Test
192.168.66.28	public	RFC1628	Warning	SNMPv2 Trap	6F IDC	Select Test
192.168.66.45	public	PPC	Severe	SNMPv2 Inform	7F IDC	Select Test
192.168.66.67	public	PPC	Information	SNMPv1 Trap	8 IDC	Select Test
192.168.66.70	public	PPC	Warning	SNMPv2 Trap	9 IDC	Select Test
192.168.66.33	public	PPC	Severe	SNMPv2 Inform	10 IDC	Select Test
192.168.66.90	public	PPC	Information	SNMPv2 Trap	11 IDC	Select Test
192.168.66.17	public	PPC	Information	SNMPv2 Inform	12 IDC	Select Test

Send Power Restore and Adapter Restore Traps for 2 time(s) in 5 second(s) interval.

**SNMP Inform Request**

Number of Retries: 3 Timeout (sec): 5

**Device Connected**

Device	Rating (%)	Connected
	0	NO
	0	NO
	0	NO
	0	NO

**SNMP UDP Port**

NetAgent SNMP Port\* Trap Receive Port\*

\* : System will reboot when this item has been Applied.

Apply Reset Help

UPS Events	Yes	No
Schedule Shutdown Event	<input checked="" type="radio"/>	<input type="radio"/>
UPS Failure	<input checked="" type="radio"/>	<input type="radio"/>
UPS entering Test mode	<input checked="" type="radio"/>	<input type="radio"/>
UPS entering Sleeping mode	<input checked="" type="radio"/>	<input type="radio"/>
UPS entering Boost mode	<input checked="" type="radio"/>	<input type="radio"/>
UPS Load Overrun	<input checked="" type="radio"/>	<input type="radio"/>
UPS Communication Lost	<input checked="" type="radio"/>	<input type="radio"/>
Turn Off UPS	<input checked="" type="radio"/>	<input type="radio"/>
AC Power Failed	<input checked="" type="radio"/>	<input type="radio"/>
UPS Battery Low	<input checked="" type="radio"/>	<input type="radio"/>
UPS Temperature Overrun	<input checked="" type="radio"/>	<input type="radio"/>
UPS Capacity Underrun	<input checked="" type="radio"/>	<input type="radio"/>
UPS entering Bypass mode	<input checked="" type="radio"/>	<input type="radio"/>
NetFeeler II	Yes	No
Smoke Alarm	<input checked="" type="radio"/>	<input type="radio"/>
Water Alarm	<input checked="" type="radio"/>	<input type="radio"/>
Gas Alarm	<input checked="" type="radio"/>	<input type="radio"/>
Security Alarm	<input checked="" type="radio"/>	<input type="radio"/>
Environmental Temperature Overrun	<input checked="" type="radio"/>	<input type="radio"/>
Environmental Temperature Underrun	<input checked="" type="radio"/>	<input type="radio"/>
Environmental Humidity Overrun	<input checked="" type="radio"/>	<input type="radio"/>
Environmental Humidity Underrun	<input checked="" type="radio"/>	<input type="radio"/>

Select All Clear All Apply

- Device Connected

This section is to set the usage power and connection status of other devices which connects to the same UPS as NetAgent uses.

### NetAgent 9 Mini & NetAgent 9

The screenshot shows the 'Configuration > SNMP' page with the 'Device Connected' tab selected. The left sidebar contains navigation options: Information, Configuration (with sub-items: UPS Configuration, UPS On/Off Schedule, Network, SNMP, Email, SMS, Web/Telnet, System Time, SMS Modem, NetSwitch, NetFeeler, Modbus, Language), Log Information, and Help.

The main content area displays a table with the following data:

	Device	Rating (%)	Connected
1	EPSON PRINTER	25	YES
2	ACER LCD	15	YES
3	ASUS i5 PC	20	YES
4	HP i5 PC	20	YES

Buttons for 'Apply', 'Reset', and 'Help' are located at the bottom right of the table area.

### NetAgent Mini & NetAgent II

The screenshot shows the 'NetAgent' configuration page for 'SNMP'. The left sidebar contains navigation options: Information, Configuration (with sub-items: UPS Configuration, UPS On/Off Schedule, Network, SNMP, Email, SMS, Modem Port, NetFeeler II, WEB/Telnet, System Time, Language), Log Information, and Help.

The main content area displays a table with the following data:

Destination IP Address	Community	Trap Type	Severity	Trap	Description	Actions
192.168.66.12	public	PPC	Information	SNMPv1 Trap	5F IDC	Select Test
192.168.66.28	public	RFC1628	Warning	SNMPv2 Trap	6F IDC	Select Test
192.168.66.45	public	PPC	Severe	SNMPv2 Inform	7F IDC	Select Test
192.168.66.67	public	PPC	Information	SNMPv1 Trap	8 IDC	Select Test
192.168.66.70	public	PPC	Warning	SNMPv2 Trap	9 IDC	Select Test
192.168.66.33	public	PPC	Severe	SNMPv2 Inform	10 IDC	Select Test
192.168.66.90	public	PPC	Information	SNMPv2 Trap	11 IDC	Select Test
192.168.66.17	public	PPC	Information	SNMPv2 Inform	12 IDC	Select Test

Send Power Restore and Adapter Restore Traps for 2 time(s) in 5 second(s) interval.

**SNMP Inform Request**

Number of Retries: 3      Timeout (sec): 5

**Device Connected**

Device	Rating (%)	Connected
EPSON PRINTER	25	YES
ACER LCD	15	YES
ASUS i5 PC	20	YES
HP i5 PC	20	YES

**SNMP UDP Port**

NetAgent SNMP Port\*: 161      Trap Receive Port\*: 162

\* : System will reboot when this item has been Applied.

Buttons for 'Apply', 'Reset', and 'Help' are located at the bottom right.

■ **Configuration > Email**

To send email notification when event occurs or data log

● **Email Setting**

Email Server:

Enter the address of email server

Email Port:

Email Port that use for sending email

Enable SSL on Email Transmission:

Select SSL type for email transmission

Type of encryption that NetAgent model supports

	SSL	TLS	STARTTLS
NetAgent 9 & Mini	✓	✓	✓
NetAgent II DT/CT/BT	✓		

Sender's Email Address :

To enter the email address that for sending email

Email Server Requires Authentication :

If such email server requires authentication or not

Account name :

If authentication is required, enter its account name

Password :

If authentication is required, enter its password

Sending Test Mail :

Enter email address to check all configuration is correct or not to receiving mail

# NetAgent 9 Mini & NetAgent 9

Configuration > Email

Email Setting | Email for Event Log | Email for Daily Report

Email Server: smtp.gmail.com

Email Port: 465

Enable SSL on Email Transmission: SSL/TLS

Sender's Email Address: ttc@gmail.com

Email Server Requires Authentication: YES

Account Name: ttc

Password: [REDACTED]

Sending test mail: [REDACTED] Test Mail

Apply | Reset | Help

Configuration > Email

Email Setting | Email for Event Log | Email for Daily Report

Email Server: smtp.gmail.com

Email Port: 465

Enable SSL on Email Transmission: SSL/TLS

Sender's Email Address: ttc@gmail.com

Email Server Requires Authentication: YES

Account Name: ttc

Password: [REDACTED]

Sending test mail: ttc2@gmail.com Test Mail

Apply | Reset | Help

NetAgent IX

Latest Events

[08:19:06] Mail has been sent

Mail Sent

Test Email Received

UPS Agent(192.168.66.106): This is a test email

ttc@gmail.com <ttc@gmail.com>

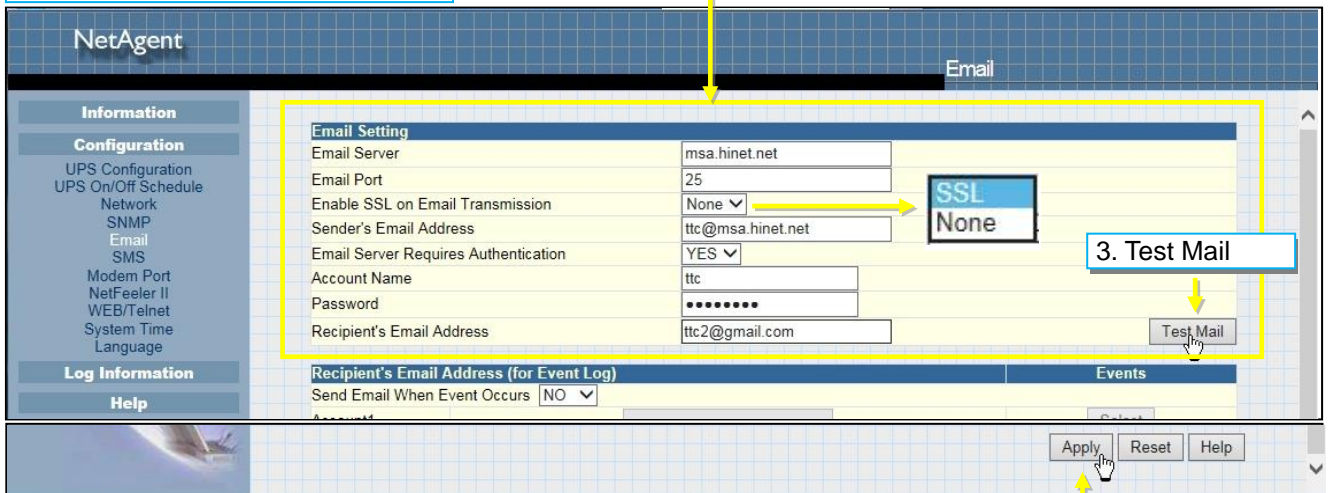
寄給我

If you received this test mail, it means that your mail settings are correct.



## NetAgent Mini & NetAgent II

1. Enter Mail Server



The screenshot shows the NetAgent configuration interface for email settings. The 'Email Setting' section is highlighted with a yellow box. The fields are as follows:

Field	Value
Email Server	msa.hinet.net
Email Port	25
Enable SSL on Email Transmission	None
Sender's Email Address	ttc@msa.hinet.net
Email Server Requires Authentication	YES
Account Name	ttc
Password	*****
Recipient's Email Address	ttc2@gmail.com

Annotations include a yellow arrow pointing to the 'Email Server' field, a blue box labeled 'SSL None' with an arrow pointing to the 'Enable SSL on Email Transmission' dropdown, and a blue box labeled '3. Test Mail' with an arrow pointing to the 'Test Mail' button. At the bottom right, there are 'Apply', 'Reset', and 'Help' buttons, with a yellow arrow pointing to the 'Apply' button.

2. Click on Apply

Test Email Received



- Email for Event Log (To receive email notification)

To set email addresses to receive warning email sent by NetAgent when selected event occurs. It is valid for up to 8 Email addresses.

### NetAgent 9 Mini & NetAgent 9

**Configuration > Email**

Email Setting | **Email for Event Log** | Email for Daily Report

Send Email When Event Occurs: YES

Account1	afra@gmail.com.tw	Select
Account2	dawn@yahoo.com.tw	Select
Account3	eli@zoho.com	Select
Account4	hugo@gmail.com	Select
Account5	toby@gmail.com	Select
Account6	novia@supa.com	Select
Account7	ira@gmail.com	Select
Account8	elma.lee@msa.hinet.net	Select

Apply | Reset | Help

**Select Event**

UPS Events	NetFeeler II	YES	NO
Schedule Shutdown Event		<input checked="" type="radio"/>	<input type="radio"/>
UPS Failure		<input checked="" type="radio"/>	<input type="radio"/>
UPS entering Test mode		<input checked="" type="radio"/>	<input type="radio"/>
UPS entering Sleeping mode		<input checked="" type="radio"/>	<input type="radio"/>
UPS entering Boost mode		<input checked="" type="radio"/>	<input type="radio"/>
UPS Load Overrun		<input checked="" type="radio"/>	<input type="radio"/>
UPS Communication Lost		<input checked="" type="radio"/>	<input type="radio"/>
Turn Off UPS		<input checked="" type="radio"/>	<input type="radio"/>
AC Power Failed		<input checked="" type="radio"/>	<input type="radio"/>
UPS Battery Low		<input checked="" type="radio"/>	<input type="radio"/>
UPS Temperature Overrun		<input checked="" type="radio"/>	<input type="radio"/>
UPS Capacity Underrun		<input checked="" type="radio"/>	<input type="radio"/>
UPS entering Bypass mode		<input checked="" type="radio"/>	<input type="radio"/>
<b>NetFeeler II</b>			
Smoke Alarm		<input checked="" type="radio"/>	<input type="radio"/>
Water Alarm		<input checked="" type="radio"/>	<input type="radio"/>
Gas Alarm		<input checked="" type="radio"/>	<input type="radio"/>
Security Alarm		<input checked="" type="radio"/>	<input type="radio"/>
Environmental Temperature Overrun		<input checked="" type="radio"/>	<input type="radio"/>
Environmental Temperature Underrun		<input checked="" type="radio"/>	<input type="radio"/>
Environmental Humidity Overrun		<input checked="" type="radio"/>	<input type="radio"/>
Environmental Humidity Underrun		<input checked="" type="radio"/>	<input type="radio"/>

Select All | Clear All | Apply

### NetAgent Mini & NetAgent II

**NetAgent**

Information | Configuration | Log Information | Help

**Email**

Sender's Email Address: tt@msa.hinet.net

Email Server Requires Authentication: YES

Account Name: ttc

Password: .....

Recipient's Email Address: [ ] Test Mail

Send Email When Event Occurs: YES

Account	Recipient's Email Address (for Event Log)	Events
Account1	afra@gmail.com.tw	Select
Account2	dawn@yahoo.com.tw	Select
Account3	eli@zoho.com	Select
Account4	hugo@gmail.com	Select
Account5	toby@gmail.com	Select
Account6	novia@supa.com	Select
Account7	ira@gmail.com	Select
Account8	elma.lee@msa.hinet.net	Select

套用 | 清除 | 幫助

- Email for Daily Report (To receive daily report)

This section is to set Email Addresses to receive NetAgent's Daily Report at preset time. It is valid for up to 4 Email addresses. Daily report with content of event and data log.

With NetAgent series, option is available if to send email when event or data log overflows to 500 logs

### NetAgent 9 Mini & NetAgent 9

The screenshot shows the 'Configuration > Email' section with the 'Email for Daily Report' tab selected. The interface includes a left-hand navigation menu with categories like Information, Configuration, Log Information, and Help. The main configuration area contains the following fields:

- Account1:
- Account2:
- Account3:
- Account4:
- Send Email for Daily Report (hh:mm): YES at 23:59

At the bottom right, there are three buttons: 'Apply' (highlighted with a yellow box), 'Reset', and 'Help'.

### NetAgent Mini & NetAgent II

The screenshot shows the 'NetAgent' configuration interface for 'Email'. The left-hand navigation menu includes Information, Configuration, Log Information, and Help. The main configuration area includes the following fields and sections:

- Sender's Email Address:
- Email Server Requires Authentication: YES
- Account Name:
- Password:
- Recipient's Email Address:
- Test Mail button
- Recipient's Email Address (for Event Log) table:
 

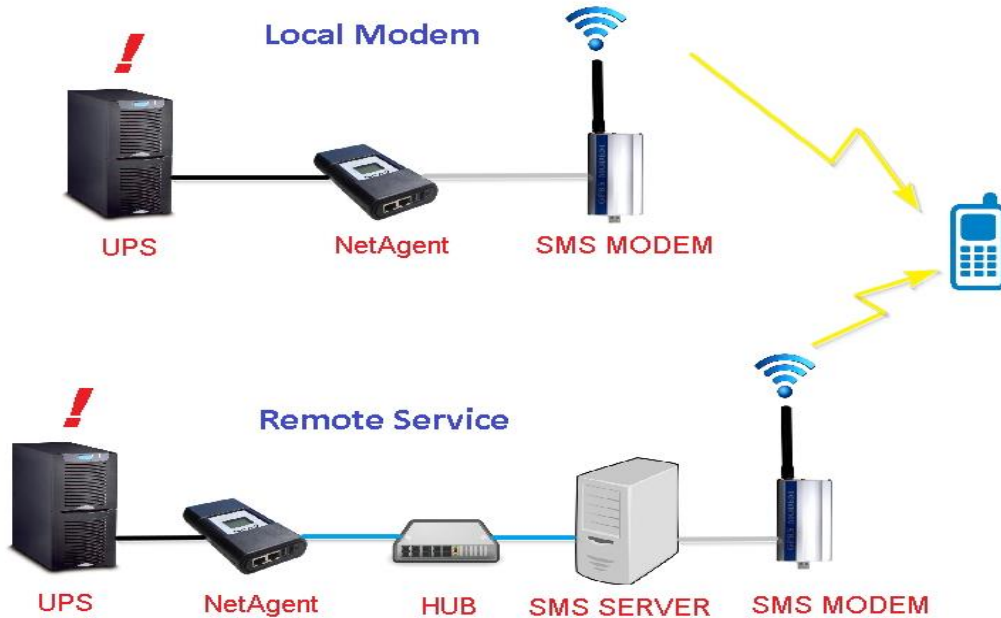
Account	Email Address	Events
Account1	<input type="text" value="afra@gmail.com.tw"/>	Select
Account2	<input type="text" value="dawn@yahoo.com.tw"/>	Select
Account3	<input type="text" value="eli@zoho.com"/>	Select
Account4	<input type="text" value="hugo@gmail.com"/>	Select
Account5	<input type="text" value="toby@gmail.com"/>	Select
Account6	<input type="text" value="novia@supa.com"/>	Select
Account7	<input type="text" value="ira@gmail.com"/>	Select
Account8	<input type="text" value="elma.lee@msa.hinet.net"/>	Select
- Send Email When Event Occurs: YES
- Recipient's Email Address (for Daily Report) table:
 

Account1	<input type="text" value="afra@gmail.com.tw"/>
Account2	<input type="text" value="dawn@yahoo.com.tw"/>
Account3	<input type="text" value="novia@supa.com"/>
Account4	<input type="text" value="elma.lee@msa.hinet.net"/>
- Send Email for Daily Report (hh:mm): YES at 23:59
- Send Email when Event Log overflows (500 records): YES
- Send Email when Data Log overflows (500 records): YES

At the bottom right, there are three buttons: 'Apply' (highlighted with a yellow box), 'Reset', and 'Help'.

## ■ Configuration > SMS

When UPS events occurs, it allows Short Message Signals (“SMS”) to be sent and received using a GSM/GPRS/CDMA Modem. Operation information are as below for single and three ports of NetAgent.



### ● SMS Setting :

#### Send SMS When Event Occurs:

- Disable : No SMS Service
- Use Local Modem : When GSM modem is connected to NetAgent directly  
(Refer to SMS Modem section for its installation)
- Use Remote Service : When GSM modem connects to PC with SMS Server software installed  
(Refer to SMS Server section for SMS Server Software installation)

#### SMS Server :

If select to use Remote Service to send SMS, then enter the IP address of the SMS Server. (The PC that installed SMS Server Software)

#### SMS Port :

If select to use Remote Service to send SMS, enter the port number that SMS Server uses for sending SMS. (Port 80 is default)

#### Account Name :

If select to use Remote Service to send SMS, enter SMS Server’s account name if required

#### Password :

If select to use Remote Service to send SMS, enter SMS Server’s password if required

#### Sending test SMS :

When modem and configuration are ready, enter a mobile number to receive testing SMS

## NetAgent 9 Mini & NetAgent 9

**Local Modem**

Configuration > SMS

SMS Setting Mobile for Event Log

Disable Use Local Modem Use Remote Service

Send SMS When Event Occurs Use Local Modem

SMS Server

SMS Port 80

Account Name

Password

Sending test SMS 0955956637 Test SMS

1. Select Local Modem

2. Click Apply

3. Enter Mobile Number

4. Send Test SMS

Apply Reset Help

**Remote Service**

Configuration > SMS

SMS Setting Mobile for Event Log

Disable Use Local Modem Use Remote Service

Send SMS When Event Occurs Use Remote Service

SMS Server 192.168.66.101

SMS Port 80

Account Name ttc

Password .....

Sending test SMS 0955956637 Test SMS

1. Select Remote Service

2. Click Apply

3. Enter Mobile Number

4. Send Test SMS

Apply Reset Help

## NetAgent Mini & NetAgent II

**Local Modem**

NetAgent

SMS

Information

Configuration

UPS Configuration

UPS On/Off Schedule

Network

SNMP

Email

SMS

Modem Port

NetFeeler II

WEB/Telnet

System Time

Language

Log Information

Help

SMS Settings

Send SMS When Event Occurs Use Local Modem

SMS Server

SMS Server Port 80

Account Name

Password

Sending test SMS 0955956637 Test SMS

Receiver cellular number(for Event Log)

Events

Cellular Phone number 1 Select

Cellular Phone number 2 Select

Cellular Phone number 3 Select

**Remote Service**

NetAgent

SMS

Information

Configuration

UPS Configuration

UPS On/Off Schedule

Network

SNMP

Email

SMS

Modem Port

NetFeeler II

WEB/Telnet

System Time

Language

Log Information

Help

SMS Settings

Send SMS When Event Occurs Use Remote Service

SMS Server 192.168.66.101

SMS Server Port 80

Account Name ttc

Password .....

Sending test SMS 0955956637 Test SMS

Receiver cellular number(for Event Log)

Events

Cellular Phone number 1 Select

Cellular Phone number 2 Select

Cellular Phone number 3 Select

- Mobile for Event Log

To set the recipient's mobile number for SMS notification when event or NetFeeler event occurs. A total of 8 mobile numbers can be assign.

### NetAgent 9 Mini and NetAgent 9

The screenshot shows the NetAgent 9 configuration interface. The left sidebar contains a navigation menu with options like Information, Configuration, Log Information, and Help. The main area is titled 'Configuration > SMS' and 'SMS Setting Mobile for Event Log'. It features a table for assigning 8 cellular phone numbers, each with a 'Select' button. Below this is a 'Select Event' dialog box with two tabs: 'UPS Events' and 'NetFeeler II'. The 'UPS Events' tab is active, showing a list of events with radio buttons for 'YES' and 'NO' selection. A separate inset shows a detailed view of the 'UPS Events' and 'NetFeeler II' sections, listing events such as 'Schedule Shutdown Event', 'UPS Failure', 'Smoke Alarm', 'Water Alarm', 'Gas Alarm', 'Security Alarm', 'Environmental Temperature Overrun', 'Environmental Temperature Underrun', 'Environmental Humidity Overrun', and 'Environmental Humidity Underrun'. Each event has radio buttons for 'Yes' and 'No' selection. Buttons for 'Select All', 'Clear All', and 'Apply' are visible at the bottom of the dialog.

### NetAgent II and NetAgent Mini

The screenshot shows the NetAgent II configuration interface. The left sidebar contains a navigation menu with options like Information, Configuration, Log Information, and Help. The main area is titled 'NetAgent' and 'SMS Settings'. It features a form for configuring SMS settings, including 'Send SMS When Event Occurs' (set to 'Use Local Modem'), 'SMS Server' (192.168.66.103), 'SMS Server Port' (80), 'Account Name', 'Password', and 'Sending test SMS' (0955956637). Below this is a 'Receiver cellular number(for Event Log)' table with 8 rows, each containing a phone number and a 'Select' button. A separate inset shows a detailed view of the 'Receiver cellular number' table, listing the same 8 phone numbers as in the previous screenshot. A yellow arrow points from the 'Select' button in the inset to the 'Select' button in the main table. Buttons for 'Apply', 'Reset', and 'Help' are visible at the bottom of the main configuration area.

## ■ Configuration > Web/Telnet

To set permission for each user account for Web and Telnet access. It is valid for up to 8 users.

### ● User account

#### User Name :

To set password for NetAgent Web and Telnet access.

#### Password :

To set password for NetAgent Web and Telnet access.

#### Permission :

To set No Access / Read/ Read&Write)

☀ Permission Rule : At least one user account must be Read/Write

☀ Permission Rule : User name with Read and Write cannot be blank

#### IP Filter :

Only specific IP address could login to NetAgent

☀ \*.\*.\*.\* means any IP address

Auto Logoff after Idle for  minute (s). ( 0 is disabled)

NetAgent webpage will be logoff automatically if it idle for the preset value.

NetAgent 9 Mini & NetAgent 9

The screenshot shows the NetAgent 9 configuration interface. The left sidebar contains navigation options: Information, Configuration, and Log Information. The main area is titled 'Configuration > Web / Telnet' and has tabs for 'User Account', 'SSL Information', and 'RADIUS Server Settings'. The 'User Account' tab is active, displaying a table of user accounts with columns for User Name, Password, Permission, and IP Filter. Below the table is an 'Auto LogOff after idle for' field set to 3 minutes. A yellow box highlights the 'Permission' column and the 'Auto LogOff' field. A yellow arrow points from the 'Permission' column to a callout box showing 'No Access', 'Read', and 'Read/Write' options. Another yellow arrow points from the 'Auto LogOff' field to a Windows Security dialog box. The dialog box displays a warning about basic authentication and prompts for a user name and password. The 'Caps Lock is on' indicator is visible at the bottom of the dialog box.

User Name	Password	Permission	IP Filter
tony	.....	Read/Write	****
rex	.....	Read/Write	****
novia		Read	****
elma		Read/Write	****
toby	.....	Read	192.168.66.86
ira	.....	Read/Write	192.168.66.108
cynthia	.....	Read/Write	192.168.66.33
		No Access	****

Auto LogOff after idle for  minute(s) (0: Disable)

Windows Security

The server 192.168.66.103 is asking for your user name and password. The server reports that it is from 0:b.41e23d47.

Warning: Your user name and password will be sent using basic authentication on a connection that isn't secure.

User name:

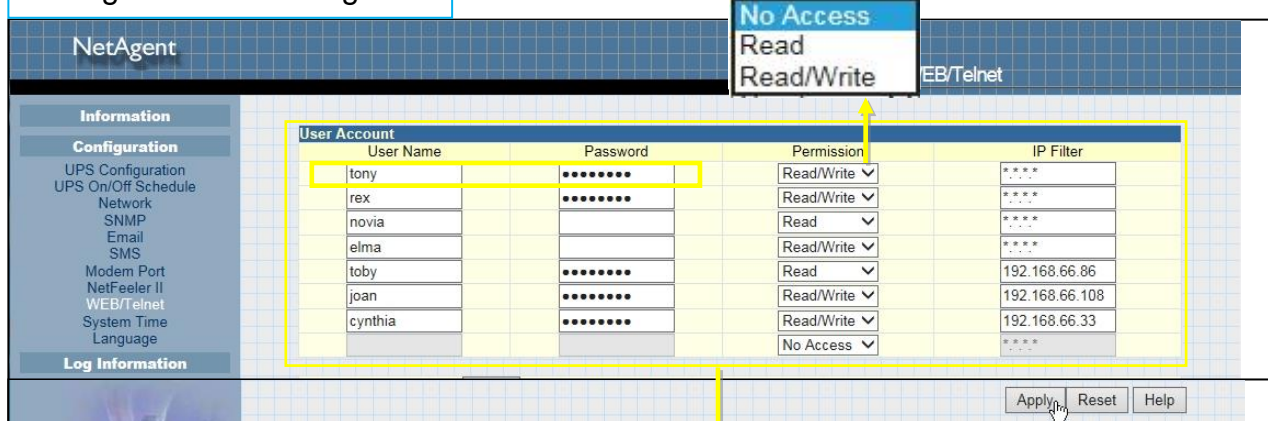
Password:

Remember my credentials

⚠ Caps Lock is on

OK Cancel

## NetAgent Mini & NetAgent II



- SSL Information

NetAgent supports HTTPS protocol and varies SSL encryptions version for network connection. User may upload its Public Key and Certification for authentication

*Table of SSL versions that NetAgent supports*

	SSL v2	SSL v3	TLS v1.0	TLS v1.1	TLS v1.2
<b>NetAgent9 &amp; Mini</b>	✓	✓	✓	✓	✓
<b>NetAgent DT/CT/BT</b>		✓			

### HTTPS Protocols

Select the encryption version

- SSL v2
- SSL v3
- SSL v1.0
- SSL v1.1
- SSL v1.2

✳ Once click on Apply, NetAgent will reboot

### SSL Information

This is to upload the SSL certificate. When both public key and certificate are uploaded to NetAgent web server, the communication will be encrypted by SSL

(To communicate via Https, make sure to enable Https port 443.)To create its own public key and certification, please refer to OpenSSL software in the CD



## NetAgent 9 Mini & NetAgent 9

The screenshot shows the configuration page for NetAgent 9. The left sidebar contains menu items: Information, Configuration, Log Information, and Help. The main content area is titled 'Configuration > Web / Telnet' and has tabs for 'User Account', 'SSL Information', and 'RADIUS Server Settings'. The 'SSL Information' tab is active.

**Select Encryption Version**

Under the 'HTTPS Protocol' section, the following options are checked:

- SSL v3
- TLS v1.0
- TLS v1.1
- TLS v1.2

Buttons for 'Apply' and 'Reset' are visible.

**1. Upload Public Key**

Under the 'SSL Information' section, the 'SSL Public Key' field is set to 'G:\netagent9\_key' with a '瀏覽...' (Browse) button. An 'Upload and Replace' button is to its right.

**2. Upload Certification**

The 'SSL Certificate' field is set to 'G:\netagent9\_cert' with a '瀏覽...' (Browse) button. An 'Upload and Replace' button is to its right.

Other fields include: Public Key Length (1024 bits), Issued To (NetAgent), Issued By (NetAgent), Valid From (2016-11-09), and Valid Until (2018-11-09).

A note at the bottom states: '\* : System will reboot when 'Apply' has been pressed.'

## NetAgent Mini & NetAgent II

The screenshot shows the configuration page for NetAgent. The left sidebar contains menu items: Information, Configuration, Log Information, and Help. The main content area is titled 'NetAgent' and has a 'WEB/Telnet' tab.

**RADIUS Server Settings**

- Enable RADIUS in Web/Telnet login: NO
- RADIUS Server Address: [Empty field]
- Authentication Port: 1812
- Shared Key: [Empty field]
- Connection TimeOut: 5 second(s)
- Connection Retry: 3

Buttons for 'Apply', 'Reset', and 'Help' are visible.

**SSL Public Key Information**

- SSL Public Key: G:\NetAgentII\_key 瀏覽...
- Public Key Length: 1024 bits

**SSL Certificate Information**

- SSL Certificate: G:\NetAgentII\_cert 瀏覽...
- Issued To: NetAgent
- Issued By: NetAgent
- Valid From: 2014-04-24
- Valid Until: 2016-04-23

An 'Upload and Replace' button is visible for the SSL Certificate field.

A note at the bottom states: '\* : This upload function could not be used in HTTPS mode.'

The screenshot shows a browser security warning in Internet Explorer. The address bar shows 'https://192.168.66.133'. The warning message is in Chinese:

此網站的安全性憑證有問題。

此網站出示的安全性憑證並非由信任的憑證授權單位所發行。此網站出示的安全性憑證是為其他網站的位址所發行的。

安全性憑證問題可能表示其他人可能正在嘗試欺騙您，或是攔截您傳送到該伺服器的任何資料。

我們建議您關閉此網頁，而且不要繼續瀏覽此網站。

Options:

- 按這裡關閉此網頁。
- 繼續瀏覽此網站 (不建議)。
- 其他資訊

A text box on the right contains the instruction: 'When connect via HTTPS with its own generated public key and certification, browser may show error, please ignore and continue.'

- RADIUS Server Setting

If RADIUS server authentication is required for the network, NetAgent could be added by entering following parameter.



Enable RADIUS in Web/Telnet Login:

To select if to enable RADIUS

RADIUS Server Address :

To enter the IP address of the RADIUS Server

Authentication Port :

RADIUS port number (Default is 812)

Shared Key :

Enter the Shared Key between RADIUS Server and client

Connection Timeout :

Set the number of seconds to suspend the login time after the RADIUS server is rejected

Connection Retry :

Sets the number of connections to the RADIUS server again

NetAgent 9 Mini & NetAgent 9

Configuration > Web / Telnet
User Account   SSL Information   <b>RADIUS Server Settings</b>
Enable RADIUS in Web/Telnet login <input checked="" type="checkbox"/>
RADIUS Server Address <input type="text" value="192.168.66.5"/>
Authentication Port <input type="text" value="1812"/>
Shared Key <input type="password" value="....."/>
Connection TimeOut <input type="text" value="5"/> second(s)
Connection Retry <input type="text" value="3"/>

Apply Reset Help

# NetAgent Mini & NetAgent II

NetAgent WEB/Telnet

Information

Configuration

- UPS Configuration
- UPS On/Off Schedule
- Network
- SNMP
- Email
- SMS
- Modem Port
- NetFeeler II
- WEB/Telnet
- System Time
- Language

Log Information

Help

Auto LogOff after idle for  minute(s) (0: Disable)

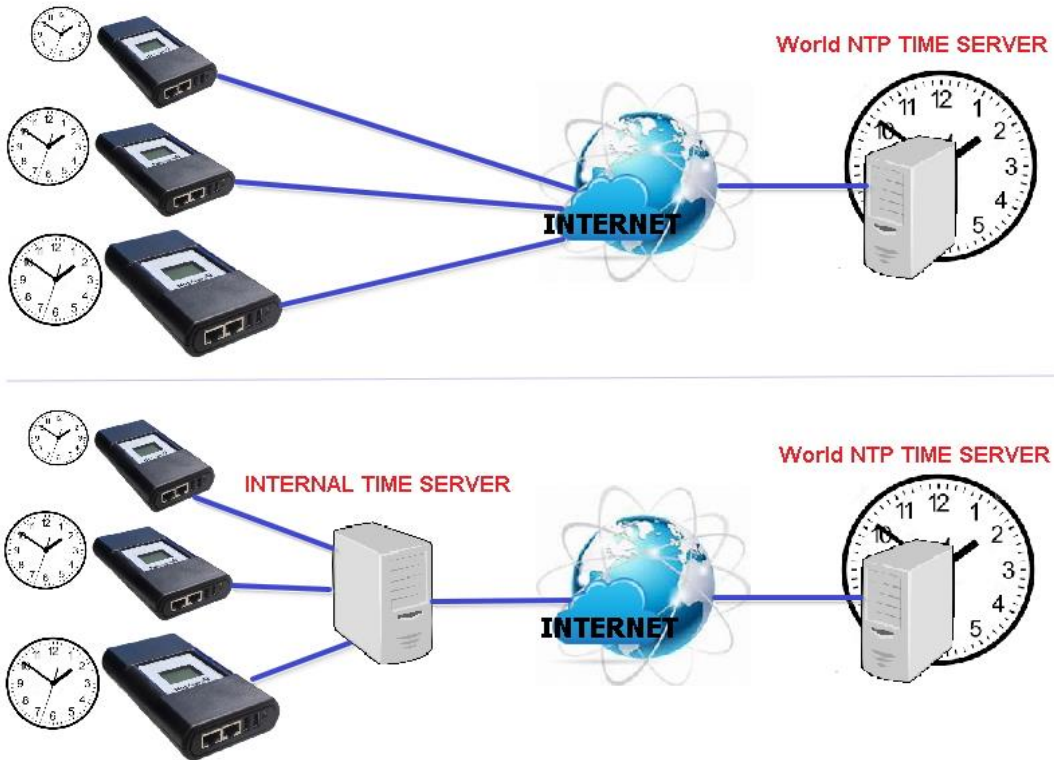
**RADIUS Server Settings**

Enable RADIUS in Web/Telnet login	<input checked="" type="checkbox"/> YES
RADIUS Server Address	<input type="text" value="192.168.66.5"/>
Authentication Port	<input type="text" value="1812"/>
Shared Key	<input type="text" value="••••••••"/>
Connection TimeOut	<input type="text" value="5"/> second(s)
Connection Retry	<input type="text" value="3"/>

SSL Public Key Information

## ■ Configuration > System Time

This page is to set NetAgent's system time. NetAgent could synchronize with external or internal Time Server.



### System Time

#### Time Between Automatic Updates :

To set an interval for time synchronization.

#### Time Server :

Time server can be select from the drop down list , or add other time server manually.

#### Time Zone(Relative to GMT) :

To select its GMT time zone

#### Using Daylight Saving Time :

Select whether to use the daylight saving time system to adjust the clock for 1 hour in advanced

#### System Time(yyyy/mm/dd hh:mm:ss) :

To display the current system time/date of NetAgent. Or click on Adjust Now to adjust to the correct time/date automatically

### Restart

#### Auto Restart System for Every (0 is disabled):

NetAgent to restart automatically at preset hour or minute

#### Manual Restart System After 30 seconds :

Once click on Apply, NetAgent would restart after 30 seconds

# NetAgent 9 Mini & NetAgent 9

**1. Select Time Server**

**2. Adjust Now**

**Add Time Server**

Configuration > System Time

System Time

Time Between Automatic Updates: 1 Hour

Time Server: time.nist.gov

Time Zone (Relative to GMT): GMT+8:00

Using Daylight Saving Time: NO

System Time (yyyy/mm/dd hh:mm:ss): 2017/06/19 11:18:33

Restart

Auto Restart System for Every (0: Disable): 0 Minute(s)

Manual Restart System After 30 Seconds

Configuration > System Time > Add Server

Time Server: 192.168.66.5

Time Server List:

- time.nist.gov
- time.windows.com
- ntp-sop.inria.fr
- ntp1.cs.mu.OZ.AU
- ntp1.pads.ufrj.br
- clock.uregina.ca
- subitaneous.cpsc.ucalgary.ca
- tick.usask.ca
- tock.usask.ca
- ntp.metas.ch
- swisstime.ethz.ch
- ntp.shoa.cl
- ntp.cesnet.cz
- ntp0.fau.de
- ntp1.fau.de

# NetAgent 9 Mini & NetAgent 9

**1. Select Time Server**

**2. Adjust Time**

**Add Time Server**

NetAgent

System Time

System Time

Time Between Automatic Updates: 12 Hours

Time Server: time.windows.com

Time Zone (Relative to GMT): GMT+8:00

Using Daylight Saving Time: NO

System Time (yyyy/mm/dd hh:mm:ss): 2017/06/19 11:43:41

Auto Restart

Auto Restart System for Every (0: Disable): 0 Minute(s)

Manual Restart System After 30 Seconds

NetAgent

System Time

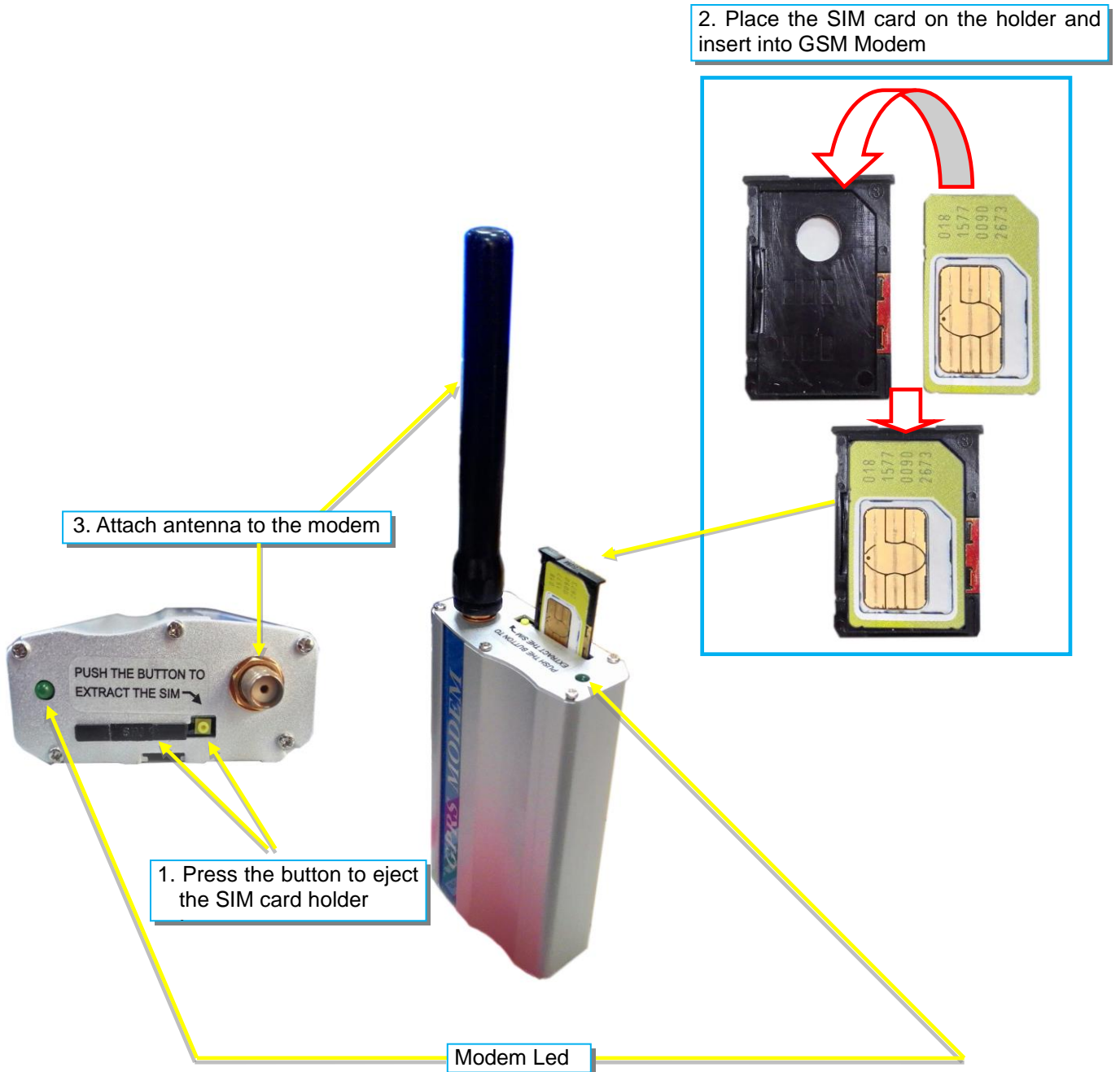
Time Server: 192.168.66.5

Time Server List:

- time.nist.gov
- time.windows.com
- ntp0.cs.mu.OZ.AU
- ntp1.rnp.br
- ntp1.pads.ufrj.br
- tick.usask.ca
- ntp.metas.ch
- swisstime.ethz.ch

■ Configuration > SMS Modem

□ Modem Setup Procedure



**Modem Led Status**

- If flash every 0.8 seconds :**
  - Modem initializing, please wait
  - If no respond
    - (1) Check if PIN is correctly entered, or if PIN is required
    - (2) Check if SIM card is inserted corrected
    - (3) Check if no or low signal
- If flash every 3 seconds :**
  - Modem is ready for operation



- SMS Modem Settings

Modem Communication Port :

Select “ ttyUSB0” for USB modem connects with NetAgent 9 directly ;

Select “SMS “ for modem connects with NetAgent II 3 Ports

SMS Communication :

Select between GPRS or CDMA

SIM Card PIN :

If PIN is required for the SIM card, please enter

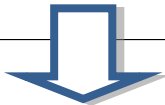
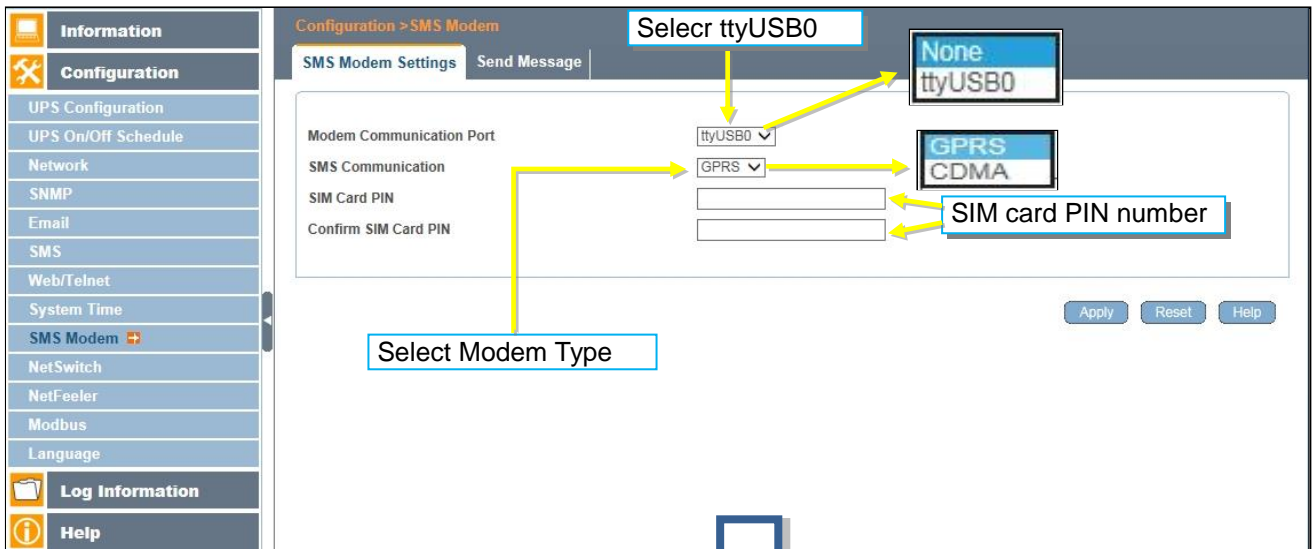
Confirm SIM PIN :

Retype SIM card PIN

When all done, click on Apply. Modem Information and Status can be check from Information> SMS Modem Status

☀ Once click on Apply on NetAgent 3 ports model, NetAgent will reboot

NetAgent 9 W/USB



Modem Information and Status



- Send Message

Cellular Phone number :

Enter mobile number

SMS Content(Max.70 Characters) :

Enter the SMS content text and select coding. Unicode or Character



**NetAgent II 3 Ports**

NetAgent

Modem Port

Information

Configuration

- UPS Configuration
- UPS On/Off Schedule
- Network
- SNMP
- Email
- SMS
- Modem Port
- NetFeeler II
- WEB/Telnet
- System Time
- Language

Log Information

Help

**Modem Settings**

Modem Communication Type\* SMS

**SMS Settings**

SMS Communication GPRS

SIM Card PIN

Confirm SIM Card PIN

\*: System will reboot when this item has been Applied.

Apply Reset Help

**Receiver cellular number and message content**

Cellular Phone number 09886705898

SMS content TESTSMS  Unicode  Character

Send Reset Help

Select SMS]

Select Modem Type

SMS  
PPP Dial-in  
NetSwitch

GPRS  
CDMA

SIM card PIN number

Enter the mobile number and SMS content, then click on Send

NetAgent

**Modem Information and Status**

Modem Status

Information

- System Status
- Basic Information
- Current Status
- Remote Control
- Meter/Chart
- Modem Status
- NetFeeler II

Configuration

Log Information

Help

**Modem Information**

Modem Manufacturer	SIEMENS
Modem Model	MC55
Modem Firmware Version	REVISION 04.00

**GSM Modem Current Status**

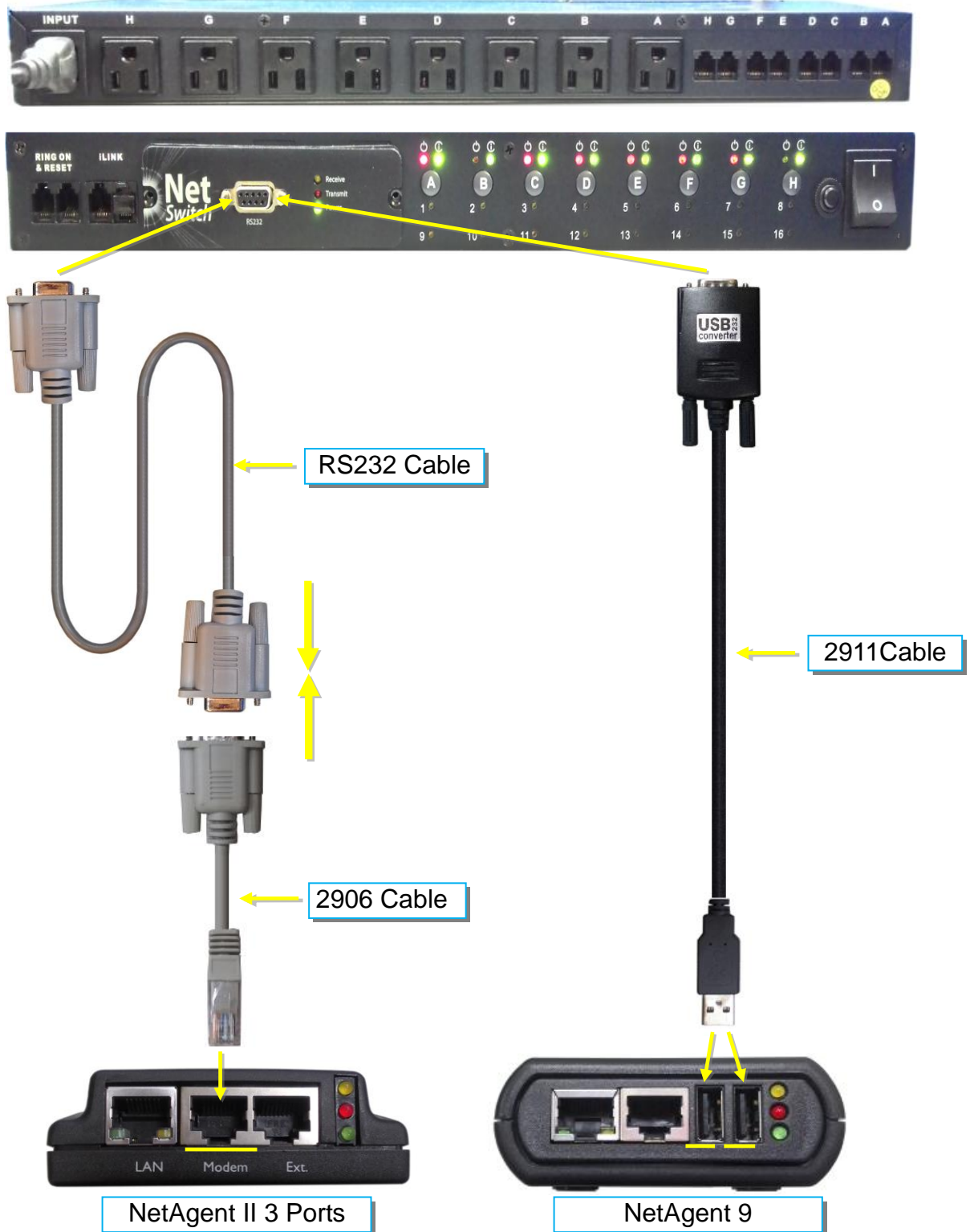
Service Provider	TWN GSM 1800
Central number of SMS service	886935874443
Signal Strength	38%
SIM card PIN is correct or not	SIM card PIN correct or no PIN configured

Help

## ■ Configuration > NetSwitch

NetAgent 3 Ports (BT model) or NetAgent 9 (BX/BY model) can also connect with our NetSwitch for remote power management

### □ NetSwitch Installation



- NetSwitch

When NetAgent BT/BX/BY connects with NetSwitch, it able to perform action to the specific outlet when event or alarm triggers

**NetAgent 9**

Configuration > NetSwitch

**Current Action List**

No.	Events	Events Action	NetSwitch	Outlet	Outlet Action	Modify
1	UPS Load Overrun	Occur	NetSwitch01(iSWITCH)	OutletF(EPSON PRINTER)	OFF	[Delete]
2	UPS Load Overrun	Occur	NetSwitch01(iSWITCH)	OutletG(HP PRINTER)	OFF	[Delete]
3	AC Power Failed	Occur	NetSwitch01(iSWITCH)	OutletB(COMPUTER A)	OFF	[Delete]
4	AC Power Failed	Occur	NetSwitch01(iSWITCH)	OutletC(COMPUTER B)	OFF	[Delete]
5	AC Power Failed	Occur	NetSwitch01(iSWITCH)	OutletD(MAIL SERVER )	OFF	[Delete]
6	AC Power Failed	Occur	NetSwitch01(iSWITCH)	OutletE(DNS SERVER)	OFF	[Delete]
7	UPS Load Overrun	Remove	NetSwitch01(iSWITCH)	OutletF(EPSON PRINTER)	ON	[Delete]
8	UPS Load Overrun	Remove	NetSwitch01(iSWITCH)	OutletG(HP PRINTER)	ON	[Delete]
9	AC Power Failed	Remove	NetSwitch01(iSWITCH)	OutletD(MAIL SERVER )	ON	[Delete]
10	AC Power Failed	Remove	NetSwitch01(iSWITCH)	OutletE(DNS SERVER)	ON	[Delete]

**Delete Action**

1. Click on Add to add new action

Add Help

2. Select Event

3. Event Action

4. Select NetSwitch Number

5. Select Outlet Number

6. Select Outlet Action

7. Click on Apply to add into Action list

Configuration > NetSwitch Action > NetSwitch Action Configuration

**NetSwitch Action Configuration**

Events Select: UPS

Events Action:  Occur  Remove

NetSwitch: NetSwitch01(iSWITCH)

Outlet: OutletA(ADSL MODEM)

Outlet Action:  ON  OFF

Apply

OutletA(ADSL MODEM)  
 OutletA(COMPUTER A)  
 OutletA(COMPUTER B)  
 OutletA(MAIL SERVER )  
 OutletA(DNS SERVER)  
 OutletA(EPSON PRINTER)  
 OutletA(HP PRINTER)  
 OutletA(EMERGENCY LIGHT)

NetSwitch02  
 NetSwitch03  
 NetSwitch04  
 NetSwitch05  
 NetSwitch06  
 NetSwitch07  
 NetSwitch08  
 NetSwitch09  
 NetSwitch10  
 NetSwitch11  
 NetSwitch12  
 NetSwitch13  
 NetSwitch14  
 NetSwitch15  
 NetSwitch16

UPS  
 UPS Load Overrun  
 UPS Communication Lost  
 AC Power Failed  
 UPS Battery Low  
 UPS Temperature Overrun  
 Battery Capacity Below to  
 -----NetFeeler II-----  
 Temperature Overrun  
 Temperature Underrun  
 Humidity Overrun  
 Humidity Underrun  
 Water  
 Smoke  
 Gas  
 Security1  
 Security2  
 Security3  
 Security4  
 Security5  
 Security6  
 Security7

# NetAgent II 3 Ports

NetAgent

Current Action List

NetSwitch Action

Delete Action

No.	Events	Events Action	NetSwitch	Outlet	Outlet Action	Modify
1	UPS Load Overrun	Occur	NetSwitch01(iSWITCH)	OutletF(EPSON PRINTER)	OFF	[Delete]
2	UPS Load Overrun	Occur	NetSwitch01(iSWITCH)	OutletG(HP PRINTER)	OFF	[Delete]
3	AC Power Failed	Occur	NetSwitch01(iSWITCH)	OutletB(COMPUTER A)	OFF	[Delete]
4	AC Power Failed	Occur	NetSwitch01(iSWITCH)	OutletC(COMPUTER B)	OFF	[Delete]
5	AC Power Failed	Occur	NetSwitch01(iSWITCH)	OutletD(MAIL SERVER)	OFF	[Delete]
6	AC Power Failed	Occur	NetSwitch01(iSWITCH)	OutletE(DNS SERVER)	OFF	[Delete]
7	UPS Load Overrun	Remove	NetSwitch01(iSWITCH)	OutletF(EPSON PRINTER)	ON	[Delete]
8	UPS Load Overrun	Remove	NetSwitch01(iSWITCH)	OutletG(HP PRINTER)	ON	[Delete]
9	AC Power Failed	Remove	NetSwitch01(iSWITCH)	OutletD(MAIL SERVER)	ON	[Delete]
10	AC Power Failed	Remove	NetSwitch01(iSWITCH)	OutletE(DNS SERVER)	ON	[Delete]

1. Click on Add to add new action

New Help

2. Select Event

3. Event Action

4. Select NetSwitch Number

5. Select Outlet Number

6. Select Outlet Action

7. Click on Apply to add into Action list

NetSwitch Action Configuration

Events Select: UPS

Events Action:  Occur  Remove

NetSwitch: NetSwitch01(iSWITCH)

Outlet: OutletA(ADSL MODEM)

Outlet Action:  ON  OFF

Apply

OutletA(ADSL MODEM)

OutletA(COMPUTER A)

OutletA(COMPUTER B)

OutletA(MAIL SERVER)

OutletA(DNS SERVER)

OutletA(EPSON PRINTER)

OutletA(HP PRINTER)

OutletA(EMERGENCY LIGHT)

NetSwitch02

NetSwitch03

NetSwitch04

NetSwitch05

NetSwitch06

NetSwitch07

NetSwitch08

NetSwitch09

NetSwitch10

NetSwitch11

NetSwitch12

NetSwitch13

NetSwitch14

NetSwitch15

NetSwitch16

UPS

UPS Load Overrun

UPS Communication Lost

AC Power Failed

UPS Battery Low

UPS Temperature Overrun

Battery Capacity Below to

NetFeeler II

Temperature Overrun

Temperature Underrun

Humidity Overrun

Humidity Underrun

Water

Smoke

Gas

Security1

Security2

Security3

Security4

Security5

Security6

Security7

- NetSwitch Settings

NetSwitchCommunication Port :

Select “ ttyUSB0” for NetSwitch connects with NetAgent 9 directly ;

Select “NetSwitch “ for NetSwitch connects with NetAgent II 3 Ports

☀ **Once click on Apply on NetAgent 3 ports model, NetAgent will reboot**

Select NetSwitch :

Select the NetSwitch number (0~16)

Address Change :

To adjust the current NetSwitch number (e.g : NetSwitch01 → NetSwitch03)

Identication :

NetSwitch’s ID name

Outlet :

Each NetSwitch as 8 individual outlet with code of A~H

Name :

To enter a name for each outlet for identification

Phone Controllable :

If to control by phone coding (Refer to NetSwitch manual)

Control Type :

The action of each outlet. Safe Shutdown / Safe reboot / Instant Shutdown (Refer to NetSwitch manual for definition of each outlet)

Power Off Delay :

When select safe shutdown and safe reboot, this is to set power off delay for the outlet

Power Resume Daly :

When AC recovers , the time to resume power on the outlet

NetAgent 9

Configuration > NetSwitch

NetSwitch Settings

NetSwitch Communication Port: ttyUSB0

Select NetSwitch: NetSwitch01(iSWITCH)

Address Change: [ ]

Identification: iSWITCH

Outlet	Name	Phone Controllable	Control Type	Power Off Delay	Power Resume Delay
A	ADSL MODEM	YES	safe shutdown	180 sec	30 sec
B	COMPUTER A	YES	safe shutdown	90 sec	30 sec
C	COMPUTER B	YES	safe shutdown	90 sec	30 sec
D	MAIL SERVER	YES	safe reboot	90 sec	30 sec
E	DNS SERVER	YES	safe reboot	90 sec	30 sec
F	EPSON PRINTER	YES	instant shutdown	0 sec	0 sec
G	HP PRINTER	YES	instant shutdown	0 sec	0 sec
H	EMERGENCY LIGHT	NO	instant shutdown	0 sec	0 sec

Apply Reset

# NetAgent II 3 Ports

**Modem Settings**  
Modem Communication Type\* NetSwitch

\*: System will reboot when this item has been Applied.

**NetSwitch Setting**  
Select NetSwitch NetSwitch01  
Address Change  
Identification iSWITCH

Outlet	Name	Phone Controllable	Control Type	Power Off Delay	Power Resume Delay
A	ADSL MODEM	YES	safe shutdown	180 sec	30 sec
B	COMPUTER A	YES	safe shutdown	90 sec	30 sec
C	COMPUTER B	YES	safe shutdown	90 sec	30 sec
D	MAIL SERVER	YES	safe reboot	90 sec	30 sec
E	DNS SERVER	YES	safe reboot	90 sec	30 sec
F	EPSON PRINTER	YES	instant shutdown	0 sec	0 sec
G	HP PRINTER	YES	instant shutdown	0 sec	0 sec
H	EMERGENCY LIGHT	NO	instant shutdown	0 sec	0 sec



**Information > NetSwitch Status**

**NetSwitch Status and Control**

Select NetSwitch: NetSwitch01 (iSWITCH)  
Identification: iSWITCH

Outlet	Status	Control Type
OutletA	ON	instant shutdown
OutletB	OFF	instant shutdown
OutletC	ON	instant shutdown
OutletD	ON	instant shutdown
OutletE	ON	instant shutdown
OutletF	ON	instant shutdown
OutletG	ON	instant shutdown
OutletH	ON	instant shutdown

**NetAgent** **NetSwitch Status**

**NetSwitch Status and Control** (Click the icon to turn on or off the specific outlet)

Select NetSwitch: NetSwitch01  
Identification: iSWITCH

OutletA instant shutdown	ON		OutletE instant shutdown	ON	
OutletB instant shutdown	OFF		OutletF instant shutdown	ON	
OutletC instant shutdown	ON		OutletG instant shutdown	ON	
OutletD instant shutdown	ON		OutletH instant shutdown	ON	

All On

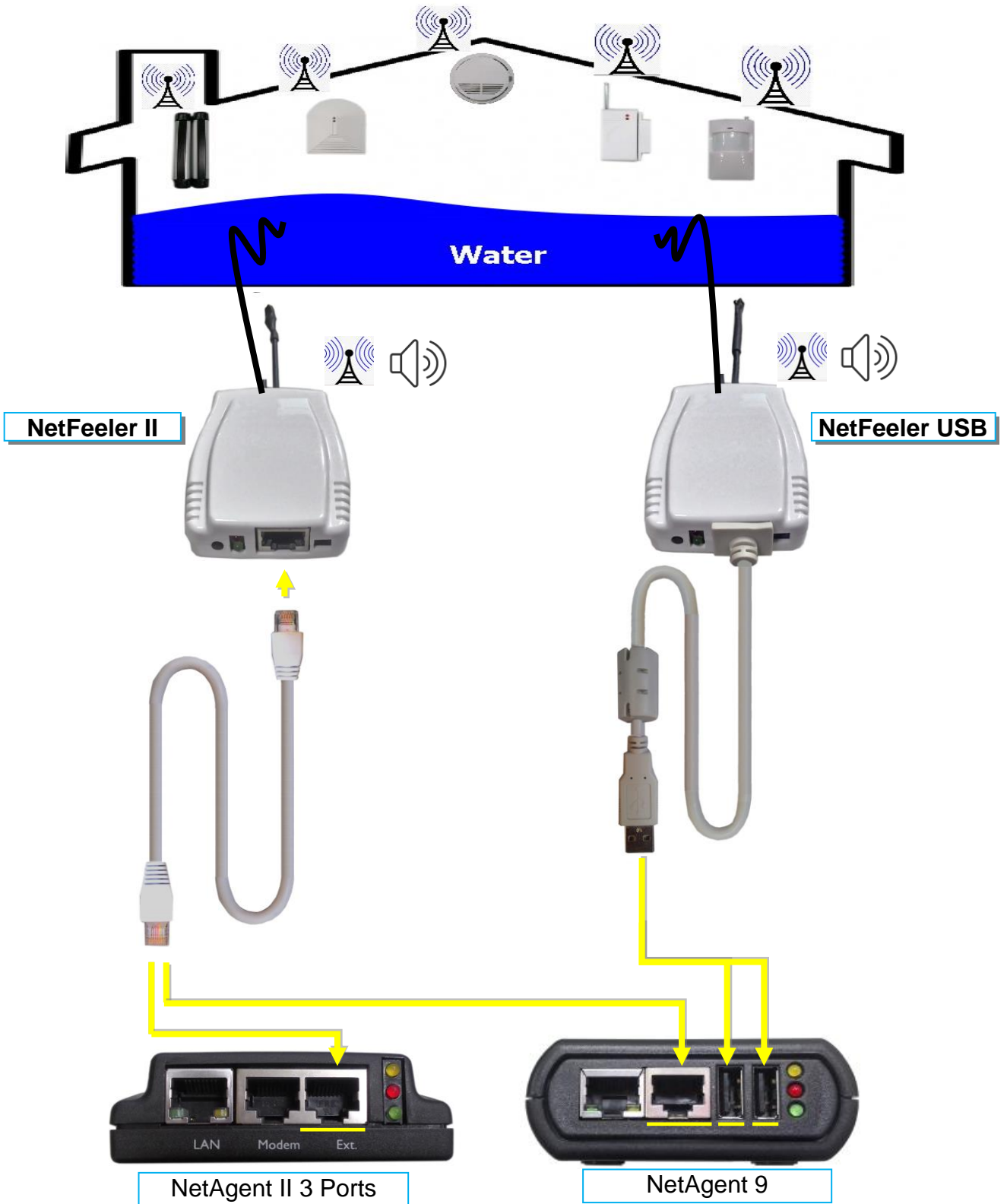
All Off

Help

■ **Configuration > NetFeeler**

NetFeeler is the external optional environmental sensor, It is to detects temperature, humidity and water. Inside NetFeeler, it has RF receiver to work with extension sensors such as smoke, security sensor.

□ NetFeeler Setup





## NetFeeler

### NetFeeler :

To select NetFeeler type. NetFeeler II / NetFeeler USB

☛ NetAgent 9 can use with NetFeeler II or NetFeeler USB

☛ NetAgent II 3 Ports only to use with NetFeeler II

### Humidity/Temperature Critical value :

To set the lowest and highest critical values for temperature and humidity. NetFeeler II will send a warning message when it detects temperature or humidity values below and above these settings.

## Security Label

NetFeeler may connect up to 7 security sensors that communicates via RF. This section is to set the location or name of each sensor.

**NetAgent 9**

Configuration > NetFeeler

NetFeeler

NetFeeler: NetFeeler II

Critical UnderRun: 40

Critical OverRun: 90

Humidity (%): 40

Temperature (°C): 10.0

Security Label

Label 1	Factory gate
Label 2	Factory back door
Label 3	Office floor windows
Label 4	Finance Dept window(left)
Label 5	Finance Dept window(right)
Label 6	Warehouse door
Label 7	Garage door

Apply Reset Help

Information > NetFeeler

NetFeeler Status

Environmental Temperature	25.0 °C ( 77.0 °F )	Factory gate	Normal
Environmental Humidity	60 %	Factory back door	Normal
Water Status	Normal	Office floor windows	Normal
Gas Status	Normal	Finance Dept window(left)	Normal
Smoke Status	Normal	Finance Dept window(right)	Normal
		Warehouse door	Normal
		Garage door	Normal

Clear Alarm Reset Alarm Help

## NetAgent II 3 Ports

NetAgent NetFeeler II

**Information**

**Configuration**

- UPS Configuration
- UPS On/Off Schedule
- Network
- SNMP
- Email
- SMS
- Modem Port
- NetFeeler II
- NetSwitch Action
- WEB/Telnet
- System Time
- Language

**Log Information**

**Help**

**NetFeeler II**

	Critical UnderRun	Critical OverRun
Humidity (%)	40	90
Temperature (°C)	10.0	45.0

**Security Label**

Label 1	Factory gate
Label 2	Factory back door
Label 3	Office floor windows
Label 4	Finance Dept windows(left)
Label 5	Finance Dept windows(right)
Label 6	Warehouse door
Label 7	Garage door

Apply   Reset   Help



NetAgent NetFeeler II

**Information**

- System Status
- Basic Information
- Current Status
- Remote Control
- Meter/Chart
- NetSwitch Status
- NetFeeler II

**Configuration**

**Log Information**

**Help**

Refresh status every  ▾

**NetFeeler II Status**

Environmental Temperature	27.3 °C ( 81.1 °F )
Environmental Humidity	70 %
Water Status	Normal
Gas Status	Normal
Smoke Status	Normal
Factory gate	Normal
Factory back door	Normal
Office floor windows	Normal
Finance Dept windows(left)	Normal

NetAgent NetFeeler II

**Information**

- System Status
- Basic Information
- Current Status
- Remote Control
- Meter/Chart
- NetSwitch Status
- NetFeeler II

**Configuration**

**Log Information**

**Help**

Refresh status every  ▾

**NetFeeler II Status**

Environmental Temperature	27.8 °C ( 82.0 °F )
Environmental Humidity	69 %
Water Status	Normal
Gas Status	Normal
Smoke Status	Normal
Factory gate	Normal
Factory back door	Normal
Office floor windows	Normal
Finance Dept windows(left)	Normal
Finance Dept windows(right)	Alarm
Warehouse door	Normal
Garage door	Normal

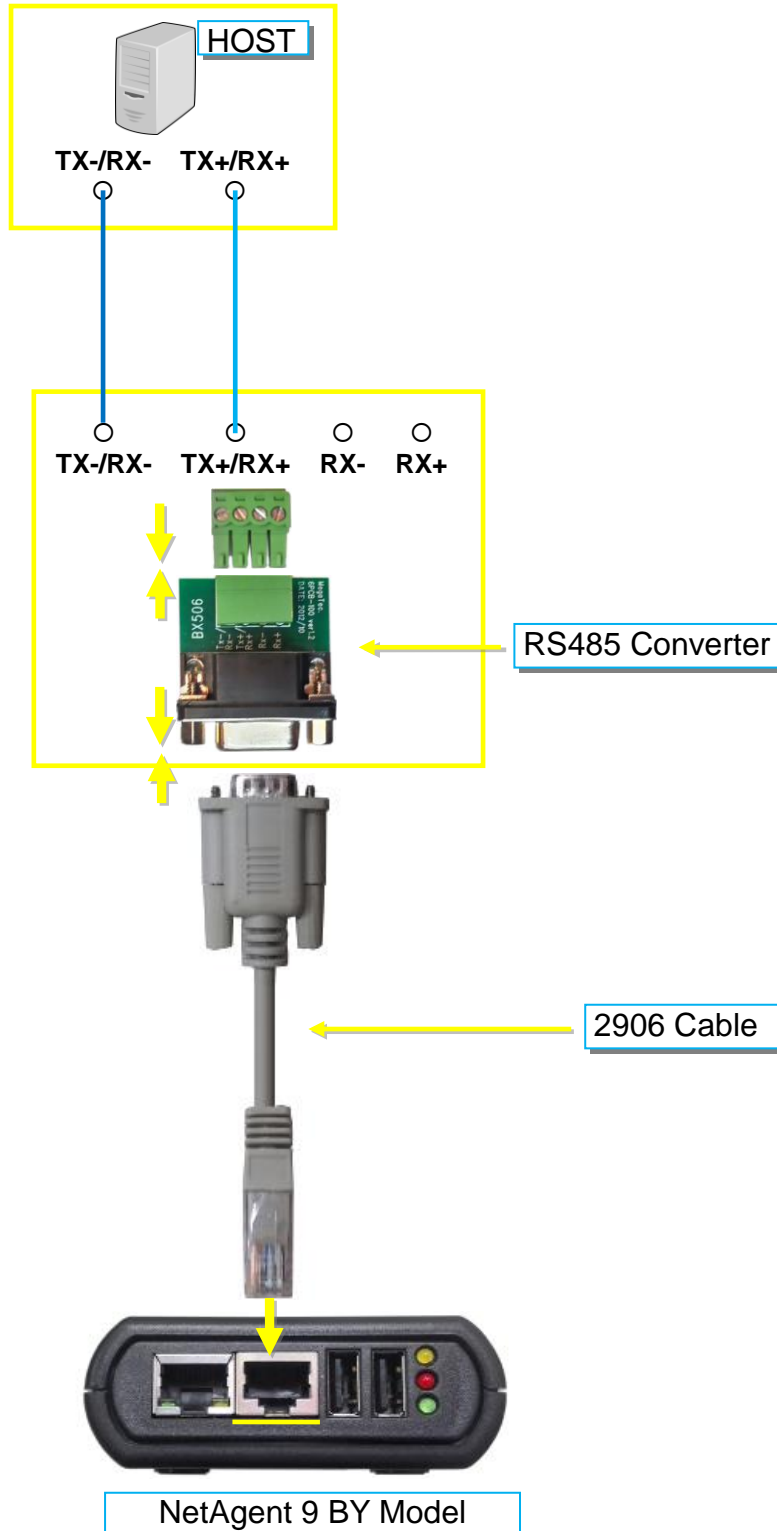
Clear Alarm
→
Reset Alarm
Help

■ **Configuration > MODBUS**

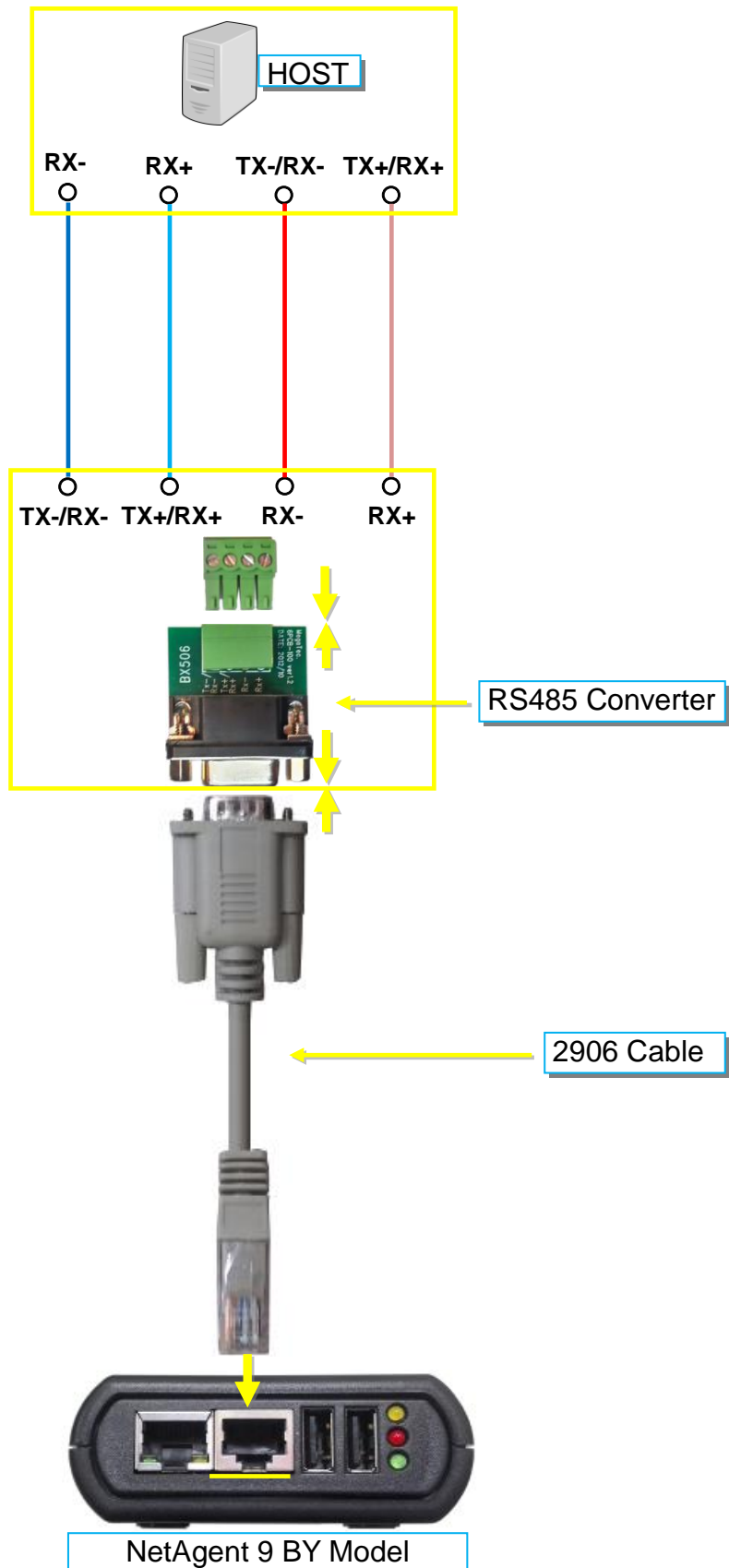
NetAgent supports Modbus on TCP/IP. And NetAgent 9 BY model also supports ModBus on RS485. Through Ethernet and serial communication, it may read multi UPS's data.

Connection illustration as below

□ RS485 2 lines connection(Half Duplex)



□ RS485 4 lines (Full Duplex)



## Modbus on TCP

### Modbus on TCP Device ID :

Enter device ID to read/write data when using Modbus on TCP communication

## Modbus on RS485

### Transmission Mode :

To select Modbus communication code RTU or ASCII

### Device ID :

Enter device ID

### Mode :

To select communicate mode of Full Duplex and Half Duplex

### Baud Rate :

Baud Rate of 2400 / 4800 / 9600 / 19200 / 38400 / 57600 bps

### Data bits :

Data bits of 8 bits / 7 bits

### Parity :

Parity of None/ odd /even

### Stop bits :

Stop bits of 1 / 2

NetAgent 9

The screenshot displays the 'Configuration > Modbus' page in the NetAgent 9 interface. It is divided into two main sections: 'Modbus on TCP' and 'Modbus on RS485'.  
- **Modbus on TCP:** The 'Modbus on TCP Device ID' is set to 1.  
- **Modbus on RS485:** The 'Transmission Mode' is set to RTU, 'Device ID' is 1, 'Mode' is Full Duplex, 'Baud Rate' is 9600, 'Data bits' is 8, 'Parity' is None, and 'Stop bits' is 1.  
Yellow callout boxes highlight the 'Disabled RTU ASCII' box, the 'Full Duplex Half Duplex' box, and the '9600' baud rate selection. The 'Apply' button is also highlighted with a yellow box.

## ■ Configuration > Language

This page is to set the language interface for NetAgent.

### Interface Language

To set the language of NetAgent web pages. When first start login to the webpage of NetAgent, NetAgent will auto detects the OS language of the PC and shows the same language on its web pages. Users may choose the language per preference

Note: Users will have to enable cookies before they use this function.

### Email Preference

Select language preference when receive emails and SMS.

*Languages supported by NetAgent*

#### NetAgent 9

- English
- Deutsch
- Português
- Español
- Français
- Italiano
- Türkçe
- 繁體中文
- 簡體中文
- 한글
- 日本語
- Русский
- ไทย
- Polska

#### NetAgent II

##### EAST Version

- English
- 繁體中文
- 簡體中文
- 한글
- 日本語
- Русский
- ไทย

##### WEST Version

- English
- Deutsch
- Português
- Español
- Français
- Italiano
- Русский
- Türkçe
- Polska

#### NetAgent 9 Mini & NetAgent 9

The screenshot shows the 'Configuration > Language' page in a web browser. On the left is a navigation menu with 'Language' selected. The main content area has a title 'Configuration > Language'. Under 'Interface Language', there are radio buttons for English (selected), Deutsch, Português, Español, Français, Italiano, Türkçe, 繁體中文, 簡體中文, 한글, 日本語, Русский, ไทย, and Polska. A note below says '(Note: Setting preferences will not work if you have disabled cookies in your browser.)'. Below this is the 'Email Preferences' section with a dropdown menu set to 'English'. At the bottom right, there are 'Apply', 'Reset', and 'Help' buttons. The 'Apply' button is highlighted with a yellow box. A yellow arrow points from the note to the language options.

■ **Log Information > Event Log**

It shows record of all events, giving the Date/Time of the event and a detailed description of each. Log capacity is 1000 logs. When reach to the limit, it rewrites on the previous logs. Log can be save as csv file.

**csv file name as below**

NetAgent 9 → eventlog\_year/month.csv , e.g.:eventlog\_201706

NetAgent II → eventlog.csv , e.g. : eventlog.csv

**NetAgent 9 Mini & NetAgent 9**

The screenshot shows the 'Log Information > Event Log' interface. On the left is a navigation menu with 'Event Log' selected. The main area displays a table of events with columns 'Date/Time' and 'Event'. A date filter dropdown is set to '2017/06'. A calendar pop-up shows months 2017/06, 2017/07, and 2017/08. A 'save.csv file' label points to the 'Save' button. A 'Check event by year/month' label points to the date filter dropdown.

Date/Time	Event
2017/06/27 12:06:51	UPS communication has been lost.
2017/06/27 10:47:25	Utility power has been restored.
2017/06/27 10:47:05	UPS has switched to battery power.
2017/06/27 10:46:44	Internal diagnostic self-test passed.
2017/06/27 10:46:28	Internal diagnostic self-test failed.
2017/06/27 10:46:24	The UPS return from...
2017/06/27 10:45:03	The UPS has return...
2017/06/27 10:45:03	The UPS is enterin...
2017/06/27 10:44:38	battery are very low...
2017/06/27 10:44:14	Utility power has been restored.
2017/06/27 10:44:14	UPS has switched to battery power.

The screenshot shows the file management section of the Event Log interface. It lists three files: eventlog\_201706.dat, eventlog\_201707.dat, and eventlog\_201708.dat. A 'Delete' button is highlighted. Annotations include '1. Select dat. file to delete' pointing to the first file and '2. Delete' pointing to the Delete button.

**NetAgent Mini & NetAgent II**

The screenshot shows the 'NetAgent Event Log' interface. It features a table with 'Date/Time' and 'Event' columns. A 'Clear all log' button is highlighted, with an arrow pointing to the 'Clear' button in the bottom right corner. A 'save.csv file' label points to the 'Save' button.

Date/Time	Event
2017/06/27 18:10:21	UPS passed internal self-test.
2017/06/27 18:00:28	UPS Test
2017/06/27 17:54:55	UPS communication has been established.
2017/06/27 10:00:18	UPS communication has been lost.
2017/06/27 09:57:20	UPS has switched to battery power.
2017/06/27 09:57:17	UPS communication has been established.
2017/06/27 09:54:19	UPS communication has been lost.
2017/06/27 09:51:22	UPS has switched to battery power.
2017/06/27 09:49:31	UPS communication has been established.
2017/06/27 08:51:50	NetSwitch Communication Lost
2017/06/27 08:51:49	UPS communication has been lost.
2017/06/26 19:01:50	Security5 Alarm

## ■ Log Information > SMS Log

It shows SMS record of all mobile number, giving the Date/Time of the SMS sent and a detailed description of each. Log capacity is 1000 logs. When reach to the limit, it rewrites on the previous logs.

NetAgent 9 model of BX/BY can save the SMS log as csv file.

csv file as below

smslog\_year/month.csv , e.g : smslog\_201706.csv

NetAgent 9

Date/Time	Mobile Number	SMS Content
2017/06/27 18:34:28	0955055657	UPS Agent(My Office)<192.168.66.102>:The UPS has returned from a low battery.
2017/06/27 18:34:19	0917461725	UPS Agent(My Office)<192.168.66.102>:The UPS has returned from a low battery.
2017/06/27 18:34:09	0922725209	UPS Agent(My Office)<192.168.66.102>:The UPS has returned from a low battery.
2017/06/27 18:34:00	0955055657	UPS Agent(My Office)<192.168.66.102>:The UPS has returned from a low battery.
2017/06/27 18:33:51	0955055657	UPS Agent(My Office)<192.168.66.102>:battery are very low.UPS will be shutdown
2017/06/27 18:33:41	0917461725	UPS Agent(My Office)<192.168.66.102>:battery are very low.UPS will be shutdown
2017/06/27 18:33:32	0922725209	UPS Agent(My Office)<192.168.66.102>:battery are very low.UPS will be shutdown
2017/06/27 18:33:23	0955055657	UPS Agent(My Office)<192.168.66.102>:battery are very low.UPS will be shutdown
2017/06/27 18:33:14	0955055657	UPS Agent(My Office)<192.168.66.102>:UPS communication has been established.
2017/06/27 18:33:04	0917461725	UPS Agent(My Office)<192.168.66.102>:UPS communication has been established.
2017/06/27 18:32:55	0922725209	UPS Agent(My Office)<192.168.66.102>:UPS communication has been established.
2017/06/27 18:32:45	0955055657	UPS Agent(My Office)<192.168.66.102>:UPS communication has been established.
2017/06/27 18:28:12	0955055657	TEST

Check event by year/month → Date of SMS 2017/06 Save Clear... Help

save.csv file

## NetAgent II 3PORTS

Date/Time	Mobile Number	SMS Content
2017/06/28 18:57:31	0922725209	UPS Agent(My Office)<192.168.66.102>:UPS communication has been lost. (Send SMS Failed!)
2017/06/28 18:56:10	0917461725	UPS Agent(My Office)<192.168.66.102>:UPS communication has been lost. (Send SMS Failed!)
2017/06/28 18:54:49	0955055657	UPS Agent(My Office)<192.168.66.102>:UPS communication has been lost. (Send SMS Failed!)
2017/06/27 19:13:42	0922725209	UPS Agent(My Office)<192.168.66.103>:Utility power has been restored.
2017/06/27 19:13:09	0917461725	UPS Agent(My Office)<192.168.66.103>:Utility power has been restored.
2017/06/27 19:12:36	0955055657	UPS Agent(My Office)<192.168.66.103>:Utility power has been restored.
2017/06/27 19:12:03	0922725209	UPS Agent(My Office)<192.168.66.103>:UPS has switched to battery power.
2017/06/27 19:11:30	0917461725	UPS Agent(My Office)<192.168.66.103>:UPS has switched to battery power.
2017/06/27 19:10:57	0955055657	UPS Agent(My Office)<192.168.66.103>:UPS has switched to battery power.

Clear Help



## ■ Log Information > Data Log

It records UPS Input Voltage/Output Voltage/ Frequency/ Loading/Capacity/ Temperature. When connects with NetFeeler, temperature, humidity will also be recorded. Log capacity is 5000 logs. When reach to the limit, it rewrites on the previous logs. Logs can be saved in CSV format by clicking on “Save Data Log”.

**csv file name as below**

NetAgent 9 → datalog\_year/month.csv , e.g.:datalog\_201706

NetAgent II → upsdata.cs

NetAgent 9 Mini & NetAgent 9

Log Information > Data Log

Page number

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 Next

Date/Time	Input Volt.(V)	Output Volt.(V)	Freq. (Hz)	Load(%)	Capacity(%)	Battery Volt.(V)	Cell Volt.(V)	Temp.	Env. Temp.	Env. Humidity
2017/06/25 22:39:38	220.1	220.1	50.0	10	100	325.20	27.10	30.1°C 86.1°F	32.5°C 90.5°F	71
2017/06/25 22:38:37	220.1	220.1	50.0	10	100	325.20	27.10	30.1°C 86.1°F	32.5°C 90.5°F	70
2017/06/25 22:37:36	220.1	220.1	50.0	10	100	325.20	27.10	30.1°C 86.1°F	33.0°C 91.4°F	69
2017/06/25 22:36:35	220.1	220.1	50.0	10	100	325.20	27.10	30.1°C 86.1°F	33.5°C 92.3°F	68
2017/06/25 22:35:34	220.1	220.1	50.0	10	100	325.20	27.10	30.1°C 86.1°F	33.5°C 92.3°F	68
2017/06/25 22:34:33	220.1	220.1	50.0	10	100	325.20	27.10	30.1°C 86.1°F	33.5°C 92.3°F	68
2017/06/25 22:33:32	220.1	220.1	50.0	100	100	325.20	27.10	30.1°C 86.1°F	33.5°C 92.3°F	68
2017/06/25 22:27:43	220.1	220.1	50.0	100	100	325.20	27.10	30.1°C 86.1°F	32.5°C 90.5°F	71
2017/06/25 22:26:24	220.1	220.1	50.0	10	100	325.20	27.10	30.1°C 86.1°F	33.0°C 91.4°F	71
2017/06/25 22:25:23	220.1	220.1	50.0	10	100	325.20	27.10	30.1°C 86.1°F	33.0°C 91.4°F	68
2017/06/25 22:24:21	220.1	220.1	50.0	10	100	325.20	27.10	30.1°C 86.1°F	33.0°C 91.4°F	68

Date of Datalog: 2017/06/25

Save Data Log Clear... Help

Check event by year/month

save csv.file

Log Information > Data Log

Data Log

- datalog\_20170624.dat
- datalog\_20170625.dat
- datalog\_20170626.dat
- datalog\_20170627.dat
- datalog\_20170727.dat
- datalog\_20170827.dat

1. Select dat. file to delete

2. Delete

Select All Clear All Delete

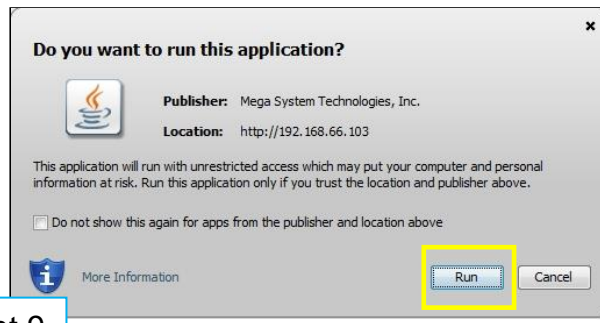
# NetAgent Mini & NetAgent II

NetAgent
Data Log

Information									
Configuration									
Log Information									
Event Log									
Data Log	Date/Time	Input Volt.	Output Volt.	Freq. (Hz)	Load	Capacity	Temp.	Env. Temp.	Env. Humidity
Battery Test Log									
Help									
	2017/06/27 19:30:00	220.1	220.1	50.0	10	100	30.1°C 86.1°F	26.4°C 79.5°F	59
	2017/06/27 19:29:00	220.1	220.1	50.0	10	100	30.1°C 86.1°F	26.4°C 79.5°F	59
	2017/06/27 19:27:59	220.1	220.1	50.0	10	100	30.1°C 86.1°F	25.9°C 78.6°F	60
	2017/06/27 19:26:58	220.1	220.1	50.0	10	100	30.1°C 86.1°F	25.9°C 78.6°F	60
	2017/06/27 19:25:57	220.1	220.1	50.0	10	100	30.1°C 86.1°F	25.9°C 78.6°F	59
	2017/06/27 19:24:57	220.1	220.1	50.0	10	100	30.1°C 86.1°F	25.9°C 78.6°F	58
	2017/06/27 19:23:56	220.1	220.1	50.0	10	100	30.1°C 86.1°F	25.9°C 78.6°F	59
	2017/06/27 19:10:23	220.1	220.1	50.0	10	100	30.1°C 86.1°F	26.4°C 79.5°F	59

## ■ Log Information > Battery Test Log

To record the UPS Self-Test and it shows in graphic. UPS Self-Test option is available under System Information > Remote Control.



## NetAgent 9 Mini & NetAgent 9

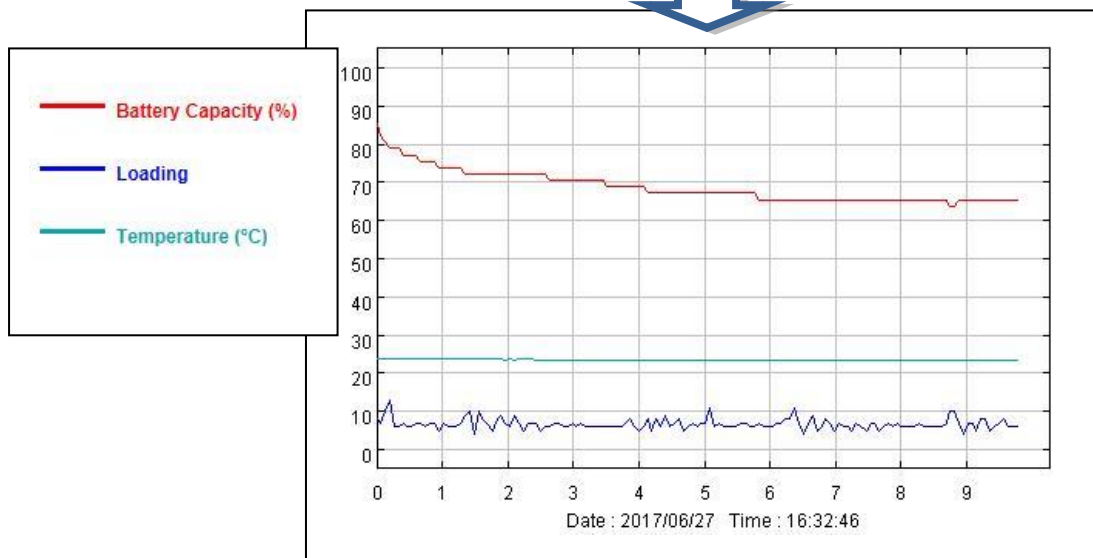
- Information
- Configuration
- Log Information
  - Event Log
  - Data Log
  - Battery Test Log
- Help

Log Information > Battery Test Log

Battery Test Log

Battery Testing Start Date/Time	Battery Testing Duration	Operation
2017/06/27 08:23:01	00:04:49	Save Delete
2017/06/27 16:32:46	00:09:46	Save Delete

Refresh Help



- Information
- System Status
- Basic Information
- Current Status
- Remote Control
- Meter/Chart
- SMS Modem Status
- NetSwitch Status

Information > Remote Control

UPS Testing

- 10-Second Test
- Deep Battery Test for  minute(s)
- Test until battery capacity below  %
- Test Until Battery Low
- Cancel Test

# NetAgent Mini & NetAgent II



The screenshot shows the 'Remote Control' interface. The left navigation menu includes: Information, System Status, Basic Information, Current Status (highlighted with a yellow box), Remote Control, Meter/Chart, Modem Status, and NetFeeler II. The main area displays the 'UPS Testing' configuration menu, which is also highlighted with a yellow box. The menu options are: 

- 10-Second Test
- Deep Battery Test for 10 minute(s)
- Test until battery capacity below 10 %
- Test Until Battery Low
- Cancel Test

A yellow arrow points from the 'Current Status' menu item in the screenshot above to the 'UPS Testing' menu in this screenshot.

## ■ Help > Search NetAgent

This to display all the found NetAgent within network with its serial number; Mac Address; Hardware/Firmware version and its IP address. Double click on the highlighted unit to open the webpage of such device.

### NetAgent 9 Mini & NetAgent 9

The screenshot shows the 'Help > Search NetAgent' interface. On the left is a navigation menu with 'Information', 'Configuration', 'Log Information', and 'Help'. Under 'Help', there are links for 'Search NetAgent', 'Serial Port Debug', 'Help', and 'About'. The main content area displays a table titled 'Search NetAgent' with the following data:

Device	MAC Address	Hardware	Firmware	IP Address
3926404591	00:03:EA:08:2D:EF	HBT506	2.48.BT506.EAST	192.168.66.102
3927177694	00:03:EA:13:F9:DE	HDY520	3.5.DY520.a	192.168.66.104

Below the table are 'Refresh' and 'Help' buttons. A mouse cursor is hovering over the 'HDY520' hardware entry in the second row.

### NetAgent Mini & NetAgent II

The screenshot shows the 'NetAgent' interface with a 'Browse NetAgent' header. On the left is a navigation menu with 'Information', 'Configuration', 'Log Information', and 'Help'. Under 'Help', there are links for 'Search NetAgent', 'Serial Port Debug', 'Help', and 'About'. The main content area displays a table with the following data:

Device	MAC Address	Hardware	Firmware	IP Address
3927177694	00:03:EA:13:F9:DE	HDY520	3.5.DY520.a	192.168.66.104
3927225097	00:03:EA:14:B3:09	HBY506	3.5.BY506	192.168.66.103

Below the table are 'Refresh' and 'Help' buttons. A mouse cursor is hovering over the 'HBY506' hardware entry in the second row.

## ■ Help > Serial Port Debug

It shows the communication status between NetAgent and UPS by Sent and Received columns. Command can send automatically by NetAgent, or manually enter the command to UPS. (Java is required)

### Port Information

This is to configure the communication parameter between NetAgent and UPS. Parameters are Debug Mode; Port; Speed (Baud), Data Bits;Parity and Stop Bits. Two encoding formats: ASCII or Hexadecimal.

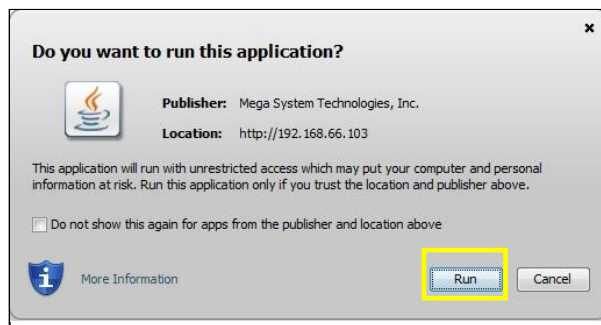
If Debug mode is set as manually, user may enter its parameter under Send Contents column.

### Sent Information

This column shows the real time sent command

### Received Information

This display the response that NetAgent receives from UPS



## NetAgent 9 Mini & NetAgent 9



**Help > Serial Port Debug**

Port Information | **Debug Information**

ASCII  Hexadecimal

Send Content:

Buttons: **Send**, **Clear**

**Sent Information**

```

PM 06:09:58: Q1r
PM 06:09:58: lr
PM 06:09:58: Fr
PM 06:10:01: Q1r
PM 06:10:01: lr
PM 06:10:01: Fr
PM 06:10:01: Q1r
PM 06:10:03: lr
PM 06:10:03: Fr
PM 06:10:03: Q1r
PM 06:10:05: lr
PM 06:10:05: Fr
PM 06:10:05: Q1r

```

Buttons: **Clear**

**Received Information**

```

PM 06:09:29: #110.0 009 036.0 60.0r
PM 06:09:29: (109.6 109.4 109.9 006 60.0 2.27 22.9 00000001r
PM 06:09:29: # LV 1K 00019.12 lr
PM 06:09:29: #110.0 009 036.0 60.0r
PM 06:09:29: (109.4 109.3 110.1 006 60.0 2.27 22.9 00000001r
PM 06:09:29: # LV 1K 00019.12 lr
PM 06:09:29: #110.0 009 036.0 60.0r
PM 06:09:29: (109.0 109.2 109.4 006 60.0 2.27 22.9 00000001r
PM 06:09:29: # LV 1K 00019.12 lr
PM 06:09:29: #110.0 009 036.0 60.0r
PM 06:09:29: (109.3 108.9 109.8 005 60.0 2.27 22.9 00000001r
PM 06:09:29: # LV 1K 00019.12 lr
PM 06:09:29: #110.0 009 036.0 60.0r

```

Buttons: **Clear**

**NetAgent Mini & NetAgent II**

**NetAgent** | Serial Ports Debug

**Port Information**

Debug Mode: Auto | Port: UPS

Speed(baud): 2400 | Data Bits: 8

Parity: None | Stop Bits: 1 Bit

Buttons: **Apply**, **Help**

ASCII  Hexadecimal

Send Content:

Buttons: **Send**, **Clear**

**Sent Information**

```

PM 05:57:09: lr
PM 05:57:09: Fr
PM 05:57:09: Q1r
PM 05:57:09: lr
PM 05:57:09: Fr
PM 05:57:09: Q1r
PM 05:57:12: lr
PM 05:57:12: Fr
PM 05:57:12: Q1r
PM 05:57:12: lr
PM 05:57:14: Fr
PM 05:57:14: Q1r
PM 05:57:14: lr

```

Buttons: **Clear**

**Received Information**

```

PM 05:57:52: (107.1 107.4 109.5 005 59.9 2.27 22.9 00000001r
PM 05:57:52: # LV 1K 00019.12 lr
PM 05:57:52: #110.0 009 036.0 60.0r
PM 05:57:52: (107.8 107.3 109.6 005 59.9 2.27 22.9 00000001r
PM 05:57:52: # LV 1K 00019.12 lr
PM 05:57:52: #110.0 009 036.0 60.0r
PM 05:57:52: (107.6 107.2 109.7 006 59.9 2.27 22.9 00000001r
PM 05:57:52: # LV 1K 00019.12 lr
PM 05:57:52: #110.0 009 036.0 60.0r
PM 05:57:55: #110.0 009 036.0 60.0r
PM 05:57:55: (107.3 107.5 109.8 006 59.9 2.27 22.9 00000001r
PM 05:57:55: # LV 1K 00019.12 lr
PM 05:57:55: #110.0 009 036.0 60.0r

```

Buttons: **Clear**

■ **Help > Help**

This is to help to illustrate each feature/option that NetAgent offers

**NetAgent 9 Mini & NetAgent 9**

<b>Information</b>	<b>System Information</b>
System Status	This section is to show NetAgent system information. Values in Hardware Version/Firmware Version/Serial Number/System Time, are provided by NetAgent itself. Other values are user settings from the Configuration pages.
Basic Information	<b>Network Status</b>
Current Status	This section is to show NetAgent Network settings. The MAC address is provided by NetAgent. All other values in this section are user settings from the Configuration pages.
Remote Control	<b>Wireless Status</b> (Only with BX Models)
Meter/Chart	This section is to show the information that wireless network obtained.
SMS Modem Status	
Modem Basic Info.	
NetSwitch Status	
NetFeeler II	
<b>Configuration</b>	
<b>Log Information</b>	
<b>Help</b>	

**NetAgent Mini & NetAgent II**

<b>NetAgent Help</b>		System Status
<b>Information</b>	<b>System Information</b>	This section is to show NetAgent system information. Values in Hardware Version/Firmware Version/Serial Number/System Time, are provided by NetAgent itself. Other values are user settings from the Configuration pages.
System Status	<b>Network Status</b>	This section is to show NetAgent Network settings. The MAC address is provided by NetAgent. All other values in this section are user settings from the Configuration pages.
Basic Information		
Current Status		
Remote Control		
Meter/Chart		
Modem Status		
→ Modem Basic Information		
NetSwitch Status		
NetFeeler II		
<b>Configuration</b>		
<b>Log Information</b>		
<b>Help</b>		



## ■ Help > About

### About

It shows NetAgent's hardware/firmware and serial number.

### Save/Restore Settings

#### Save Current Configuration

Click on Save to save the configuration to your PC. The text file will have a default format of YYYY\_MMDD\_####.cfg. Administrator permission required.

#### Restore previous configuration

Use this function to restore a \*.cfg configuration that has been saved earlier. Click Browse... to the location of the file and click **Restore**.

#### Reset to factory default

This function will reset all settings to its default value.

NetAgent 9 Mini & NetAgent 9

The screenshot shows the 'Help > About' page in the NetAgent 9 web interface. The left sidebar contains navigation options: Information, Configuration, Log Information, Help, Search NetAgent, Serial Port Debug, Help, and About. The main content area is titled 'Help > About' and has two tabs: 'About' and 'Firmware Update Settings'. The 'About' tab is active, showing a table with the following data:

About	
Firmware Version	3.5.BY506
Hardware Version	HBY506
Serial Number	3927225097

Below the table is the 'Save/Restore Settings' section with three options: 'Save current configuration' (with a 'Save' button), 'Restore previous configuration' (with a 'Browse...' button and a 'Restore' button), and 'Reset to factory default' (with a 'Reset' button). At the bottom right, there is contact information for Mega System Technologies, Inc. and a logo with the text 'READY'.

### Firmware Update Settings

Default FTP server is set as [ftp.icv99.com](http://ftp.icv99.com) with its username/password. Click on Update Now, NetAgent will connect to the FTP server and upgrade to the latest firmware version accordingly. Or, it could upgrade per preset time

The screenshot shows the 'Firmware Update Settings' page in the NetAgent 9 web interface. The left sidebar is the same as in the previous screenshot. The main content area has two tabs: 'About' and 'Firmware Update Settings'. The 'Firmware Update Settings' tab is active, showing the following configuration options:

- FTP Server:
- User:
- Password:
- Update Now >> (button) and Apply (button)
- Auto Update: Every  At  (Hour : Minute) Apply (button)
- Update Firmware from FTP Client:  Enable Apply (button)
- Firmware Update (button)

A yellow box highlights the 'Update Now >>' button. A green box highlights the 'Update Firmware from FTP Client' section, and a yellow arrow points to the 'Enable' checkbox. At the bottom right, there is contact information for Mega System Technologies, Inc. and a logo with the text 'READY'.

To enable NetAgent's FTP firmware upgrade, please download the appropriate firmware version from the website and upgrade through FTP Client Software.

## NetAgent Mini & NetAgent II

The screenshot shows the NetAgent web interface. On the left is a navigation menu with options: Information, Configuration, Log Information, and Help (with sub-options: Search NetAgent, Serial Port Debug, Help, About). The main content area is titled 'About' and displays device information: Firmware Version (2.48.BT506.EAST), Hardware Version (HBT506), and Serial Number (3926404591). Below this is the 'Save/Restore Settings' section with buttons for Save, Restore\*, and Reset. The 'Firmware Update Settings' section is highlighted with a yellow box and contains fields for FTP Server (ftp.icv99.com), User (netageast), Password (masked), and an 'Update Now >>' button. Below this is an 'Auto Update' section with a dropdown set to 'NO' and a time field set to '02:00'. A green box highlights the 'Update Firmware from FTP Client' section, which has a dropdown set to 'Enable' and an 'Apply\*' button. A red note states: '\*: System will reboot when these items have been Applied.' At the bottom right, contact information for Mega System Technologies, Inc. is provided: Tel: +886-2-87922060, Fax: +886-2-87922066, E-mail: netagent@megatec.com.tw, and http://www.megatec.com.tw. A 'Firmware Update' button is located at the bottom left of the main content area.

### Update Firmware from FTP Client

-Select on Enable

-Download the appropriate firmware version from website  
(<http://www.megatec.com.tw>)

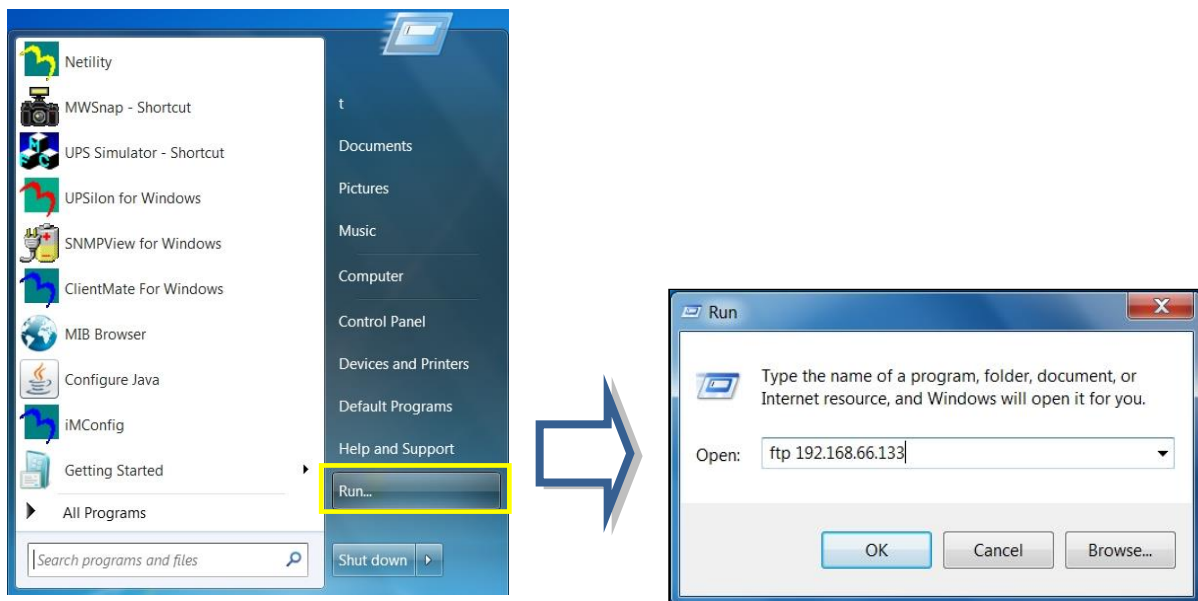
-Unzip the file and know the directory path

The screenshot shows the 'NetAgent 9' firmware download page. It includes a navigation menu on the left with links for Software Downloads, Technical Support & FAQ, Online Ordering, and Shipment Tracking. The main content area contains a 'NetAgent 9' header, a 'NetAgent Firmware download procedure' with three steps, and a table of firmware files. A red arrow points from the table to a computer icon. A warning message is visible at the bottom of the table.

Model	NEW Firmware name	Release Date
DY520	<a href="#">3.5.DY520.a.zip</a>	23rd December, 2016
DL520	<a href="#">3.5.DL520.zip</a>	23rd December, 2016
CY504	<a href="#">3.5.CY504.zip</a>	23rd December, 2016
BY506	<a href="#">3.5.BY506.zip</a>	23rd December, 2016
DX520	<a href="#">3.5.DX520.zip</a>	
CX504	<a href="#">3.5.CX504.zip</a>	
BX506	<a href="#">3.5.BX506.zip</a>	

**Warning:** BX Unit with 3.1 BX506 MI LIST

## -Execute ftp + NetAgent's IP address



## -FTP login

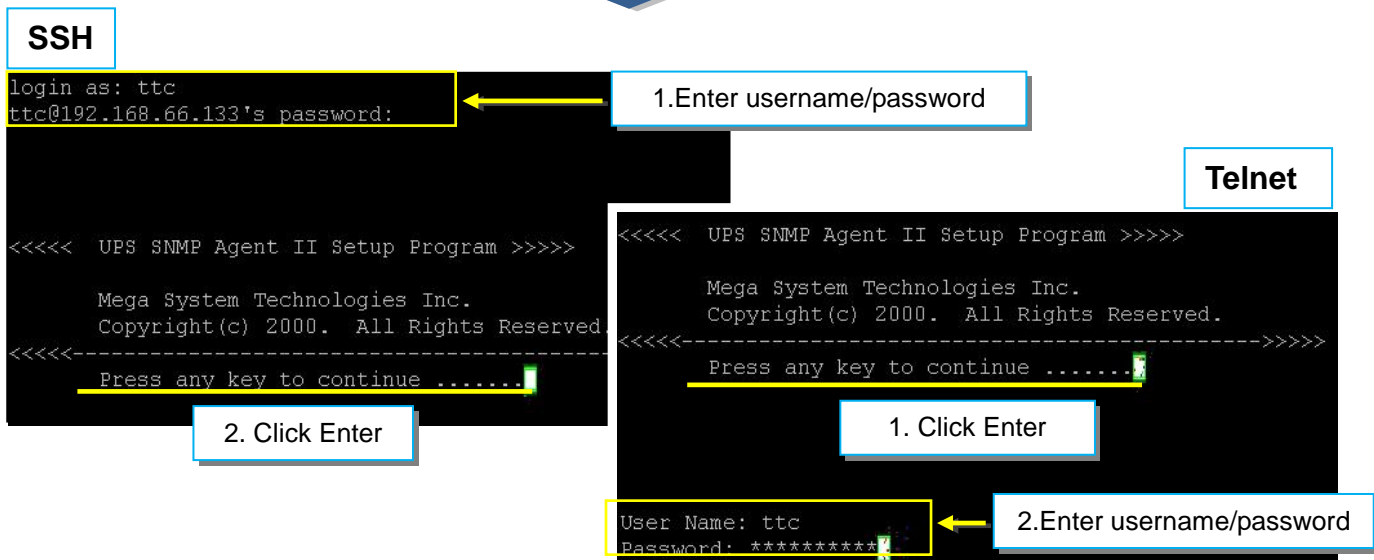
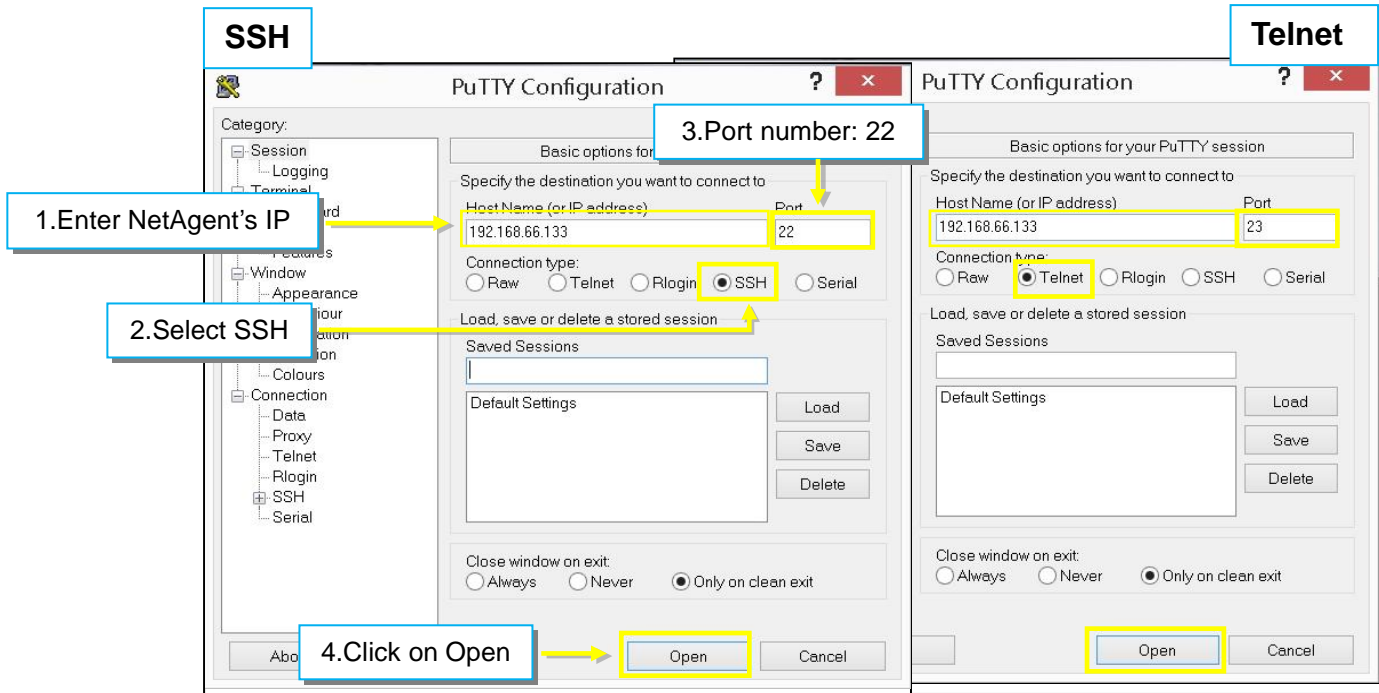
```
Connected to 192.168.66.133.
220 Service ready for new user
User (192.168.66.133:(none)): admin
331 need password
Password:
230 OK
ftp> ls
200 Port command successful.
150 Opening ASCII mode data connection for file list
3.4.BY506.bin
226 Transfer complete.
ftp: 15 bytes received in 0.00Seconds 15000.00Kbytes/sec.
ftp> put d:\fw\3.5.BY506.bin
200 Port command successful.
150 Opening data connection for 3.5.BY506.bin
226 file received ok.
ftp: 7733248 bytes sent in 8.52Seconds 907.87Kbytes/sec.
ftp> quit
```

1. Enter username/password that configured on Netility
2. Enter command ls to show available firmware bin file
3. Enter put command with bin file directory
4. Once complete, enter command quit

## Chapter 5. Telnet/ SSH

Despite to login to the NetAgent's webpage, it could also access via Telnet or SSH

- ✳ Ensure NetAgent port 22 is enabled when using SSH connection and username/password are required.
- ✳ When using Telnet, port 23 must be enabled



Enter to the Main Menu and enter the number of the option under **Select =>** and press ENTER

```
<<<<<          Main Menu          >>>>>
<----->
1. Set IP Address.
2. Set SNMP MIB System.
3. Set SNMP Access Control.
4. Set SNMP Trap Notification.
5. Set UPS Properties.
6. Set UPS Devices Connected.
7. Set System Time & Time Server.
8. Set Web and Telnet User Account.
9. Set E-mail.
a. Reset Configuration to Default & Reboot
b. Set Environment Group.
c. Save & Reboot.
0. Exit Without Saving.

Select => 1  ← Select
```

**1.Set IP Address :**

This function allows you to setup IP Address, Gateway Address, Subnet Mask

**2.Set SNMP MIB System :**

To set the MIB system group parameters.

**3.Set SNMP Access Control :**

To set the Manager IP, Community, Access Permission.

**4.Set SNMP Trap Notification :**

To set Trap notification

**5.Set UPS Properties :**

To setup the Communication Type of UPS, UPS Device Name and Battery Replacement Date.

**6.Set UPS Device Connect :**

To setup the System Name, Rating which connected., Connected.

**7.Set System Time & Time Server :**

To setup the System date, time and two time servers.

**8.Set Web and Telnet user Account :**

This is allows to set users account's authority.

**9.Set E-mail :**

To set e-mail accounts to receive power event notification for emergency management.

**a.Reset configuration to Default & Reboot :**

Set all values to their default settings.

**b.Set Environment Group :**

To set critical value for environmental sensor

**c.Save & Reboot :**

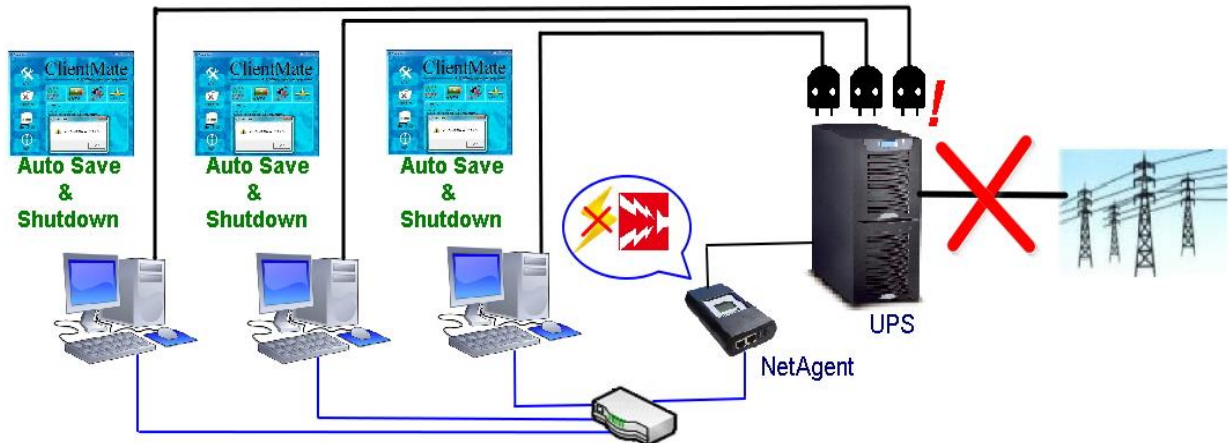
Save the current configuration data, including any changes you have made, and reboot the Net Agent.

**0.Exit Without Saving :**

Exit, all configuration changes will be lost

## Chapter 6. ClientMate

ClientMate is shutdown software for PC that connects with NetAgent. This utility is for the Windows platform. When the ClientMate gets the power failure signal from the NetAgent. The ClientMate will save the files and shutdown the system gracefully. When the hardware installation of the NetAgent has been completed, install the ClientMate on any of the Windows system on the network. When ClientMate detects AC Fail, Battery Low, Schedule Shutdown signals from the NetAgent, it will save the file and shutdown the system gracefully to avoid system crash.



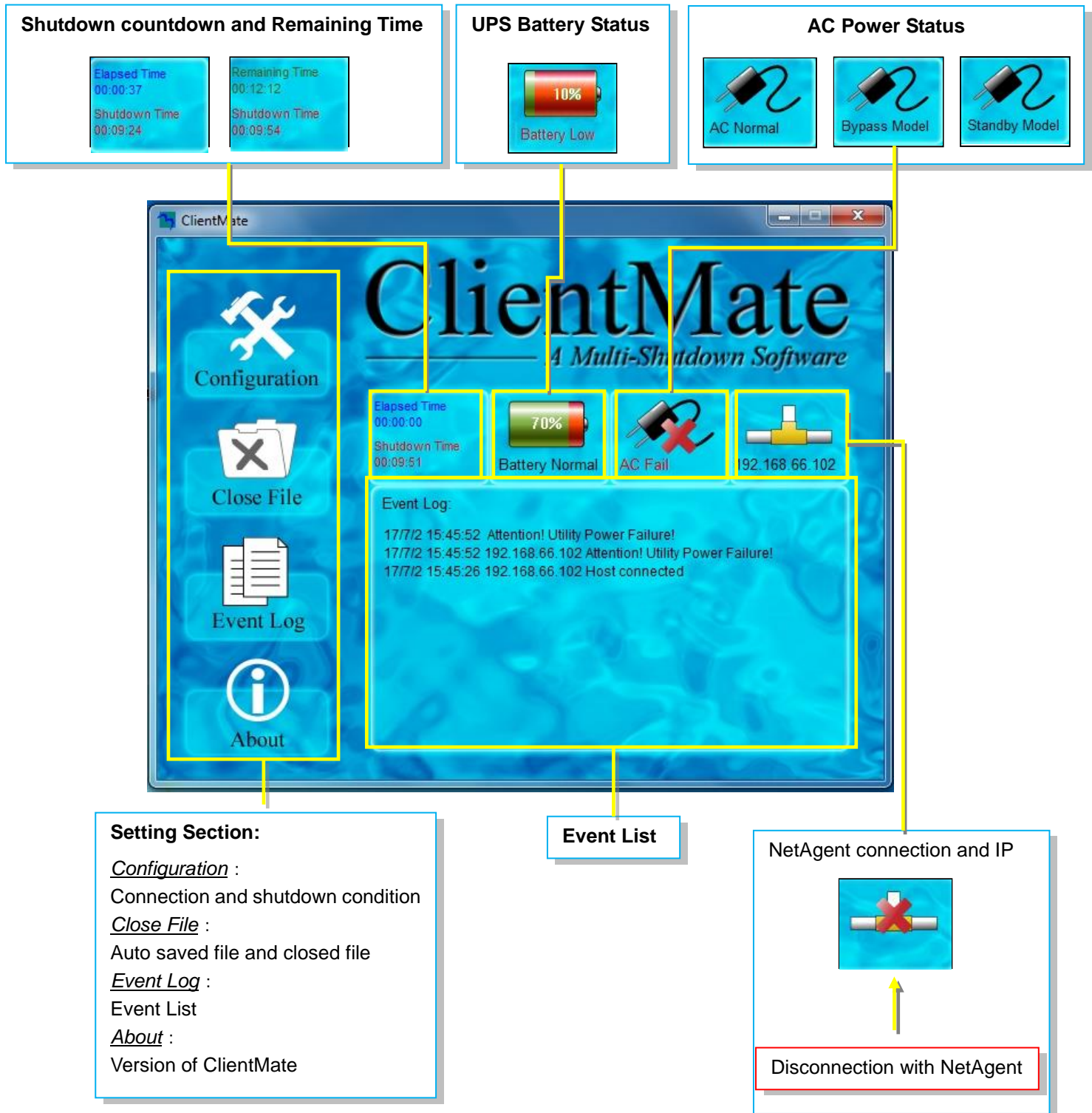
### Installation and setup

ClientMate software is available in the CD provided with NetAgent. After installed, it save under directory of

All Program > NetAgent > ClientMate > ClientMate for Windows



## Operation Interface



## Configuration

The image illustrates the configuration process in ClientMate software. It shows three main windows: the main ClientMate interface, the 'Configure' dialog, and the 'Add' dialog.

**ClientMate Main Interface:** The 'Configuration' button (represented by a wrench and screwdriver icon) is highlighted with a yellow box. Other buttons include 'Close File' and 'Event Log'.

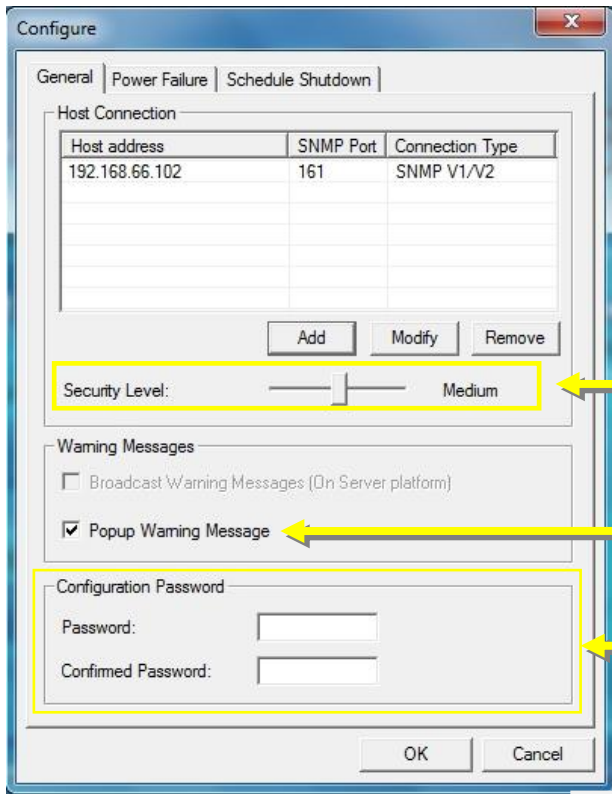
**Configure Dialog:** This dialog has three tabs: 'General', 'Power Failure', and 'Schedule Shutdown'. The 'Host Connection' section contains a table with columns 'Host address', 'SNMP Port', and 'Connection Type'. Below the table are 'Add', 'Modify', and 'Remove' buttons. A callout box points to the 'Add' button with the text: "Click Add to add NetAgent device".

**Add Dialog:** This dialog is used to add a new host connection. It has a 'Host Connection' section with radio buttons for 'SNMP V1/V2', 'SNMP V3', and 'UPSilon/RUPS'. The 'SNMP V1/V2' option is selected. To the right are fields for 'User Name:', 'Password:', 'Authenticate:' (with a dropdown menu set to 'MD5'), and 'Privacy:' (with a dropdown menu set to 'DES'). Below these are fields for 'Host:' (containing '192.168.66.102'), 'SNMP port:' (containing '161'), and 'Community:' (containing 'public'). A 'Query...' button is next to the 'Host' field. A callout box points to the 'Host' field with the text: "Enter IP address of NetAgent or UPSilon. Click on Query to show all available NetAgent".

**Connection Query Dialog:** This dialog shows the results of a query. It has a title bar 'Connection Query' and a list titled 'Available List'. The list contains three entries: '(N) 192.168.66.102', '(N) 192.168.66.102', and '(\$) 192.168.66.101'. A mouse cursor is pointing at the first entry. Below the list are 'Refresh', 'Connect', and 'Cancel' buttons. A callout box points to the list with the text: "(N) = NetAgent (S) = UPSilon PC".

**General Information:** A callout box at the top right states: "To select connection via SNMP or UPSilon. If SNMPV3, username/password, Authenticate, privacy are required".





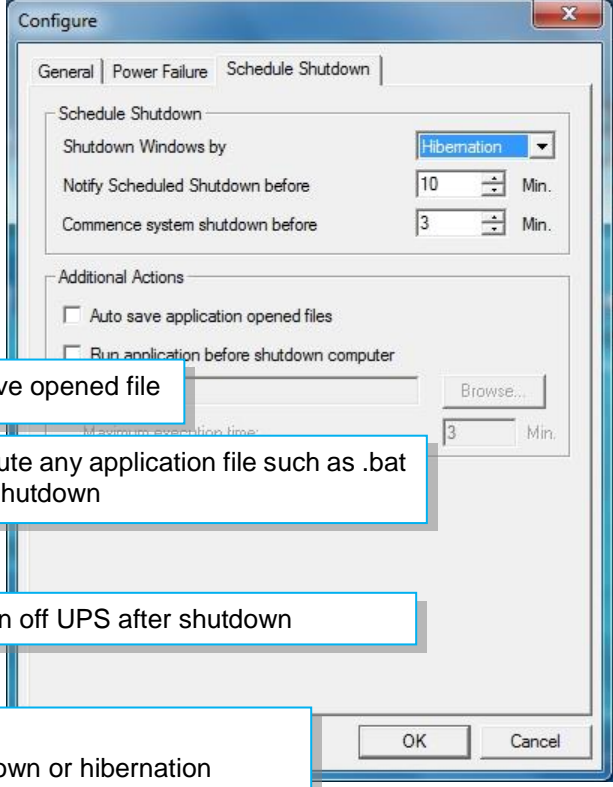
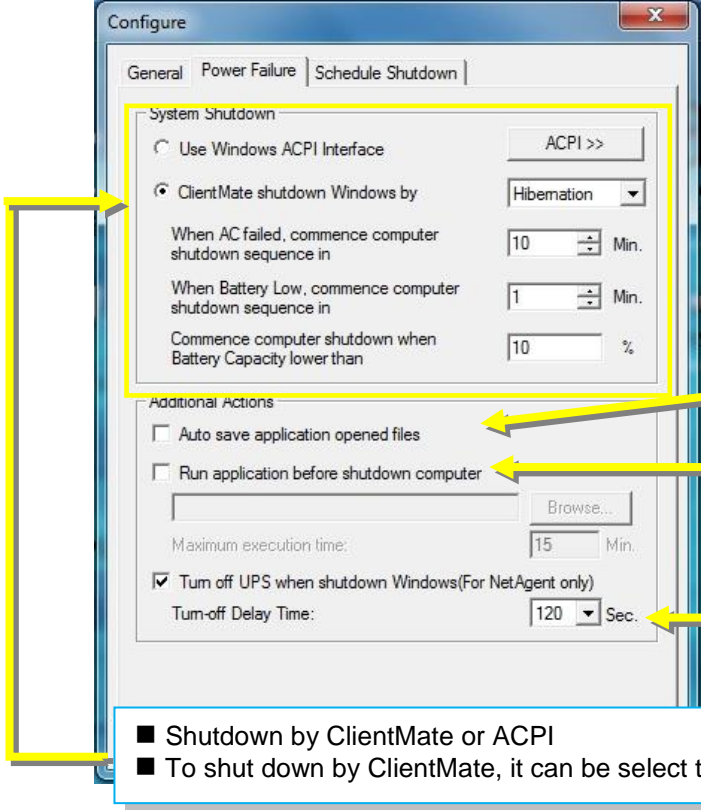
If connect with multi NetAgent, shutdown condition can be perform by security level.  
 Low : All NetAgent with AC failure condition  
 Medium : 50% NetAgent device has AC failure condition  
 High : AC failure from any/single NetAgent would shutdown

If to have pop warning message

If password is required for any configuration change

**Power Failure/Shutdown Condition**

**Shutdown by Scheduling**

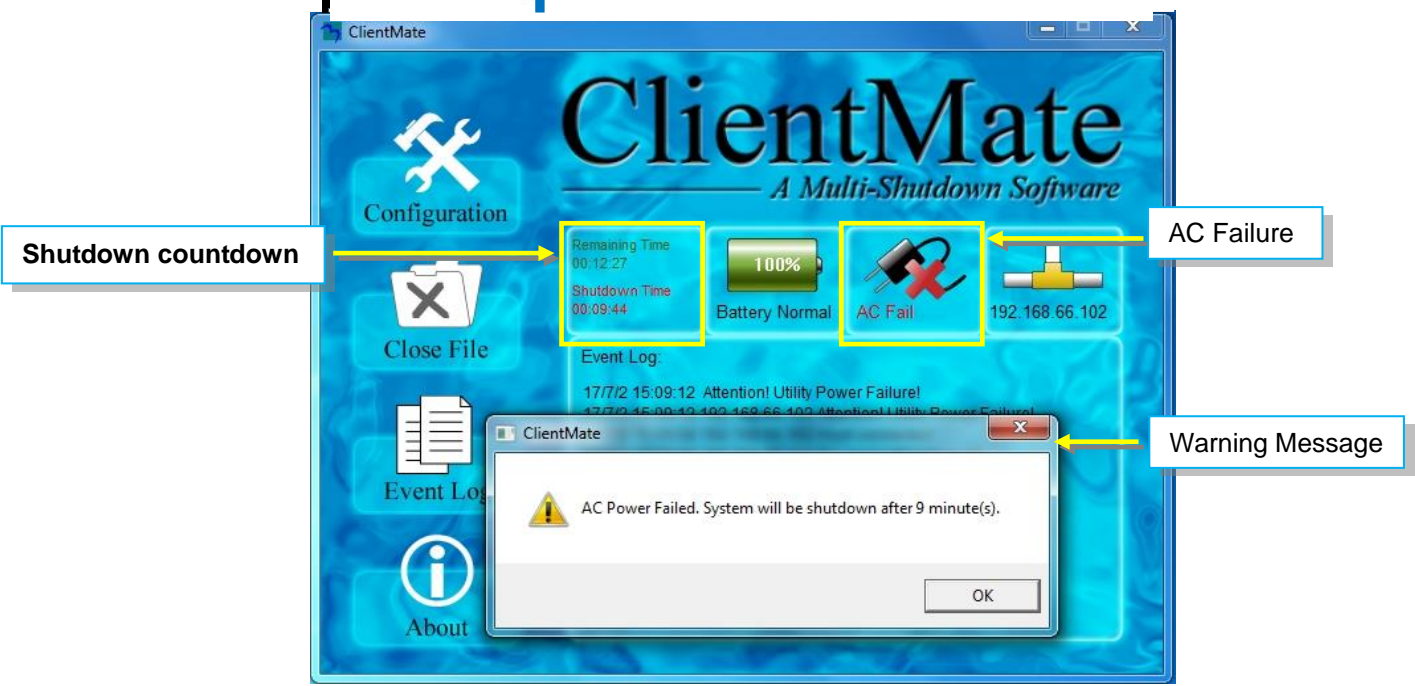
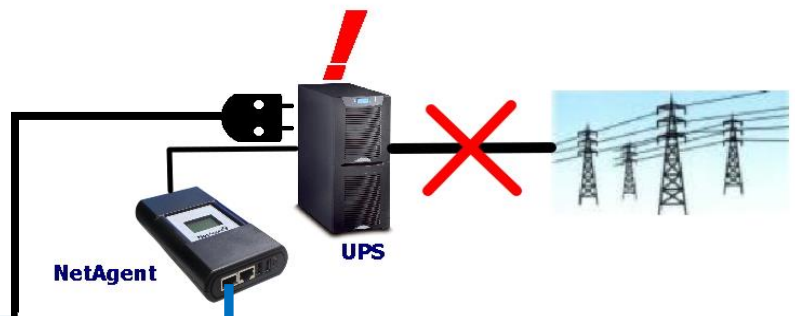
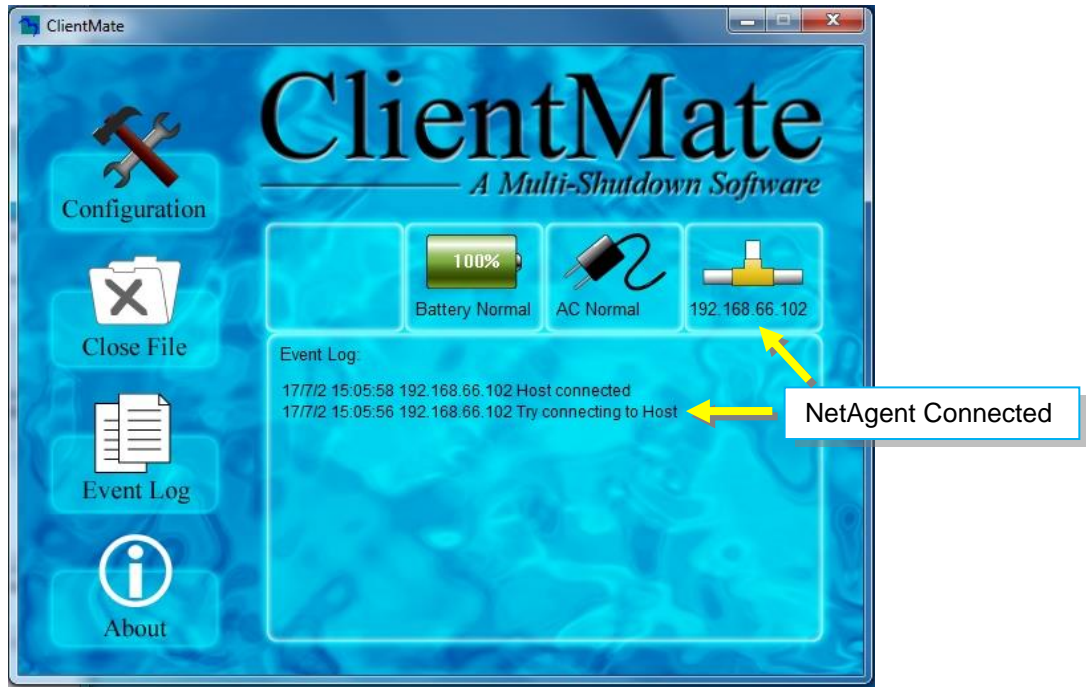


Auto save opened file

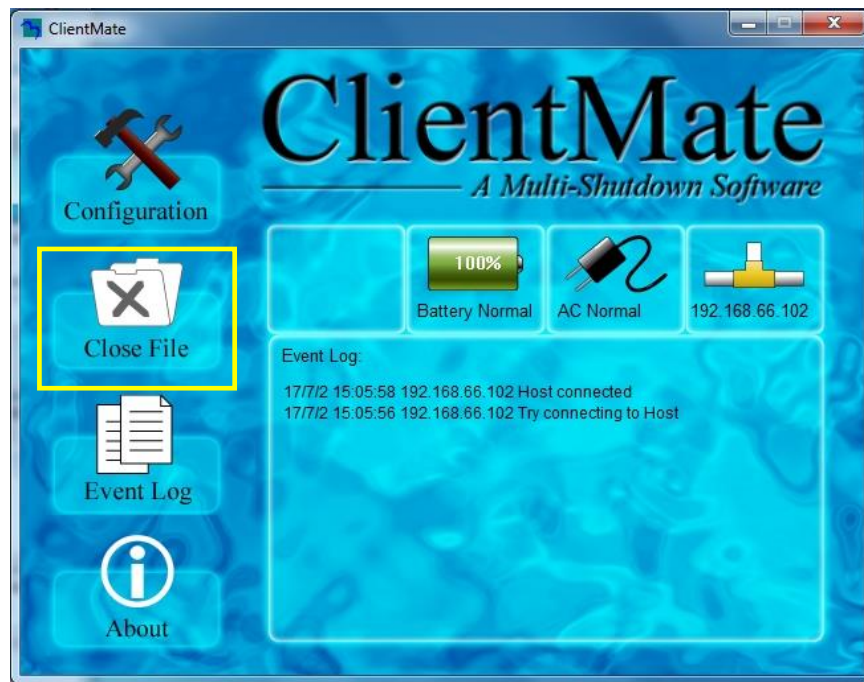
To execute any application file such as .bat before shutdown

To turn off UPS after shutdown

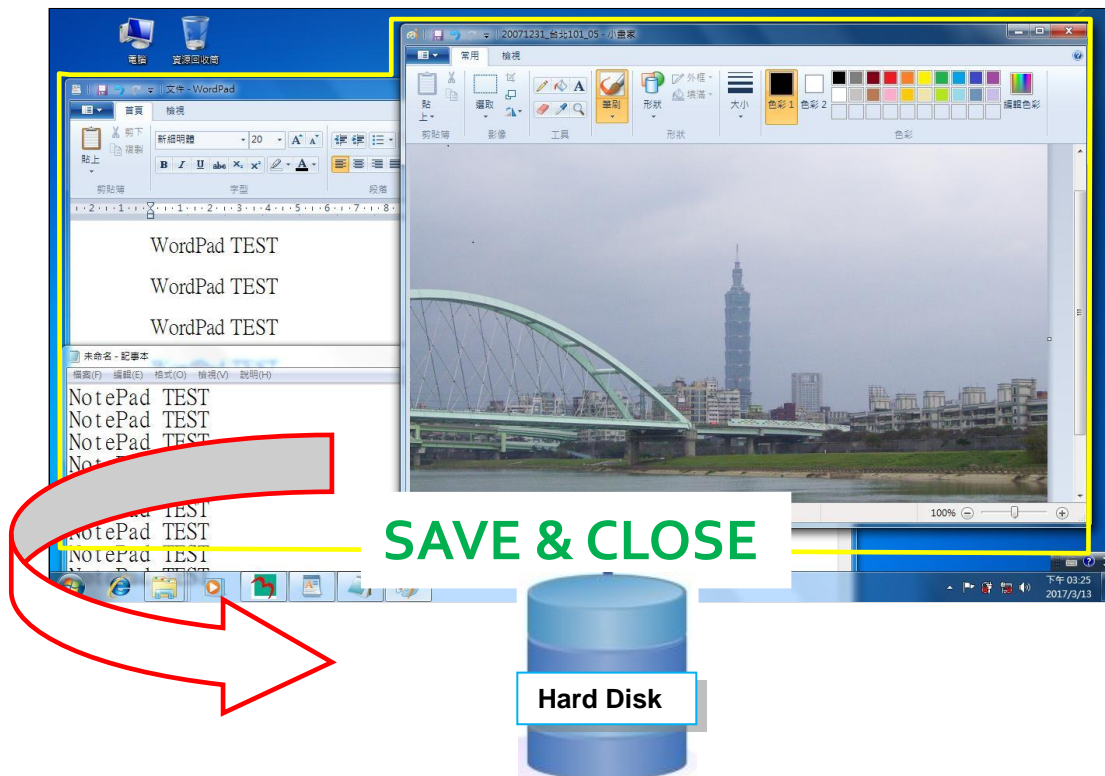
- Shutdown by ClientMate or ACPI
- To shut down by ClientMate, it can be select to be shut down or hibernation



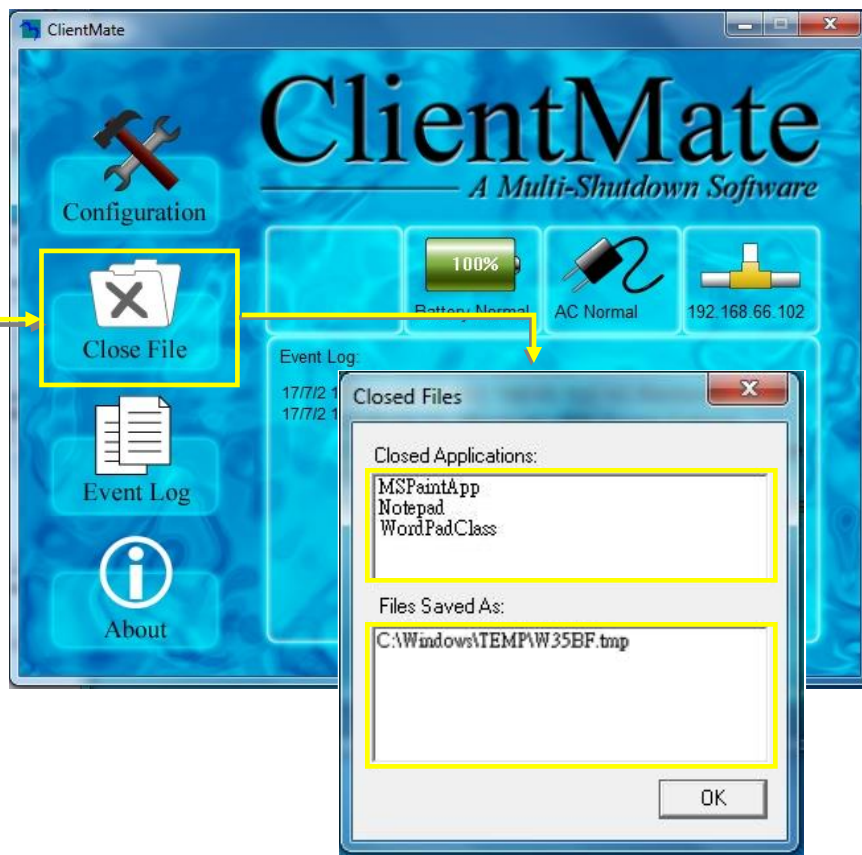
## Close File



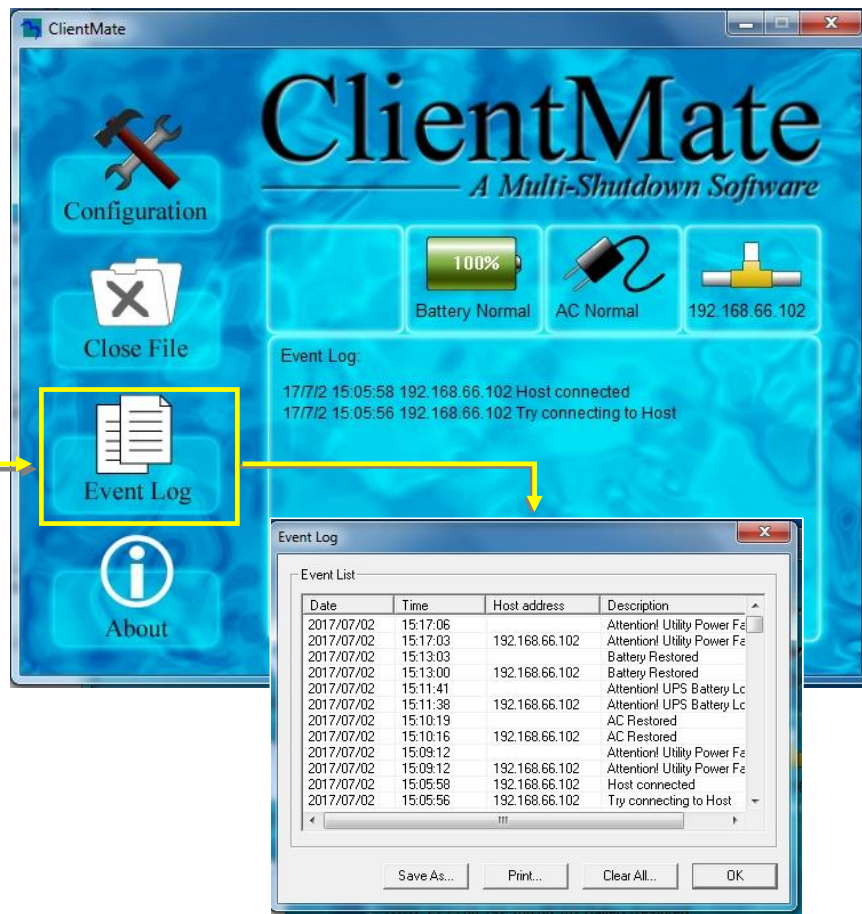
If select to auto save file before shutdown, ClientMate will save the file and file can be check from Closed File



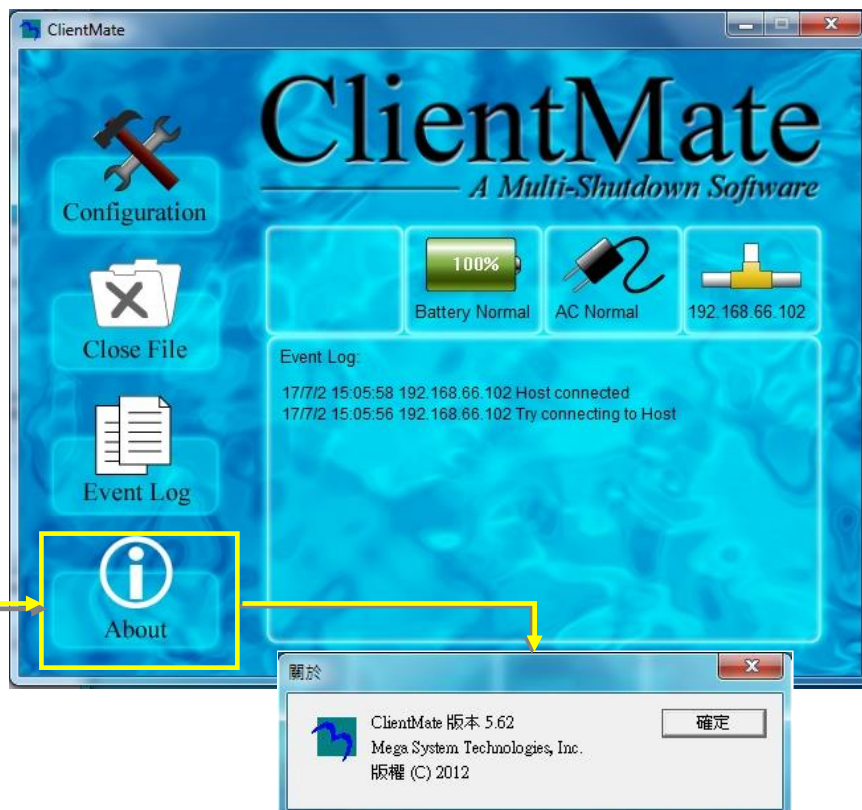
Closed Application or Files Saved As



## Event Log



## About



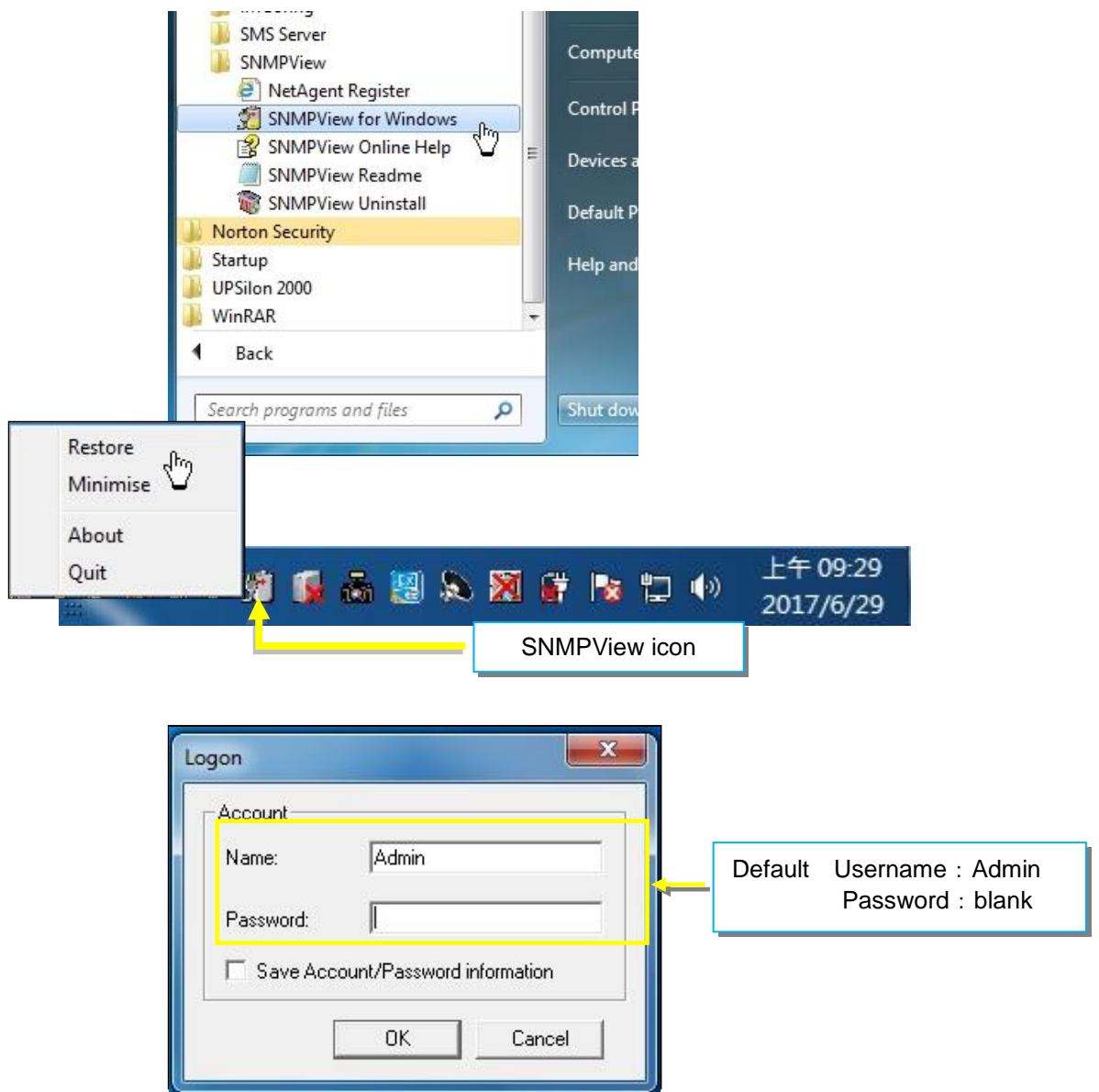
## Chapter 7. SNMP View

SNMPView is a NMS software to remotely monitor and control multiple UPS with NetAgent.. When an event occurs, SNMPView can be programmed to send an email or trap to inform the designated network manager. It can also inform the user of the UPS current condition or configuration, perform self-test, send a history file, turn the UPS On/Off and more.

### Installation and setup

SNMP View software is available in the CD provided with NetAgent. After installed, it saves under directory of

All Programs >NetAgent > SNMPView > SNMP for Windows



# Operation Interface

## Setting Section

Group	UPS	Host Name	Location	Output Status	Connection Status	Temperature	Loading	Output Volta...	Capacity	AC Status	Battery Status	NetFeeler II	Manager
NetAgent 2F Control room 3F IDC 6F IDC NetProbe	192.168.66.102	BT506	2F	AC mode	Connection Normal	30.1	10.0	220.1	100%	AC Normal	Battery Normal	Have	Administrator
	192.168.66.103	BY506	2F	AC mode	Connection Normal	30.1	10.0	220.1	100%	AC Normal	Battery Normal	Have	Administrator
	192.168.66.101	DY520	Off-Line	Off-Line	Off-Line	Off-Line	Off-Line	Off-Line	Off-Line	Off-Line	Off-Line	Off-Line	Off-Line

User: Admin. Location:2F Control room 0 UPS,0 UPS group has been selected | 3 UPS in the list.1 UPS lost communication. | 14:48:38

## Group Station

## Connection Information

## NetAgent and UPS Info

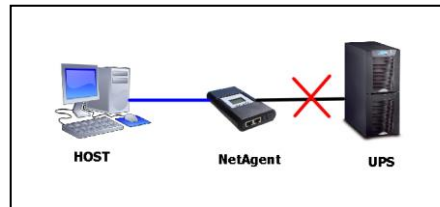
## NetAgent Info

## UPS connection status and information

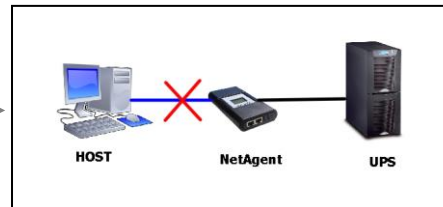
## NetFeeler Status

UPS	Host Name	Location	Output Status	Connection Status	Temperature	Loading	Output Voltage	Capacity	AC Status	Battery Status	NetFeeler II	Manager
192.168.66.102	BT506	2F	AC mode	Connection Normal	30.1	10.0	220.1	100%	AC Normal	Battery Normal	Have	Administrator
192.168.66.103	BY506	2F	AC mode	Connection Normal	30.1	10.0	220.1	100%	AC Normal	Battery Normal	Have	Administrator
192.168.66.101	DY520	Off-Line	Off-Line	Off-Line	Off-Line	Off-Line	Off-Line	Off-Line	Off-Line	Off-Line	Off-Line	Off-Line

## Disconnection between NetAgent and UPS



	Connection normal with NetAgent
	Disconnect with NetAgent
	AC Failed
	UPS battery low
	Bypass mode



## Setting Tab/Device

Device		
Enumerate	F5	Auto search Online NetAgent
Add Group...	F6	Add NetAgent into Group
Add UPS...	Ins	Add NetAgent
Delete...	Del	Delete NetAgent
Browse...		Browse NetAgent
Export Configurations...		Export NetAgent Configuration
Import Configurations...		Import NetAgent Configuration
Open archive Event Log...		Open NetAgent SnmpElog.dat
Open archive Data Log...		Open NetAgent SnmpDlog.dat
Quit		

Data Log

UPS Data | Environment Data

UPS	Host Name	Startup Time...	Input Vo...	Output	Battery	Capacity	Loading	Temper...
192.168.0.132	BT506-Smart	2017/6/28 17:...	220.1	220.1	27.1	100.0	10.0	30.1
192.168.0.148	UPS Agent S...	2017/6/28 17:...	104.1	110.0	2.1	100.0	33.0	31.2
192.168.0.31	BT506-Smart	2017/6/28 17:...	103.3	109.7	2.2	100.0	5.0	22.0
192.168.0.32	NETPROBE.N...	2017/6/28 17:...	23.77/60	0.00/50	0/80%u	0.00/0...	0.00/0...	
192.168.0.30	NetProbe Mtr...	2017/6/28 17:...	Min	25.47/61	10.00/1...	10/100%	0.00/0...	
192.168.0.29	DY520-Smart	2017/6/28 17:...	220.1	220.1	27.1	100.0	10.0	30.1
192.168.0.198	inone1-Smart	2017/6/28 17:...	208.4	208.6	2.0	63.0	34.0	35.0
192.168.0.175	BT506-Smart	2017/6/28 17:...	220.1	220.1	27.1	100.0	10.0	30.1
192.168.0.229	UPS Agent S...	2017/6/28 17:...	208.4	208.4	21.5	100.0	10.0	35.0
192.168.0.211	BT506-Smart	2017/6/28 17:...	109.3	109.3	2.2	100.0	10.0	22.0
192.168.0.212	NETPROBE.N...	2017/6/28 17:...	23.38/59	0.00/50	0/80%u	0.00/0...	0.00/0...	
192.168.0.115	NetProbe Mtr...	2017/6/28 17:...	Min	25.00/61	10.00/1...	10/100%	0.00/0...	0.00/0...
192.168.0.212	DY520-Smart	2017/6/28 17:...	220.1	220.1	27.1	100.0	10.0	30.1
192.168.0.146	inone1-Smart	2017/6/28 17:...	208.4	208.6	2.0	63.0	34.0	35.0
192.168.0.148	BT506-Smart	2017/6/28 17:...	220.1	220.1	27.1	100.0	10.0	30.1
192.168.0.30	UPS Agent S...	2017/6/28 17:...	208.4	208.4	21.5	100.0	10.0	35.0
192.168.0.148	UPS Agent S...	2017/6/28 17:...	104.4	110.0	2.1	100.0	34.0	31.2
192.168.0.115	BT506-Smart	2017/6/28 17:...	109.0	109.6	2.2	100.0	6.0	22.3
192.168.0.211	NETPROBE.N...	2017/6/28 17:...	23.38/61	0.00/50	0/80%u	0.00/0...	0.00/0...	
192.168.0.220	NetProbe Mtr...	2017/6/28 17:...	Min	25.00/61	10.00/1...	10/100%	0.00/0...	0.00/0...

Save As... Print... Clear All

Event Log

Record List

UPS	Date	Time	Description
192.168.0.132	2017/4/19	19:51:13	NetAgent is not able to connect to UPS.
192.168.0.148	2017/4/19	19:51:14	NetAgent is not able to connect to UPS.
192.168.0.31	2017/4/19	19:51:14	NetAgent is not able to connect to UPS.
192.168.0.32	2017/4/19	19:51:14	NetAgent is not able to connect to UPS.
192.168.0.30	2017/4/19	19:51:15	NetAgent is not able to connect to UPS.
192.168.0.29	2017/4/19	19:51:15	NetAgent is not able to connect to UPS.
192.168.0.198	2017/4/19	19:51:15	NetAgent is not able to connect to UPS.
192.168.0.175	2017/4/19	19:51:15	NetAgent is not able to connect to UPS.
192.168.0.229	2017/4/19	19:51:15	NetAgent is not able to connect to UPS.
192.168.0.211	2017/4/19	19:51:15	NetAgent is not able to connect to UPS.
192.168.0.34	2017/4/19	19:51:15	NetAgent is not able to connect to UPS.
192.168.0.115	2017/4/19	19:51:15	NetAgent is not able to connect to UPS.
192.168.0.212	2017/4/19	19:51:25	NetAgent is not able to connect to UPS.
192.168.0.146	2017/4/19	19:54:9	Unable to access the device by network.
192.168.0.148	2017/4/19	19:54:57	Restore the communication with the UPS.
192.168.0.30	2017/4/19	20:1:45	NetAgent is not able to connect to UPS.
192.168.0.115	2017/4/19	20:1:45	NetAgent is not able to connect to UPS.
192.168.0.211	2017/4/19	20:1:45	NetAgent is not able to connect to UPS.
192.168.0.175	2017/4/19	20:1:45	NetAgent is not able to connect to UPS.
192.168.0.220	2017/4/19	20:1:45	NetAgent is not able to connect to UPS.

Save As... Print... Clear All

Add UPS

UPS Information

IP address(Domain): 192.168.66.101

Community: public

Trap community: public

SNMP port: 161

Add subsequent 1 devices

This UPS is a 3-Phase UPS

OK Cancel

Add UPS Group

UPS Group

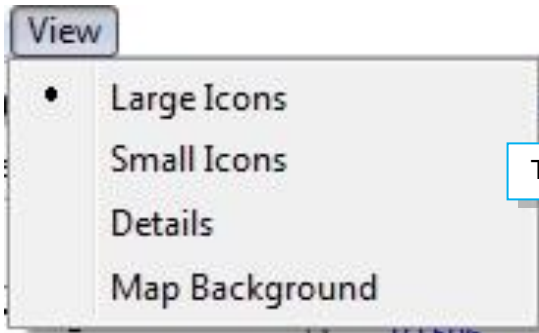
Group name: 2F Control room

Enable Background Map

D:\controlroom\_map.bmp

OK Cancel

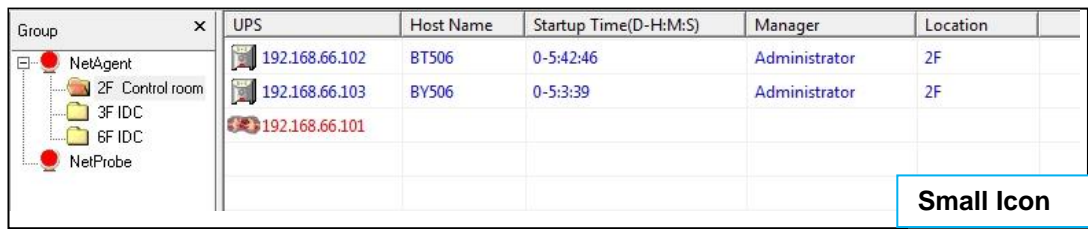




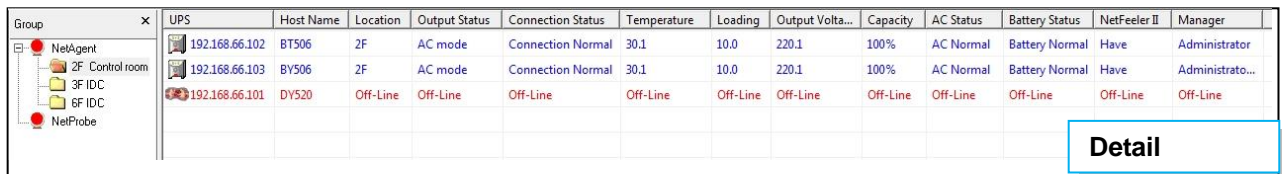
To view NetAgent with different mode



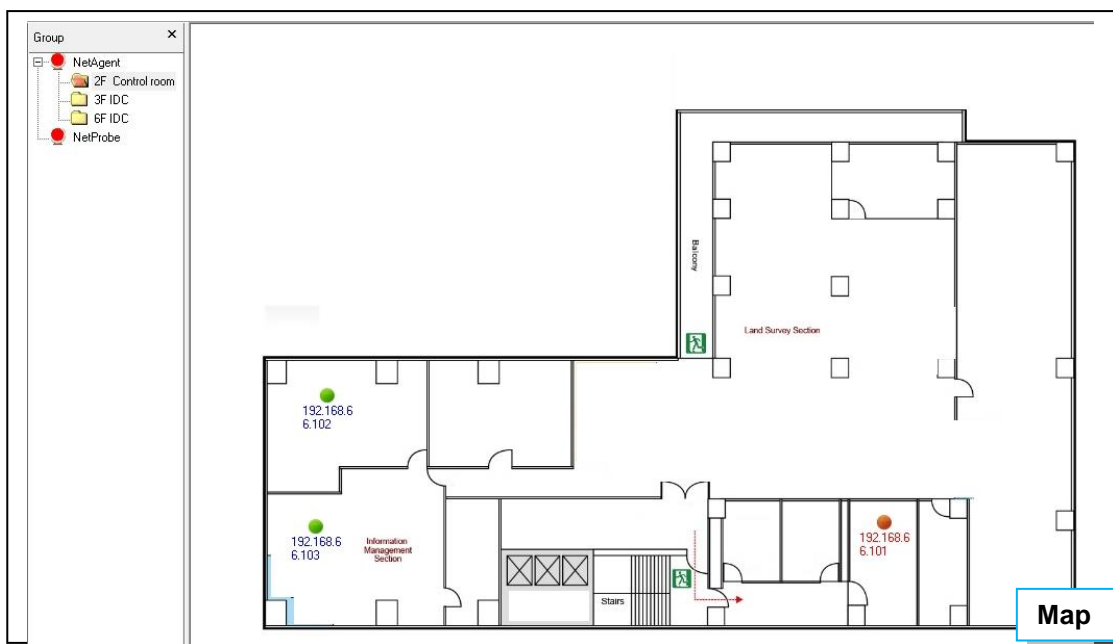
Large Icon



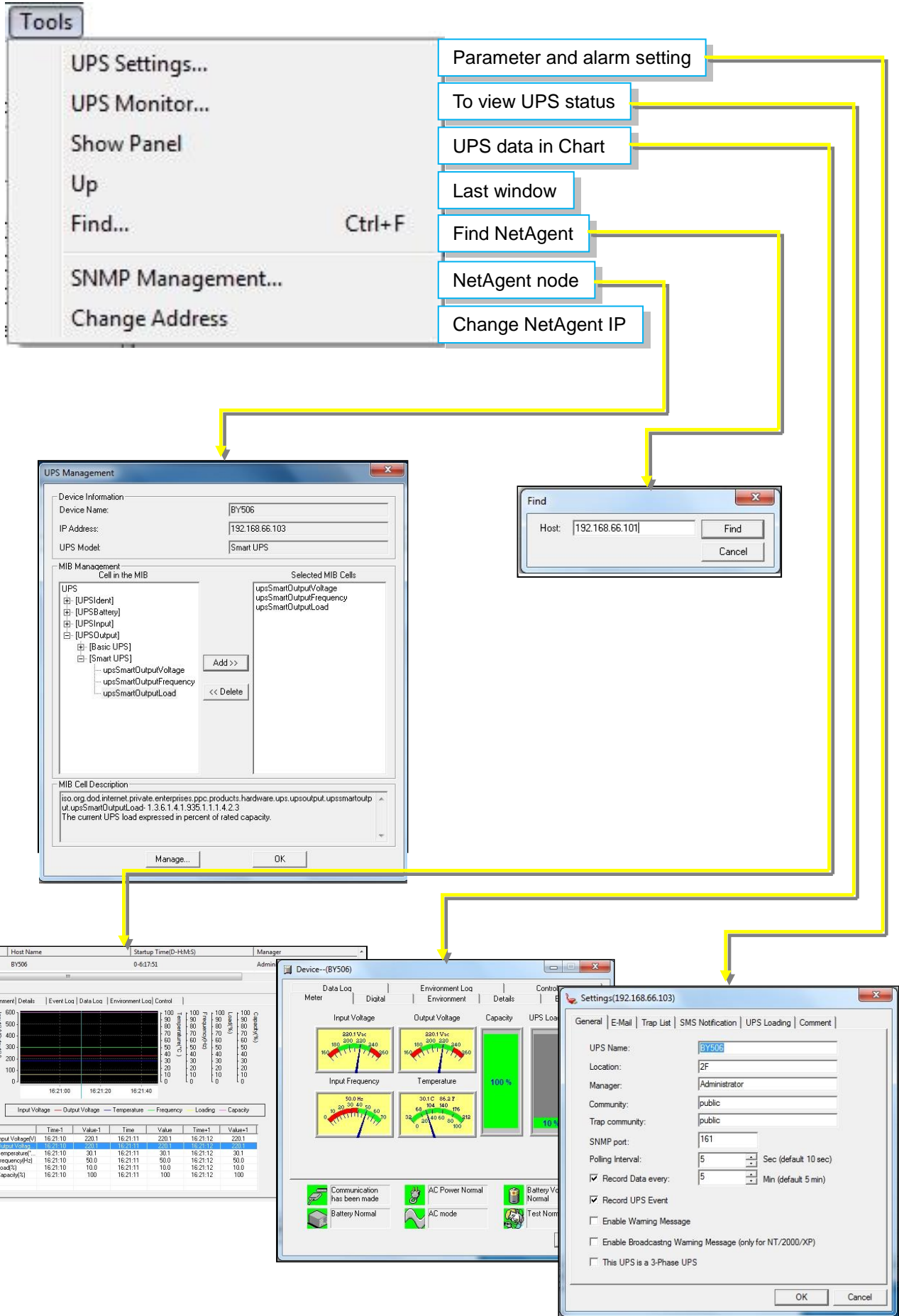
Small Icon



Detail



Map



**Tools**

- UPS Settings...
- UPS Monitor...
- Show Panel
- Up
- Find... Ctrl+F
- SNMP Management...
- Change Address

- Parameter and alarm setting
- To view UPS status
- UPS data in Chart
- Last window
- Find NetAgent
- NetAgent node
- Change NetAgent IP

**UPS Management**

Device Information  
 Device Name: BY506  
 IP Address: 192.168.66.103  
 UPS Model: Smart UPS

MIB Management  
 Cell in the MIB: [UPSIdent], [UPSBattery], [UPSInput], [UPSOutput], [Basic UPS], [Smart UPS]  
 Selected MIB Cells: upsSmartOutputVoltage, upsSmartOutputFrequency, upsSmartOutputLoad

MIB Cell Description  
 iso.org.dod.internet.private.enterprises.pcc.products.hardware.ups.upsoutput.upsmartoutp.ut.upsSmartOutputLoad-1.3.6.1.4.1.935.1.1.1.4.2.3  
 The current UPS load expressed in percent of rated capacity.

**Find**

Host: 192.168.66.103

Find Cancel

**UPS**

Host Name	Startup Time(D-HH:MM:SS)	Manager	
192.168.66.103	BY506	0-6:17:51	Admini...

Chart Meter Digital Environment Details Event Log Data Log Environment Log Control

Input Voltage Output Voltage Temperature Frequency Loading Capacity

Time-1	Value-1	Time	Value	Time-1	Value-1
16:21:10	220.1	16:21:11	220.1	16:21:12	220.1
16:21:10	30.1	16:21:11	30.1	16:21:12	30.1
16:21:10	50.0	16:21:11	50.0	16:21:12	50.0
16:21:10	10.0	16:21:11	10.0	16:21:12	10.0
16:21:10	100	16:21:11	100	16:21:12	100

**Device--(BY506)**

Data Log Digital Environment Log Details Control

Input Voltage: 220.1 V~  
 Output Voltage: 220.1 V~  
 Capacity: 100%  
 Input Frequency: 50.0 Hz  
 Temperature: 30.1 C

Communication has been made  
 AC Power Normal  
 Battery Voltage Normal  
 AC mode  
 Test Normal

**Settings(192.168.66.103)**

General E-Mail Trap List SMS Notification UPS Loading Comment

UPS Name: BY506  
 Location: 2F  
 Manager: Administrator  
 Community: public  
 Trap community: public  
 SNMP port: 161  
 Polling Interval: 5 Sec (default 10 sec)  
 Record Data every: 5 Min (default 5 min)  
 Record UPS Event  
 Enable Warning Message  
 Enable Broadcasting Warning Message (only for NT/2000/XP)  
 This UPS is a 3-Phase UPS

OK Cancel

# System

Event Log...

Data Log...

SNMP Options...

NetAgent Event log

NetAgent Data log

SNMP parameter and SMS Setting

Options

SNMP Options | System sound | SMS Settings | General

Community: public

Default Polling Interval: 5 Secs

UPS SNMP Port: 161

SNMP Trap Port: 162

No response time to determine connection(3-10 polling interval): 10 polling interval

OK Cancel

Data Log

UPS Data | Environment Data

UPS	Host Name	Startup Time...	Input Vo...	Output ...	Battery ...	Capacity	Loading	Temper...
192.168.0.132	BT506.Smart...	2017/6/28 17...	220.1	220.1	27.1	100.0	10.0	30.1
192.168.0.148	UPQ Agent S...	2017/6/28 17...	208.4	208.4	21.5	100.0	10.0	35.0
192.168.0.31	UPS Agent S...	2017/6/28 17...	104.1	110.0	2.1	100.0	33.0	31.2
192.168.0.32	BT506.Smart...	2017/6/28 17...	108.3	108.7	2.2	100.0	5.0	22.0
192.168.0.30	NETPROBE.N...	2017/6/28 17...	23.77/60	0.00/50...	0/80Hu...	0.00/0...	0.00/0...	0.00/0...
192.168.0.29	NetProbe Mini...	2017/6/28 17...	Mini	25.47/61	10.00/1...	10/100...	0.00/0...	0.00/0...
192.168.0.198	DI520.Smart...	2017/6/28 17...	220.1	220.1	27.1	100.0	10.0	30.1
192.168.0.175	Inovel.Smart...	2017/6/28 17...	208.4	208.6	2.0	63.0	34.0	35.0
192.168.0.229	BT506.Smart...	2017/6/28 17...	220.1	220.1	27.1	100.0	10.0	30.1
192.168.0.211	UPQ Agent S...	2017/6/28 17...	208.4	208.4	21.5	100.0	10.0	35.0
192.168.0.220	UPS Agent S...	2017/6/28 17...	104.1	110.0	2.1	100.0	6.0	22.3
192.168.0.212	BT506.Smart...	2017/6/28 17...	109.0	109.6	2.2	100.0	6.0	22.3
192.168.0.212	NETPROBE.N...	2017/6/28 17...	23.36/61	0.00/50...	0/80Hu...	0.00/0...	0.00/0...	0.00/0...
192.168.0.212	NetProbe Mini...	2017/6/28 17...	Mini	25.00/61	10.00/1...	10/100...	0.00/0...	0.00/0...

Save As Print Clear All

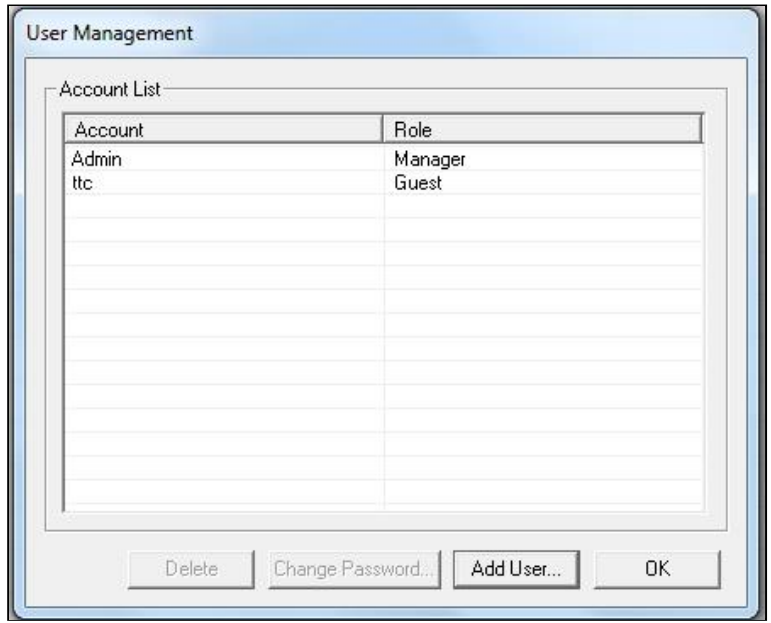
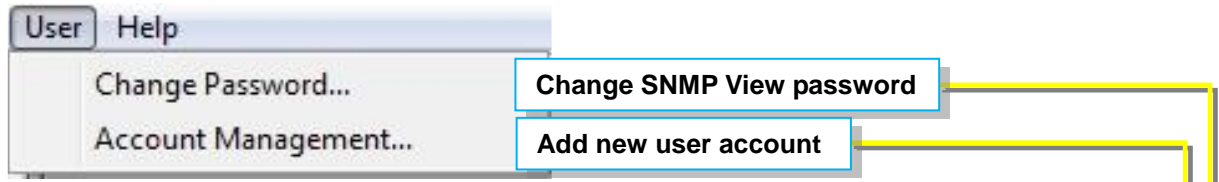
OK Cancel

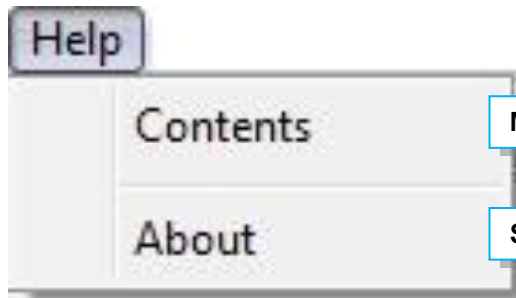
Event Log

Record List

UPS	Date	Time	Description
192.168.0.132	2017/4/19	19:51:13	NetAgent is not able to connect to UPS.
192.168.0.148	2017/4/19	19:51:14	NetAgent is not able to connect to UPS.
192.168.0.31	2017/4/19	19:51:14	NetAgent is not able to connect to UPS.
192.168.0.32	2017/4/19	19:51:14	NetAgent is not able to connect to UPS.
192.168.0.30	2017/4/19	19:51:15	NetAgent is not able to connect to UPS.
192.168.0.29	2017/4/19	19:51:15	NetAgent is not able to connect to UPS.
192.168.0.198	2017/4/19	19:51:15	NetAgent is not able to connect to UPS.
192.168.0.175	2017/4/19	19:51:15	NetAgent is not able to connect to UPS.
192.168.0.229	2017/4/19	19:51:15	NetAgent is not able to connect to UPS.
192.168.0.211	2017/4/19	19:51:15	NetAgent is not able to connect to UPS.
192.168.0.34	2017/4/19	19:51:15	NetAgent is not able to connect to UPS.
192.168.0.115	2017/4/19	19:51:15	NetAgent is not able to connect to UPS.
192.168.0.212	2017/4/19	19:51:25	NetAgent is not able to connect to UPS.
192.168.0.148	2017/4/19	19:54:9	Unable to access the device by network.
192.168.0.148	2017/4/19	19:54:57	Restore the communication with the UPS.
192.168.0.30	2017/4/19	20:1:45	NetAgent is not able to connect to UPS.
192.168.0.115	2017/4/19	20:1:45	NetAgent is not able to connect to UPS.
192.168.0.211	2017/4/19	20:1:45	NetAgent is not able to connect to UPS.
192.168.0.175	2017/4/19	20:1:45	NetAgent is not able to connect to UPS.
192.168.0.220	2017/4/19	20:1:45	NetAgent is not able to connect to UPS.

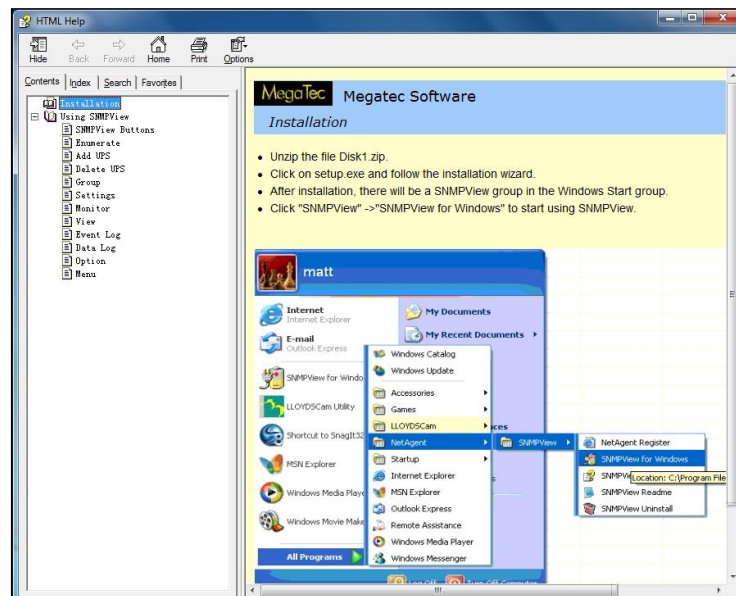
Save As... Print... Clear All OK





Menu Description

SNMPView Version and info



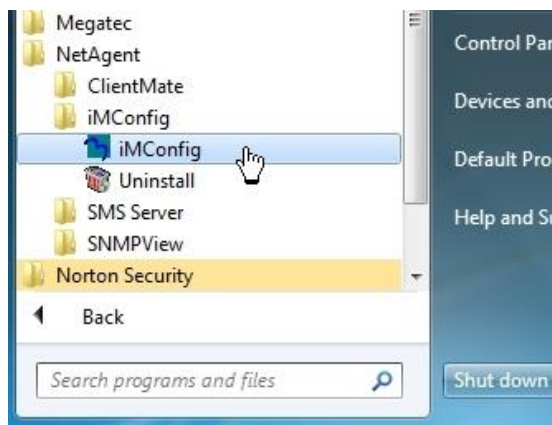
## Chapter 8. iMConfig

iMConfig is a tool software that allows user to change the same parameter on multi NetAgent simultaneously.

### Installation and setup

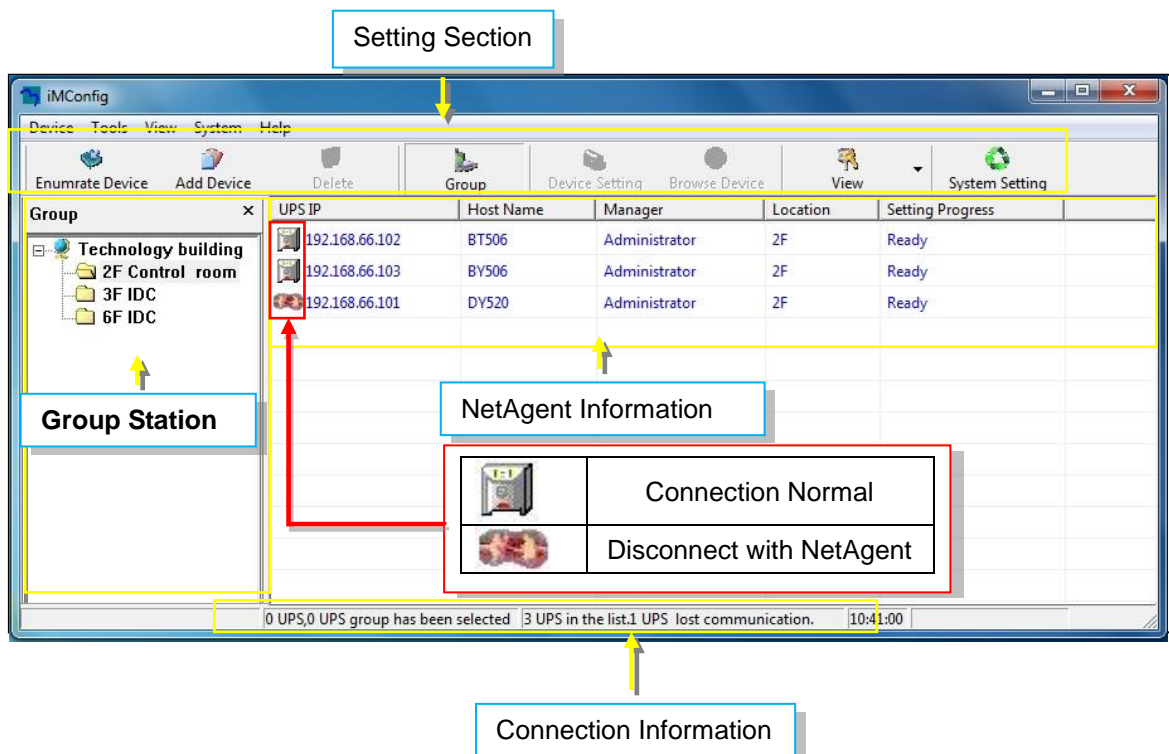
iMConfig is available in the CD provided with NetAgent. After installed, it saves under directory of

All Programs > NetAgent> iMConfig



### Operation Interface

Setting Section



The screenshot shows the iMConfig application window. The title bar reads 'iMConfig'. The menu bar includes 'Device', 'Tools', 'View', 'System', and 'Help'. The toolbar contains icons for 'Enumerate Device', 'Add Device', 'Delete', 'Group', 'Device Setting', 'Browse Device', 'View', and 'System Setting'. On the left, a tree view shows a 'Group' named 'Technology building' with sub-items '2F Control room', '3F IDC', and '6F IDC'. The main area is a table with columns: 'UPS IP', 'Host Name', 'Manager', 'Location', and 'Setting Progress'. The table contains three rows of data. A status bar at the bottom shows '0 UPS,0 UPS group has been selected', '3 UPS in the list.1 UPS lost communication.', and '10:41:00'. A context menu is open over the table, showing 'Connection Normal' and 'Disconnect with NetAgent' options. Annotations with arrows point to various parts of the interface: 'Setting Section' points to the menu bar; 'Group Station' points to the tree view; 'NetAgent Information' points to the table; 'Connection Information' points to the status bar; and 'Connection Information' also points to the context menu.

UPS IP	Host Name	Manager	Location	Setting Progress
192.168.66.102	BT506	Administrator	2F	Ready
192.168.66.103	BY506	Administrator	2F	Ready
192.168.66.101	DY520	Administrator	2F	Ready

Group Station

NetAgent Information

Connection Normal

Disconnect with NetAgent

Connection Information

## Setting Tab

**Device**

Enumerate Device	F5	Auto search online NetAgent
Add Group...	F6	Add NetAgent into Group
Add Device...	Ins	Add NetAgent
Delete	Del	Delete NetAgent
Browse Device...		Browse NetAgent
Quit		

**Add UPS**

UPS Information

IP or Domain name: 192.168.66.101

Community: public

Add subsequent 1 devices

OK Cancel

**Add UPS Group**

UPS Group

Group name: 2F Control building

Enable Background Map

D:\controlroom\_map.bmp Browse...

OK Cancel

**Tools**

Authentication...	Username/password setting
Settings...	NetAgent Parameter Setting

UPS Configuration | UPS On/Off Schedule | SNMP | Email | SMS | System Time | Modem | NetFeeler II

UPS Properties

B.  UPS Communication Type: Contact Closure

C.  Number of Batteries: [ ]

D.  Battery Full Charge Voltage (V): [ ]

E.  Battery Exhausted Charge Voltage (V): [ ]

F.  Date of last battery replacement (yyyy/mm/dd): [ ]

UPS Recorded

G.  UPS Data Log: [ ] minute(s)

Test UPS

H.  Test UPS every: None

I.  Test UPS on Weekday: Sunday

J.  Start Time of UPS Test (h:mm): [ ]

K.  UPS Test Type: 10-Second Test [ ] minute(s)

Warning Threshold Value

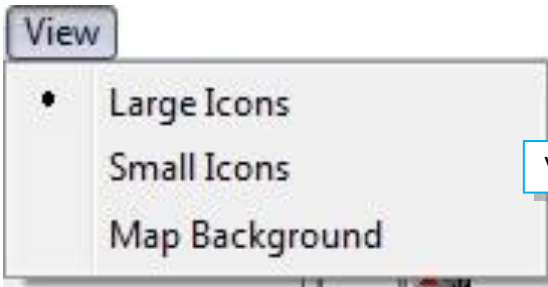
L.  Time out after loss of connection: 30 seconds

M.  Critical Load (%): [ ]

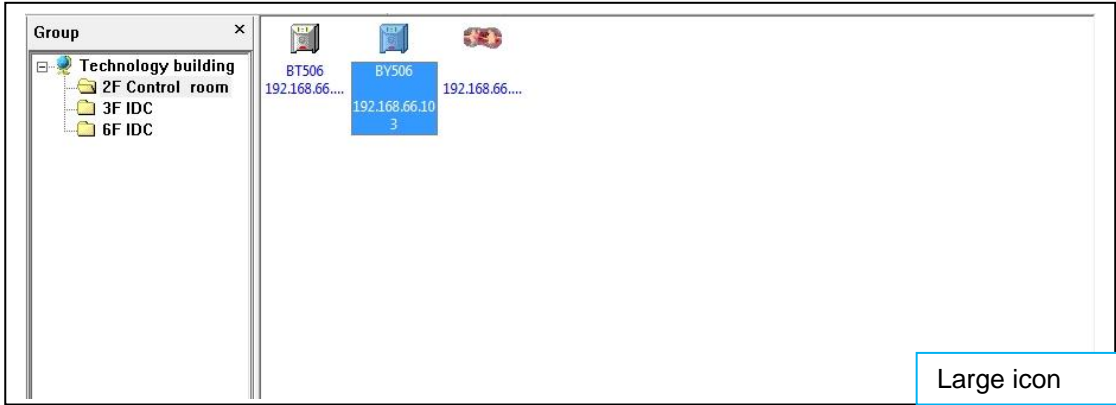
N.  Critical Temperature (Celsius): [ ]

O.  Critical Capacity (%): [ ]

OK Cancel



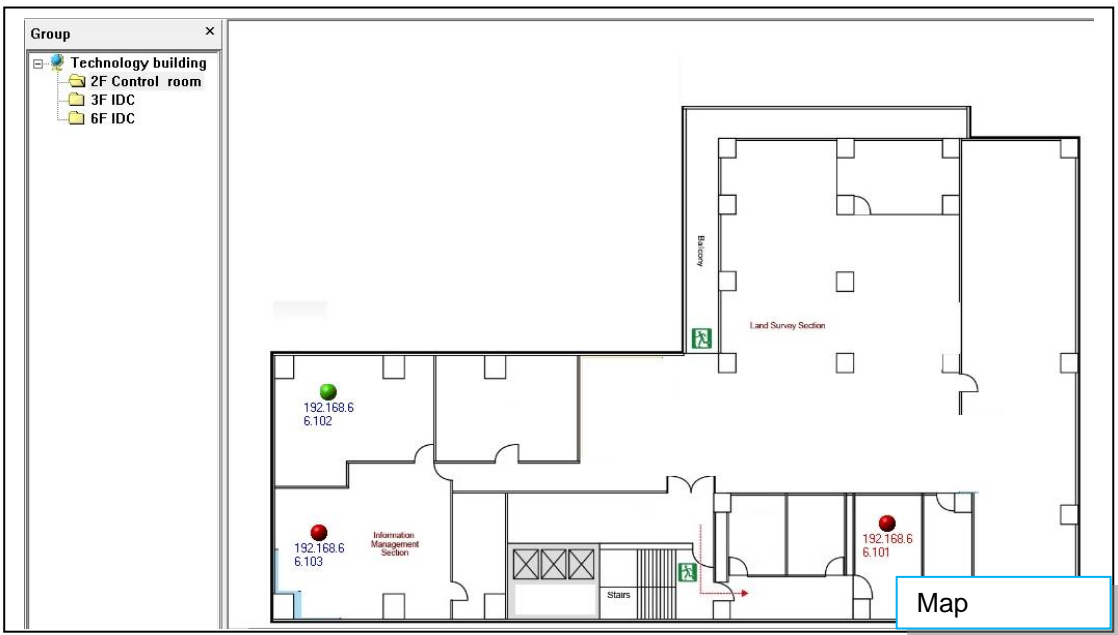
View with different mode



Large icon

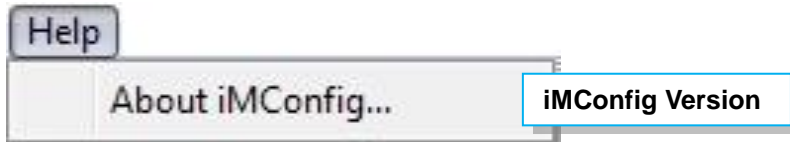
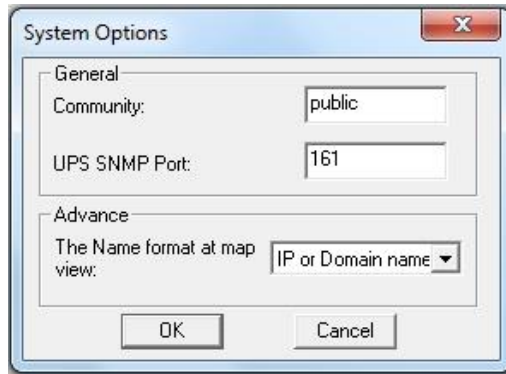
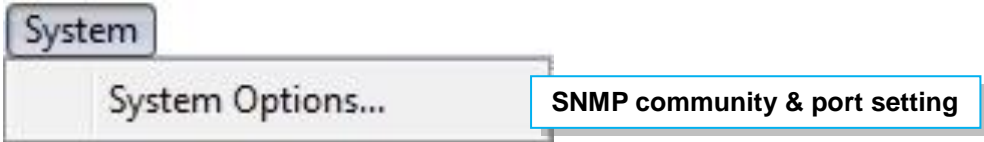
UPS IP	Host Name	Manager	Location	Setting Progress
192.168.66.102	BT506	Administrator	2F	Ready
192.168.66.103	BY506	Administrator	2F	Ready
192.168.66.101	DY520	Administrator	2F	Ready

Small icon



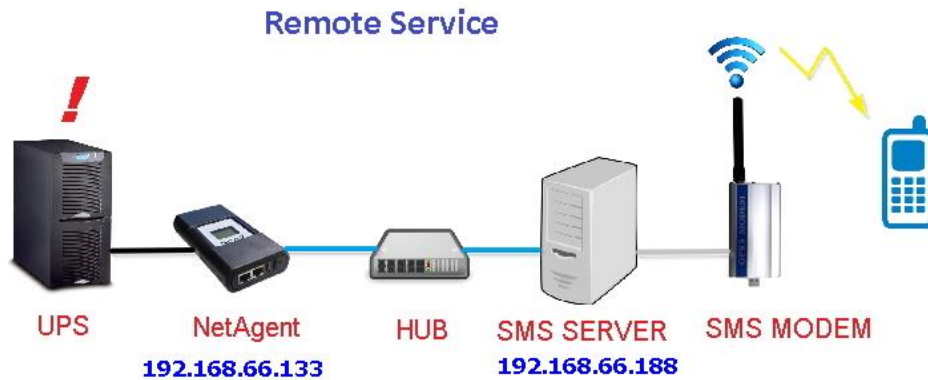
Map



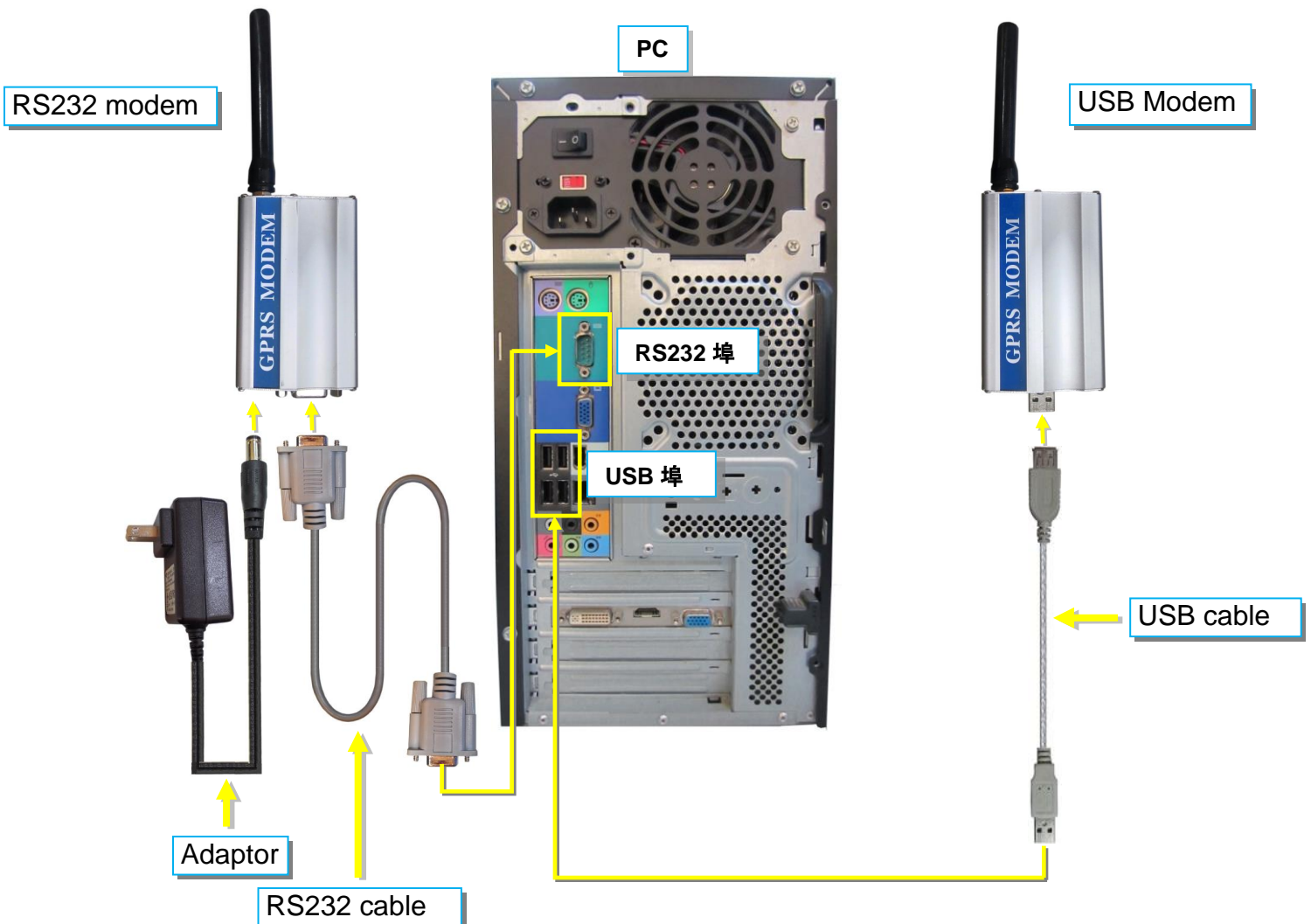


## Chapter 9. SMS Server Software

SMS notification can be send by modem that connects to 3 ports NetAgent II or NetAgent 9 (BX/BY) model directly, or , it can also be achieved by the remote PC that has SMS Server software installed with modem connected



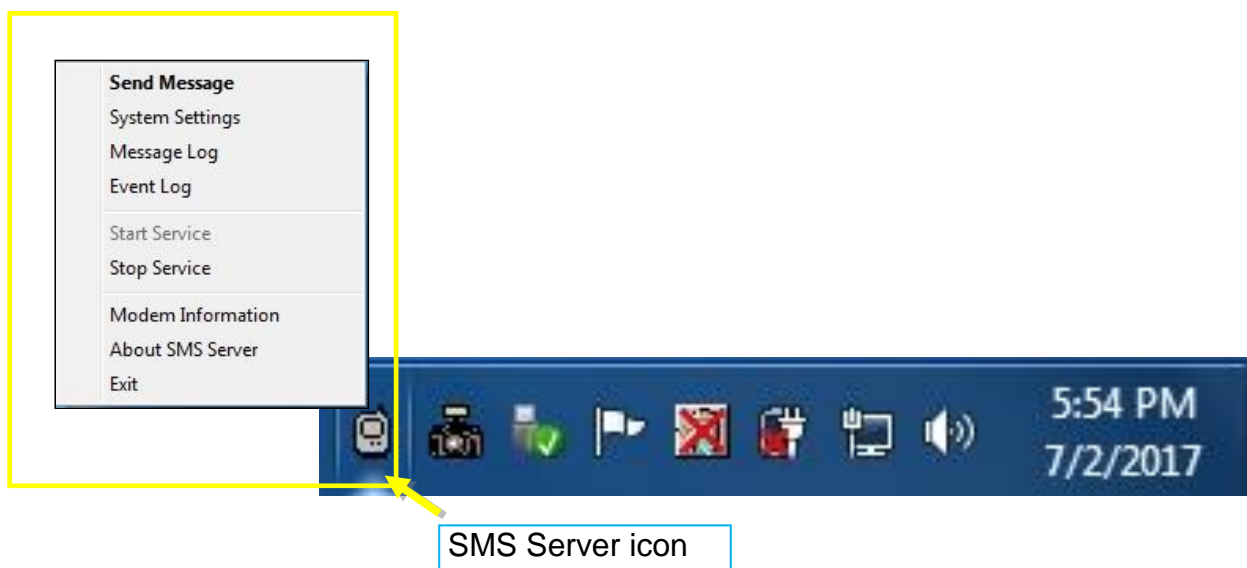
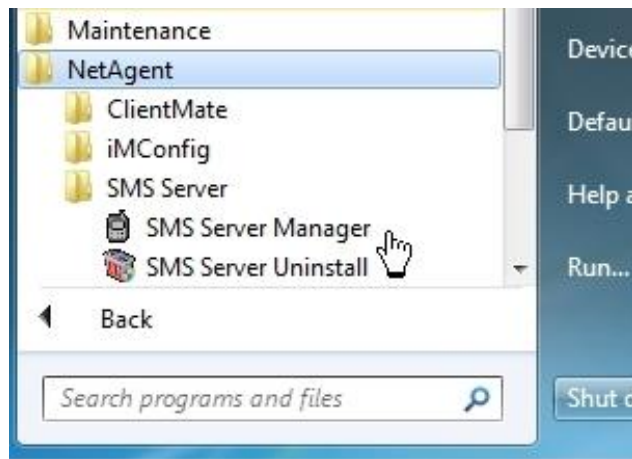
### Modem Installation



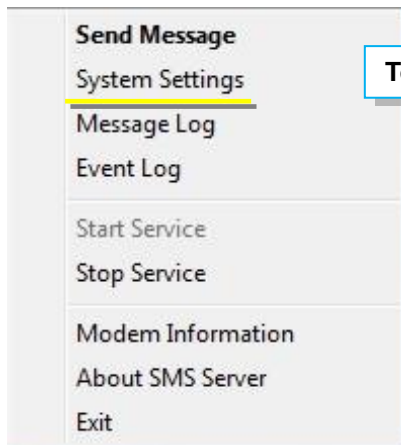
## SMS Server Software Installation

SMS Server software is available in the CD provided with NetAgent. After installed, it saves under directory of

All Programs > NetAgent>SMS Server>SMS Server Manager



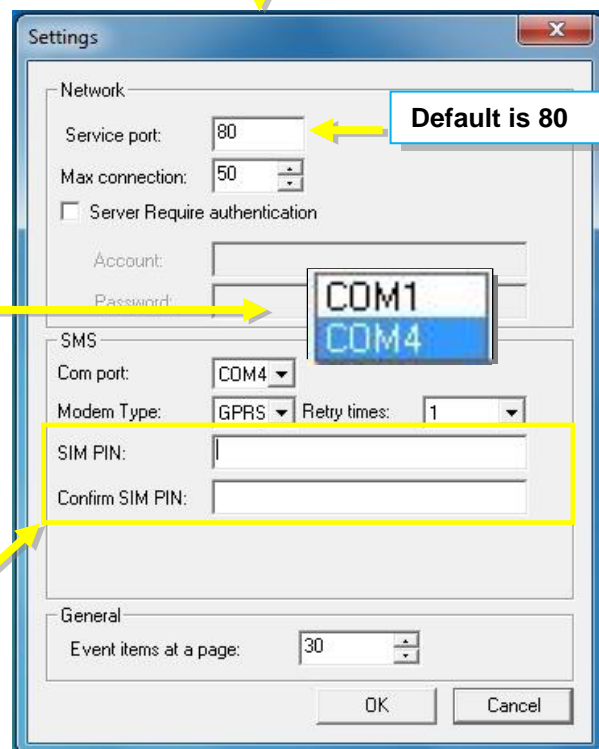
## Settings



To configure type of modem, port, SIM PIN

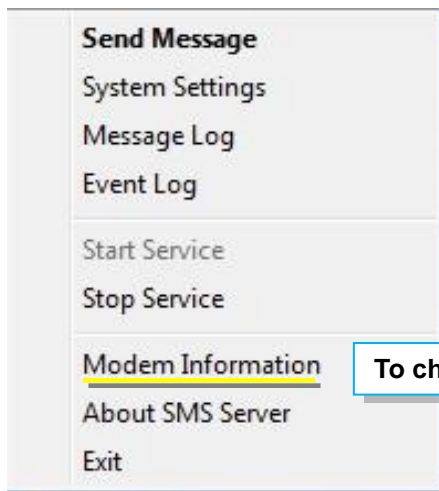
Check the virtual port number when using with USB modem

Select COM port of COM1,COM2.. when using with RS232 modem

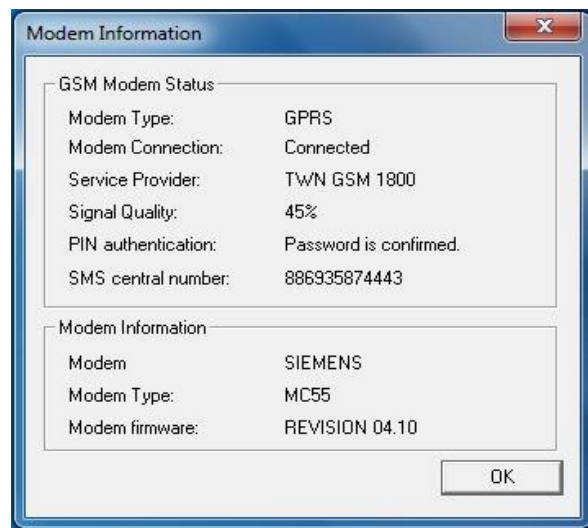
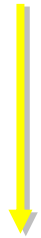


Default is 80

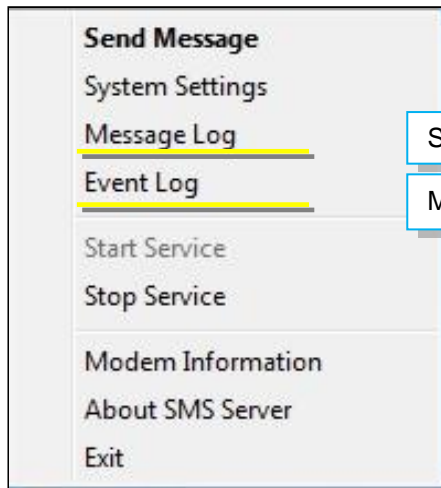
If PIN required, please enter



To check modem information and connection status



-Ensure all settings are correct and modem is connected with signal in order to send SMS successfully



SMS Sending log

Modem operation log

Message List

NO.	Type	Number	Address	Result	Time	Content
1	Send	0955655657	192.1...	OK	2017/05/10 19:13:44	UPS Agent(My
2	Send	0917461025	192.1...	OK	2017/05/10 19:14:59	UPS Agent(My
3	Send	0922726209	192.1...	OK	2017/05/10 19:22:33	UPS Agent(My
4	Send	0955955657	192.1...	OK	2017/05/10 19:23:14	UPS Agent(My

30 items in every page, current is page 1, there are 4 items in this page, total 1 pages. Double-Click to fresh

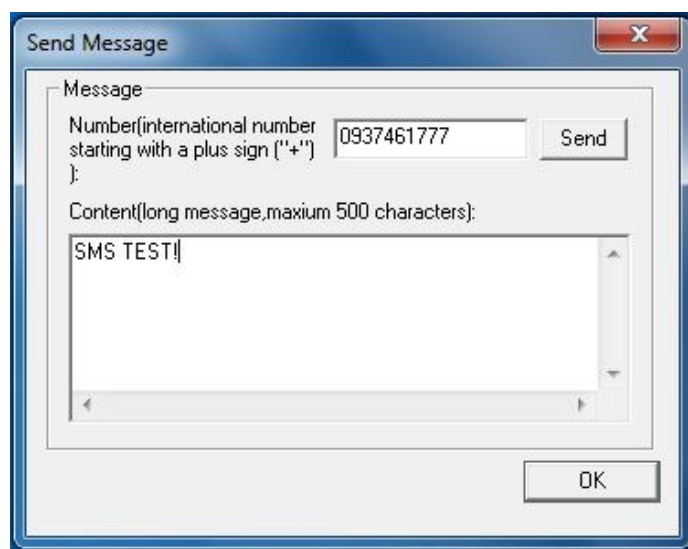
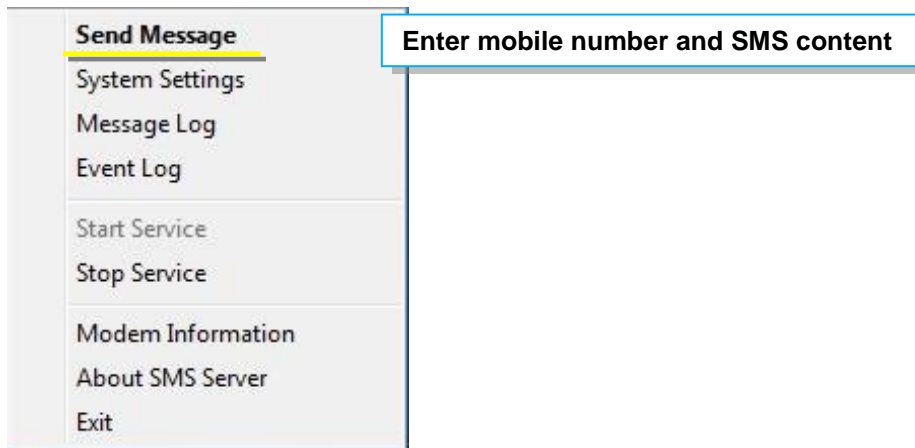
First Page Last Page Page Up Page Down Page: 1 Delete... OK

Event List

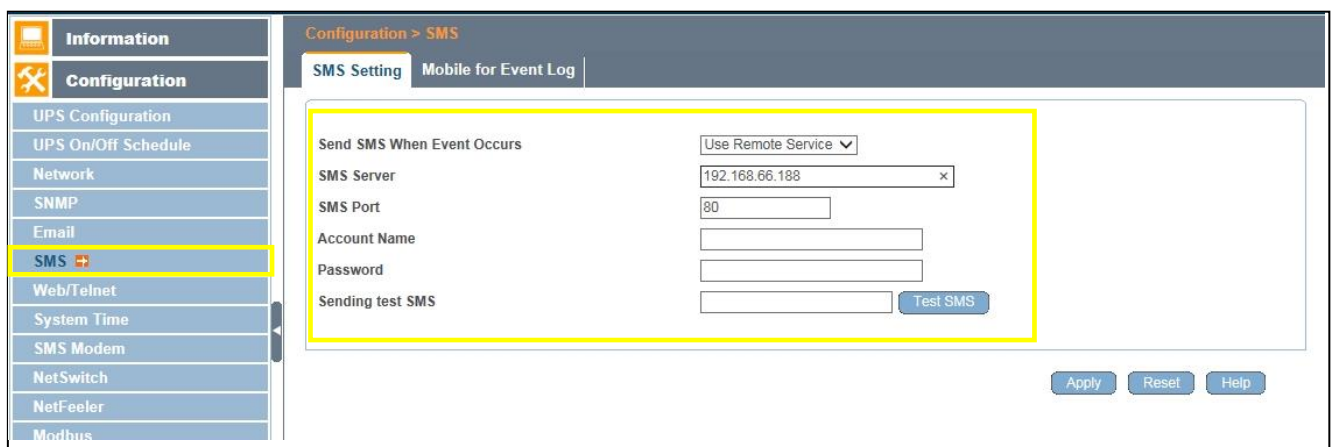
NO.	Type	Number	Address	Result	Time	Content
1	System I...	00000000000	127.0...	FAIL	2017/05/14 11:39:04	Serial communi
2	System I...	00000000000	127.0...	OK	2017/05/14 11:42:03	Service startup
3	System I...	00000000000	127.0...	FAIL	2017/05/14 11:42:03	Serial communi
000	127.0...		127.0...	OK	2017/05/14 11:47:41	Service startup
000	127.0...		127.0...	FAIL	2017/05/14 11:47:41	Serial communi
000	127.0...		127.0...	OK	2017/05/14 15:36:58	Service startup
000	127.0...		127.0...	FAIL	2017/05/14 15:36:58	Serial communi
000	127.0...		127.0...	OK	2017/05/14 16:39:45	Service startup
000	127.0...		127.0...	FAIL	2017/05/14 16:39:45	Serial communi
000	127.0...		127.0...	OK	2017/05/15 09:27:35	Service startup
000	127.0...		127.0...	FAIL	2017/05/15 09:27:35	Serial communi
000	127.0...		127.0...	OK	2017/05/16 08:49:24	Service startup
000	127.0...		127.0...	FAIL	2017/05/16 08:49:24	Serial communi
000	127.0...		127.0...	OK	2017/05/17 08:54:44	Service startup
000	127.0...		127.0...	FAIL	2017/05/17 08:54:44	Serial communi
000	127.0...		127.0...	OK	2017/05/17 14:32:47	Service startup
000	127.0...		127.0...	FAIL	2017/05/17 14:32:47	Serial communi
000	127.0...		127.0...	OK	2017/05/17 15:20:53	Service startup
000	127.0...		127.0...	FAIL	2017/05/17 15:20:53	Serial communi
000	127.0...		127.0...	OK	2017/05/18 09:26:49	Service startup
000	127.0...		127.0...	FAIL	2017/05/18 09:26:49	Serial communi
000	127.0...		127.0...	OK	2017/05/18 10:02:41	Service startup
000	127.0...		127.0...	FAIL	2017/05/18 10:02:41	Serial communi
000	127.0...		127.0...	OK	2017/05/21 08:47:52	Service startup
000	127.0...		127.0...	FAIL	2017/05/21 08:47:52	Serial communi
000	192.1...		192.1...	FAIL	2017/05/21 13:46:35	No this URL(1!
000	192.1...		192.1...	FAIL	2017/05/21 13:46:37	No this URL(1!
000	192.1...		192.1...	FAIL	2017/05/21 13:46:41	No this URL(1!
000	192.1...		192.1...	FAIL	2017/05/21 13:46:57	No this URL(1!
000	192.1...		192.1...	FAIL	2017/05/21 13:47:01	No this URL(1!

is page 1, there are 30 items in this page, total 46 pages. Double-Click to

Page Up Page Down Page: 1 Delete... OK



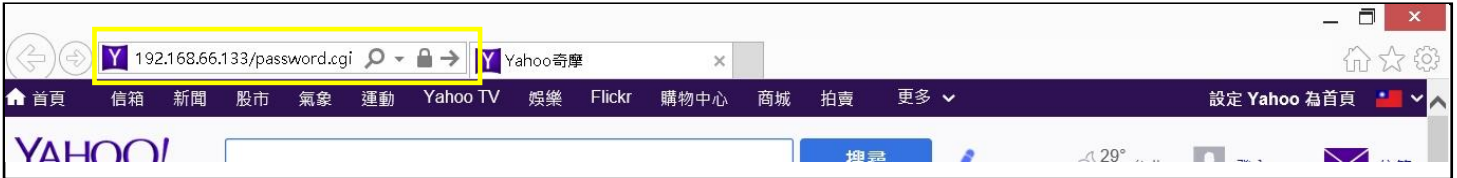
When SMS Server software installation and connection are both complete, the IP address of PC may be entered in the NetAgent's SMS webpage and select "Use Remote Service". Such NetAgent would then be able to send SMS notification via this SMS Server PC



## Chapter 10. Appendix

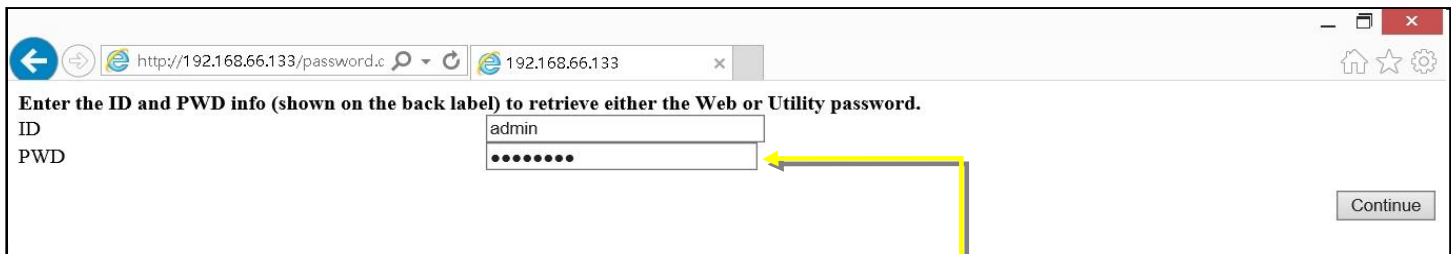
When Netility and NetAgent's username/password are lost, please follow the steps below to clear or check the configuration

1. Get the PC that is under same network as NetAgent-SNMP card
2. Open up the browser and type <http://xxx.xx/password.cgi> (xx.xxx is the IP address of the NetAgent)



3. Enter ID: admin

Password: Enter the master password for the device



4. Press continue and clear





# **NetAgentA**

UPS SNMP Agent

User's Manual

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# **Chapter 1. Introduction**

## **1.1 Features**

NetAgentA is the SNMP (Simple Network Management Protocol) card for monitoring UPS. Not only could remote control the UPS and get the current status of it, it is also support to connect to compatible modem to send SMS notification, or our NetFeeler II and its additional sensors for ambient temperature, humidity and water status. The product is for “Contact Closure” and “RS232” interface UPS and the communication protocol includes the Contact Closure, RS232[MegaTec], Phoenixtec], SEC 2400, SEC 9600, Megatec Three Phase, ..etc. NetAgentA provides a simple and easy installation procedure. CD provides along with NetAgentA offers several software to allow the user to configure IP address; central monitoring and multi shutdown on different operating systems. Other advance configurations could be accomplished in the Web browser.

Features:

- (1)** Provide SNMP MIB to monitor & control UPS
- (2)** Auto-sense 10M /100M/1000M Fast Ethernet Manage and configure via Telnet, Web Browser or NMS
- (3)** Support TCP/IP, UDP, SNMP, Telnet,SNTP, PPP, HTTP, HTTPS, SMTP, FTP, Modbus, BACnet Protocols
- (4)** Support SSL/TLS, SSH Encryptions
- (5)** Providing easy setup and upgrade tools via our Netility software
- (6)** Send SNMP TRAP ; E-mail and SMS for events notification.
- (7)** Auto email daily UPS history report
- (8)** Perform graceful shutdown with our ClientMate software
- (9)** Add-on optional NetFeeler II for temperature, humidity, water, smoke and door sensor
- (10)**Add-on optional WiFi dongle for wireless network access
- (11)**Add-on optional GPRS modem for SMS notification

## **1.2 Applications**

### **■ NetAgentA allows UPS to be monitor on network**

When the UPS connects with NetAgentA, the system manager could check each and every UPS condition by a computer with Browser installed. The manager could monitor and control the UPS by simply input the IP address of the NetAgentA which connects to the UPS. When there is a power abnormal condition happens, the NetAgentA could also send the trap information to the system manager to take proper action.

### **■ NetAgentA Provides Shutdown Utilities**

When a computer install our shutdown software in the network that connects to the NetAgentA, when UPS is in AC failure condition or Battery Low condition, the software would close all the files of the operating system and shutdown gracefully. This could avoid system corrupt when a power disconnection happened.

### **■ NetAgentA for Surrounding Monitoring**

NetAgentA with USB ports could connect to optional sensor- USB NetFeeler to get the surrounding temperature/humidity/smoke/fire signals. These information could also be revealed on the NetAgentA Web page. When there is an abnormal condition happened, it could also be sent as a trap to the system manager.





## Chapter 2. NetAgentA Series

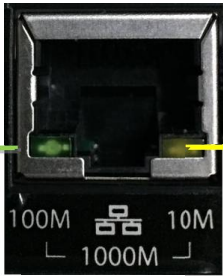
### 2.1 NetAgentA Mini Models

NetAgentA Mini Model									
Model Name	Package Contents	Internal	External	RJ45	RS232	ENV	USB	Single Phase	Three Phase
<b>DA520</b>	1. NetAgentAA Mini SNMP Card 2. NetAgentA Utility CD 3. Quick Installation Guide (Optional)	V		V				V	V
<b>DA806</b>	1. NetAgentAA Mini SNMP Card 2. NetAgentA Utility CD 3. Quick Installation Guide (Optional) 4. M2509 Cable (USB)	V		V			V	V	V
<b>DA807</b>	1. NetAgentAA Mini SNMP Card 2. NetAgentA Utility CD 3. Quick Installation Guide (Optional)	V		V			V	V	V

### 2.2 NetAgentA Mini LED Indication





<b>Amber</b> 		<b>Red</b> 	
<b>Communication</b> <b>Flashing</b> Transferring data with UPS		<b>Connection Status with UPS</b> <b>Flashing</b> <b>Off</b> Lost connection      Connecting with UPS	
<b>Green</b> 		<b>Yellow</b> 	
<b>Power Status</b> <b>On</b> <b>Off</b> Normal      No Power		<b>NetAgentA Mini Status</b> <b>On</b> <b>Off</b> Operating      Stop working	





Green		Yellow	
On	Flashing	On	Flashing
100 Mbps	Sending/Receiving Data	10 Mbps	Sending/Receiving Data

When Green and Yellow LED are both ON, it runs at 1000M mode




**NOTE :** When writing firmware, red led alternating flashing, DO NOT remove any power

<b>D5</b>		<b>D4</b>	
<b>Green</b>		<b>Blue</b>	
			
<b>Power</b>		<b>Communication</b>	
<b>On</b>	<b>Off</b>	<b>Flashing</b>	
Normal	No Power	Sending/Receiving Data	



<b>Red</b>	
	
<b>UPS connection</b>	
<b>Flashing</b>	<b>Off</b>
Lost connection	Connecting with UPS
<b>Yellow</b>	
	
<b>NetAgentA Mini 9 Status</b>	
<b>On</b>	<b>Off</b>
Operating	Stop Working



Status	Power On	Lost Communication	Writing Firmware
<b>Yellow</b> 	On	On	Off
<b>NetAgentA Mini 9 Status</b>			
<b>Red</b> 	Off	Flashing	Flashing
<b>UPS Communication</b>			
<b>Green</b> 	On	On	On
<b>Power</b>			

## Chapter 3 Software Installation

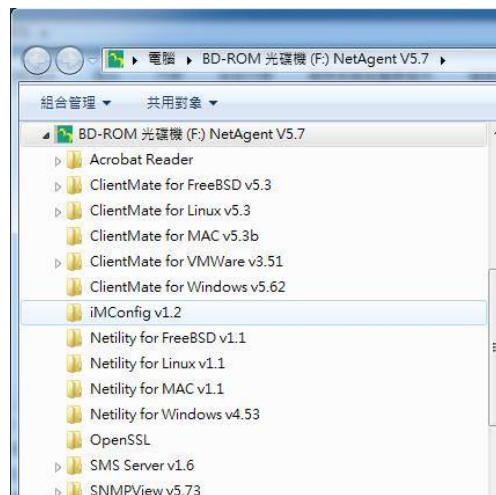
### 3.1 Software Installation

NetAgentA Utility CD offers several management and shutdown software. Insert CD into CD-ROM and software can be select under **【Program Installation】**

The screenshot shows the 'NetAgent Utility Installation Wizard' with the 'Program Installation' section selected. A 'Main Menu' is visible on the left with options: Introduction, Operating System Supported, System Requirements, Program Installation (highlighted), View Manuals, Contact Information, and Exit. The 'Program Installation' section lists several software options with callouts:

- Netility:** Configure and Search NetAgentA. Refer to 4.3
- ClientMate:** Shutdown OS Software. Refer to Chapter 6
- SMS Server:** SMS notification Software. Refer to Chapter 9
- SNMPView:** Multi monitoring Software. Refer to Chapter 7
- iMConfig:** Multi-configuration Software. Refer to Chapter 8
- Time Server:** Time server software

If the PC does not executes CD program automatically, please select from File Management

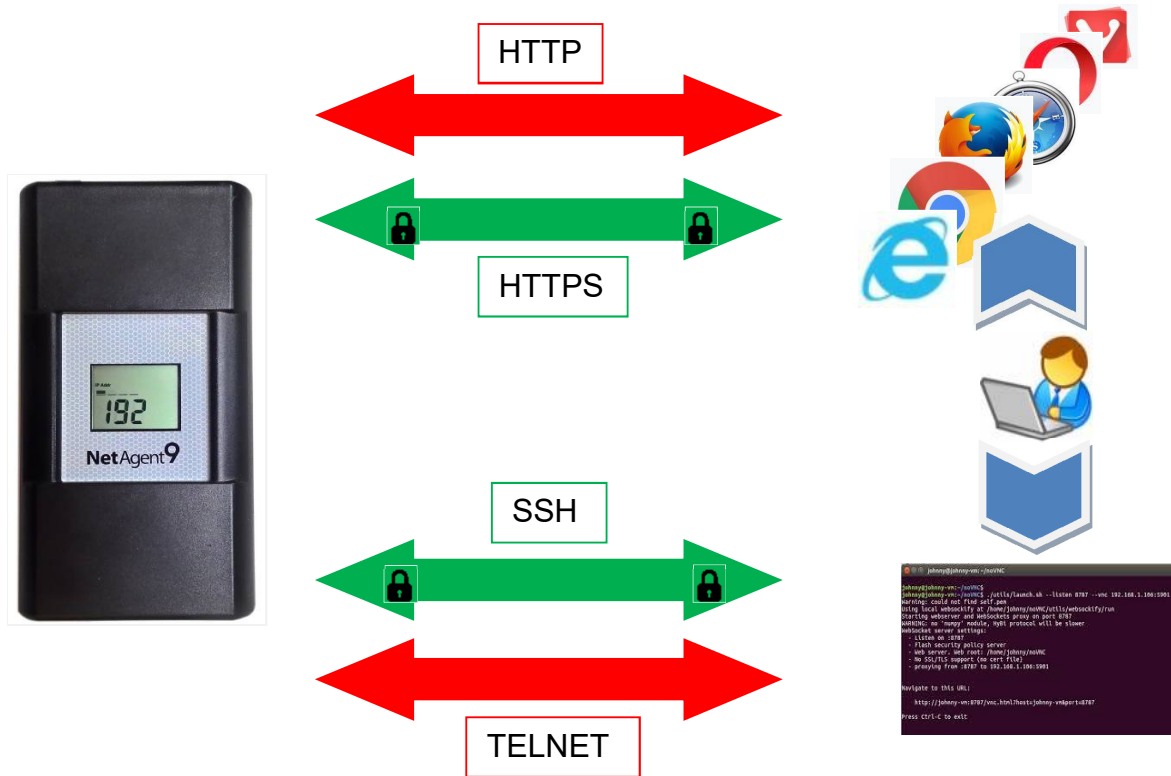




## Chapter 4. NetAgentA Setting

### 4.1 Introduction

NetAgentA can be login via web or HyperTerminal with protocol and encryption of HTTP/HTTPS/SSH/Telnet. Enter the IP address of NetAgentA to configure and monitor the UPS status.



### 4.2 NetAgentA Login Procedure

1. Connect NetAgentA to modem/router

2. Install Netility under same network

3. NetAgentA searches all available NetAgentA within same network

4. Configure IP address of NetAgentA  
(1)DHCP IP (Default) (2)Static IP

5. Enter IP address of the NetAgentA on browser

5. Double click NetAgentA from Netility

5. Login via HyperTerminal

6. Select the compatible protocol under UPS Configuration webpage of NetAgentA

7. Enter other parameter on NetAgentA webpage

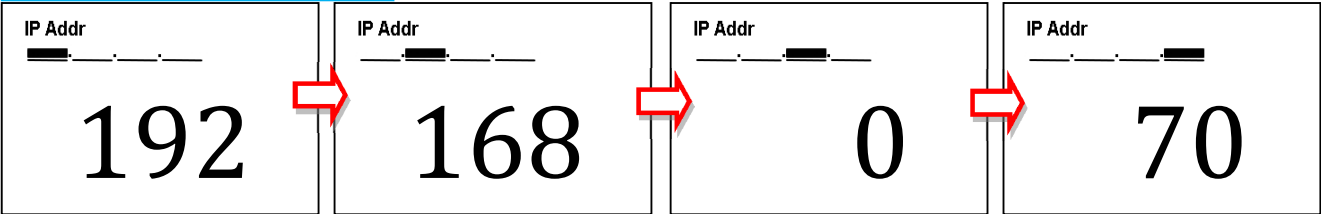
**NOTE 1 :** Each NetAgentA has its unique serial number / MAC address and Password. This is available on the label of each unit. This helps to identify the card information on Netility



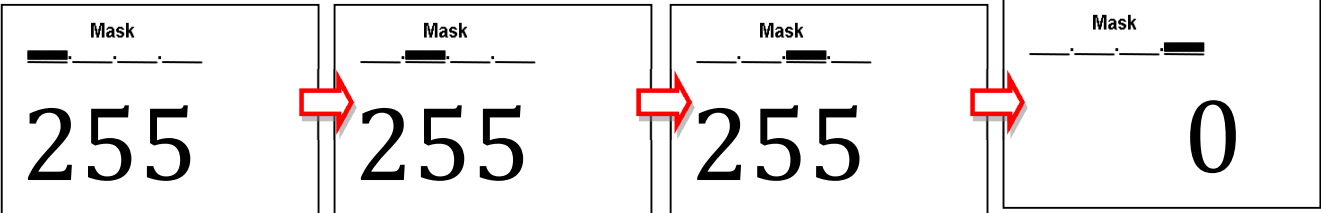
**NOTE 2 :** NetAgentA with LCD display may obtain the IP info from it.

Example of LCD display format as below

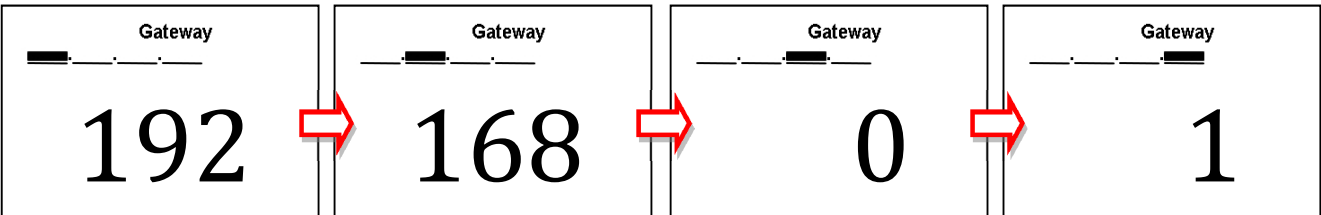
IP address 192.168.0.70



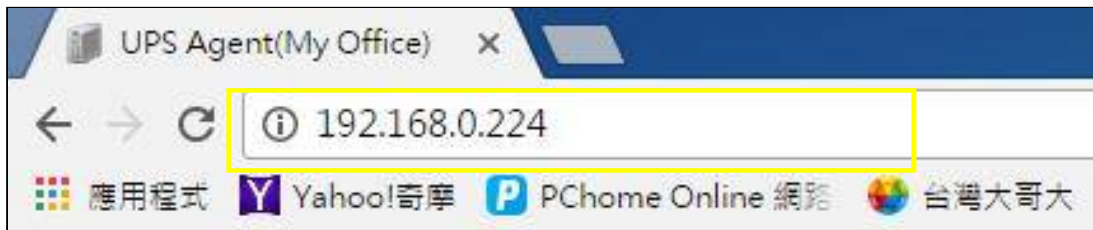
Subnet Mask: 255.255.255.0



Gateway: 192.168.0.1



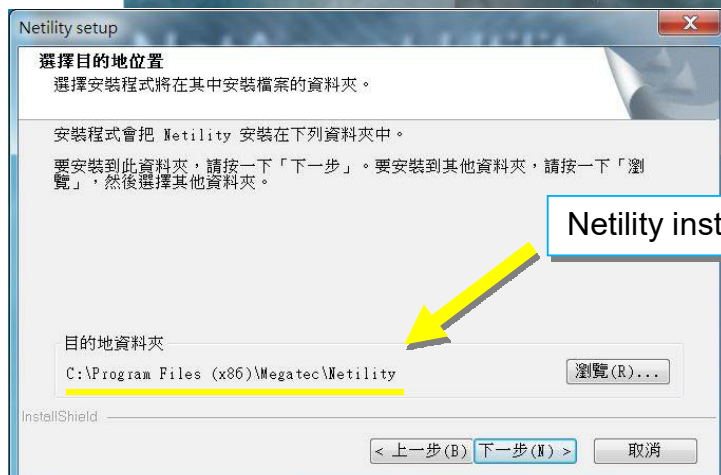
When NetAgentA IP is known, enter such IP address on the browser to login. If non-LCD NetAgentA model, install Netility software to find and configure its IP address.



## 4.3 Netility Installation and Setting

### ■ Netility Installation

Netility is tool software that helps the user to search all the available NetAgentA within network as well as to configure IP address and firmware upgrade. Mount the NetAgentA Utility CD on CD-ROM and click on Program Installation>Netility>Windows



Netility installation directory



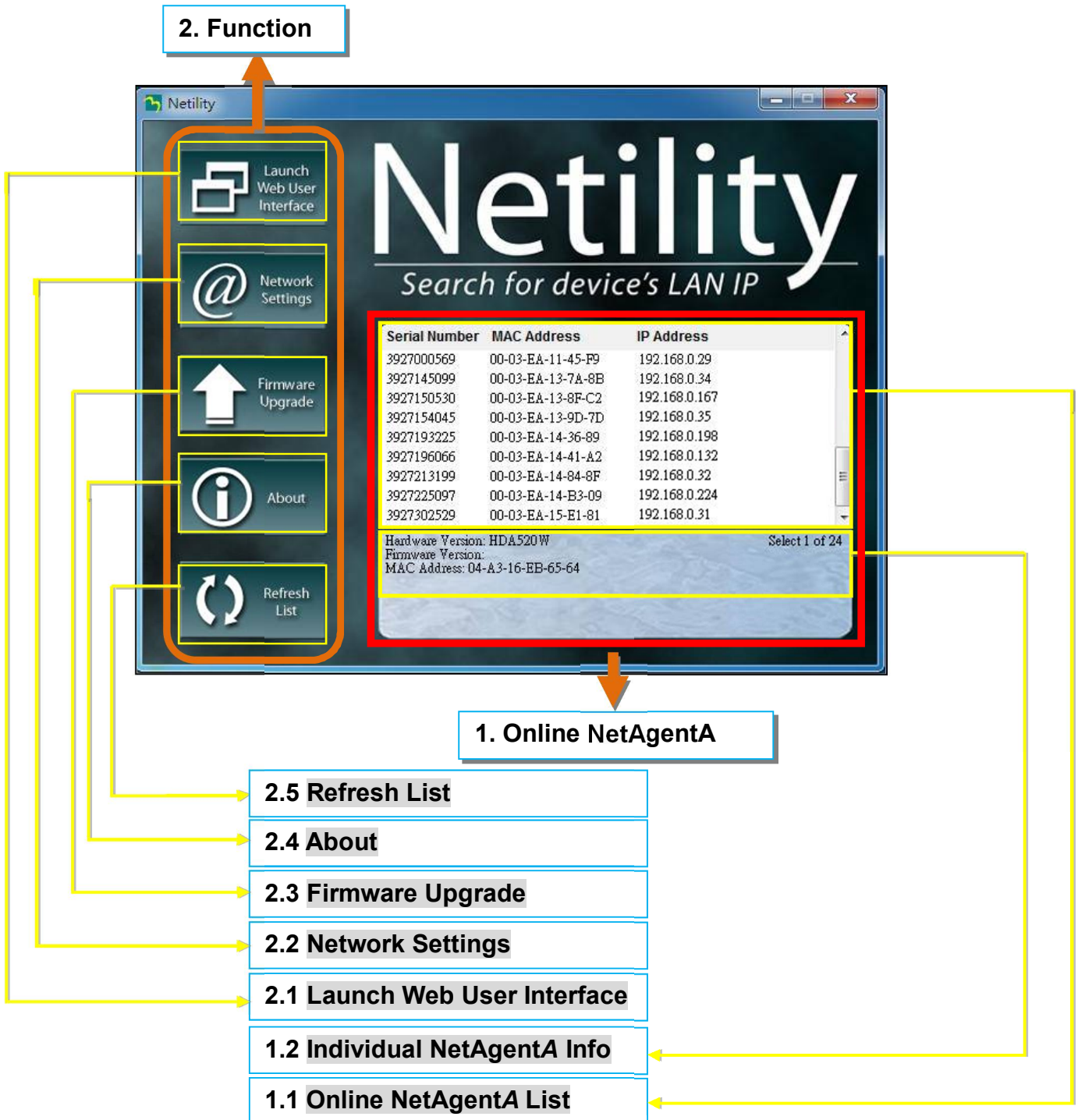
Netility Software

Under All Programs/ Megatec File Directory

■ **Netility Operation and Setting**

Netility main pages divided into 2 sections:

- 1. Online NetAgentA List    2. Function Selection**



## 1.1 Online NetAgentA List

When open up Netility , it automatically searches all the available online NetAgentA within the network with its serial number, IP address, MAC address. Double click on the specific NetAgentA with valid IP address, it will direct to the NetAgentA's webpage. (List refreshes automatically every 2 minutes)

The Netility application interface displays a list of devices with the following columns: Serial Number, MAC Address, and IP Address. The table in the top screenshot is as follows:

Serial Number	MAC Address	IP Address
3927000569	00-03-EA-11-45-F9	192.168.0.29
3927145099	00-03-EA-13-7A-8B	192.168.0.34
3927150530	00-03-EA-13-8F-C2	192.168.0.167
3927154045	00-03-EA-13-9D-7D	192.168.0.35
3927193225	00-03-EA-14-36-89	192.168.0.198
3927196066	00-03-EA-14-41-A2	192.168.0.132
3927213199	00-03-EA-14-84-8F	192.168.0.32
3927225097	00-03-EA-14-B3-09	192.168.0.224
3927302529	00-03-EA-15-E1-81	192.168.0.31

The bottom screenshot shows the same interface with a yellow arrow pointing to the row with Serial Number 3927225097, MAC Address 00-03-EA-14-B3-09, and IP Address 192.168.0.224. A callout box indicates: "Double click to login to the webpage". Below the table, the selected device's details are shown: Hardware Version: HBY506, Firmware Version: 3.5.BY506, and MAC Address: 00-03-EA-14-B3-09.

## 1.2 Individual NetAgentA Info

Click on specific NetAgentA , the bottom column shows its hardware , firmware version and MAC address. It also shows the total NetAgentA number that found by Netility and selected

The screenshot shows the Netility application window. On the left sidebar, there are buttons for 'Launch Web User Interface', 'Network Settings', 'Firmware Upgrade', 'About', and 'Refresh List'. The main area displays the 'Netility' logo and the text 'Search for device's LAN IP'. Below this is a table with columns for 'Serial Number', 'MAC Address', and 'IP Addr'. A yellow arrow points to a row in the table with the label 'Click on NetAgentA'. Below the table, a detailed view of a selected device is shown, with yellow arrows pointing to 'Hardware Version: HBY506' (labeled 'Hardware Version') and 'Firmware Version: 3.5.BY506' (labeled 'Firmware Version'). A red line underlines the text 'Select 1 of 23', with a yellow arrow pointing to it from a label 'Total Number of NetAgentA found and selected'.

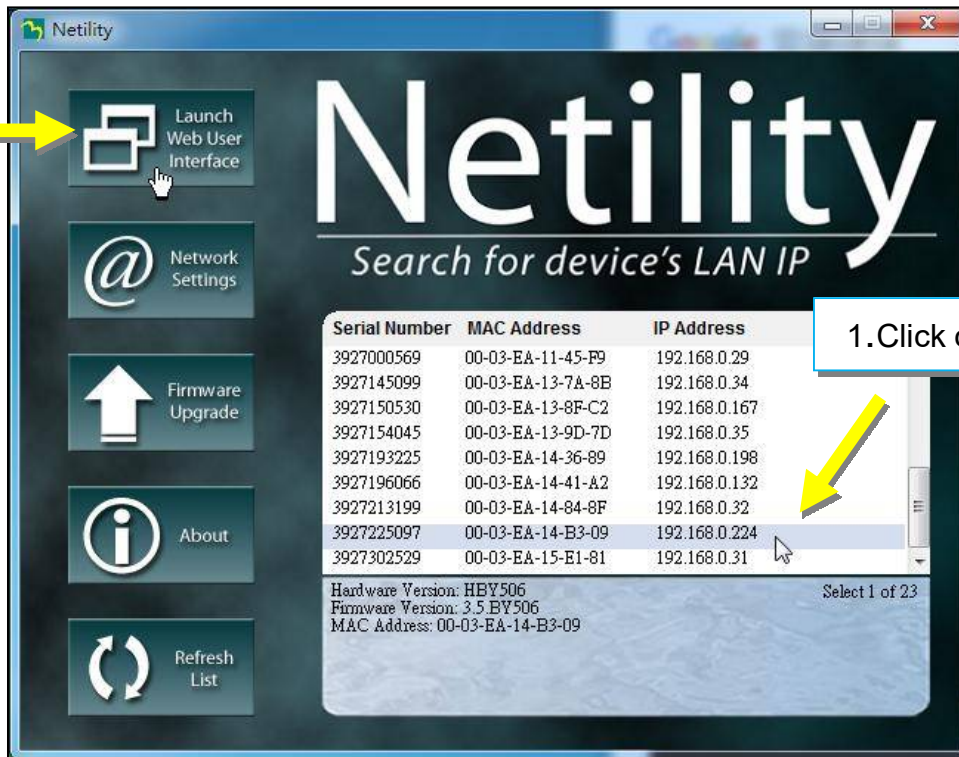
Serial Number	MAC Address	IP Addr
3927000569	00-03-EA-11-45-F9	192.168.0.25
3927145099	00-03-EA-13-7A-8B	192.168.0.34
3927150530	00-03-EA-13-8F-C2	192.168.0.167
3927154045	00-03-EA-13-9D-7D	192.168.0.35
3927193225	00-03-EA-14-36-89	192.168.0.198
3927196066	00-03-EA-14-41-A2	192.168.0.132
3927213199	00-03-EA-14-84-8F	192.168.0.32
3927225097	00-03-EA-14-B3-09	192.168.0.224
3927302529	00-03-EA-15-E1-81	192.168.0.31

Hardware Version: HBY506  
Firmware Version: 3.5.BY506  
MAC Address: 00-03-EA-14-B3-09

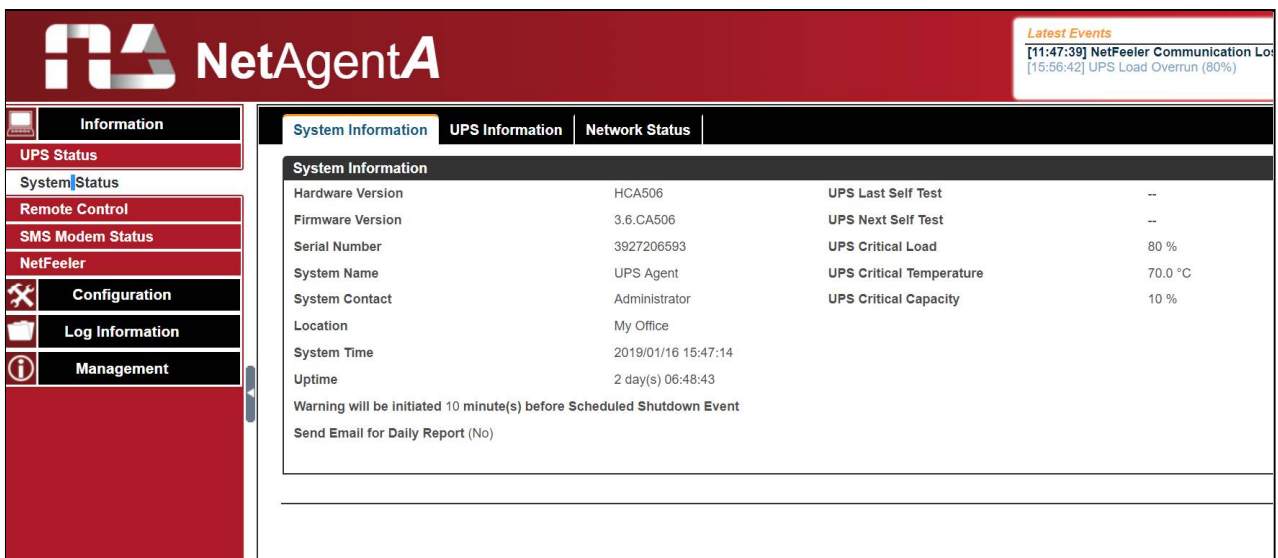
Select 1 of 23

## 2.1 Launch Web User Interface

Select specific NetAgentA from the list and click on Launch Web User Interface to login to the NetAgentA's webpage



Login to the webpage of such NetAgentA





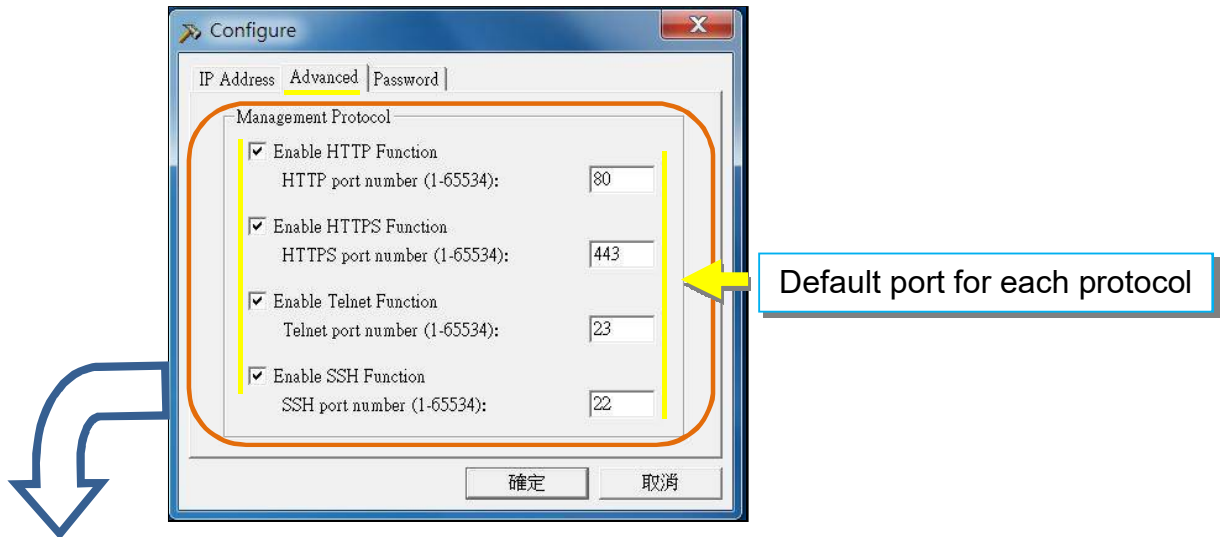
## 2.2 Network Settings

- When connecting the NetAgentA for the first time, ensure IP address and other network setting are correctly entered in order to login to the NetAgentA's webpage via browser or HyperTerminal
- When select to obtain IP address by DHCP or BOOTP, IP address and other network parameter will be assign by the network
- NetAgentA offers 4 network protocols - HTTP / HTTPS / TELNET / SSH for management with security consideration. If any change on port number, the it require to enter the full IP address with port number in order to login  
For example : HTTP port number change to 81  
The full address to be enter on browser should be "http://X.X.X.X:81" (X.X.X.X is the IP address of the NetAgentA)  
For Example : Telnet port number change to 24  
The full address to be enter on HyperTerminal should be "http://X.X.X.X 24" (X.X.X.X is the IP address of the NetAgentA)
- When password of the NetAgentA is enabled, it is necessary to enter the correct password before making any configuration change and firmware upgrade

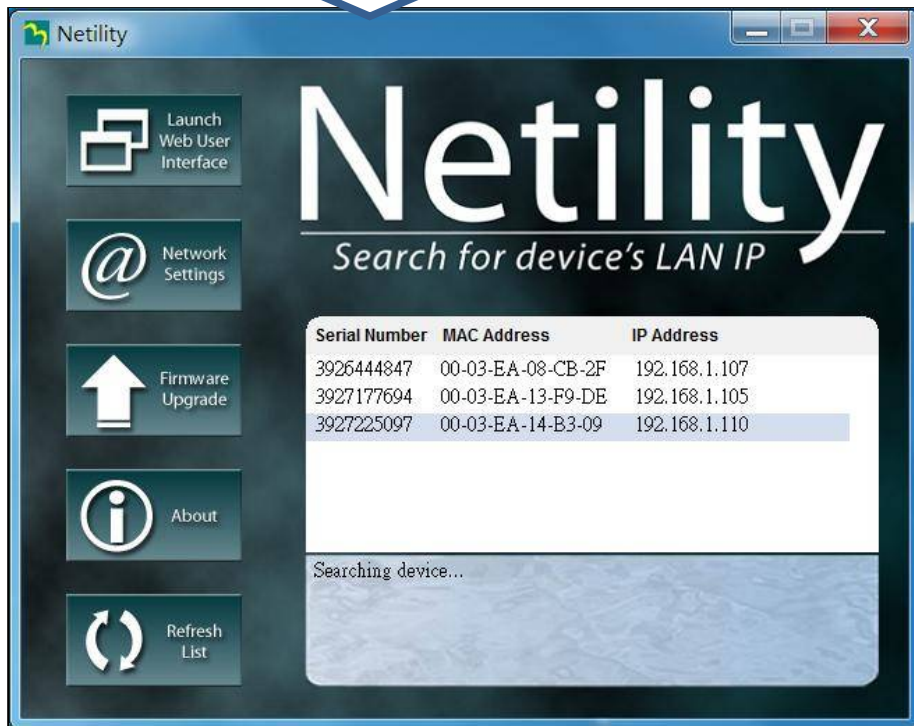
The image shows a screenshot of the Netility web interface with several callouts and annotations. The main interface has a sidebar with buttons for 'Launch Web User Interface', 'Network Settings', 'Firmware Upgrade', and 'About'. The 'Network Settings' button is highlighted with a yellow arrow and a callout box that says '2. Click on Network Settings'. The main content area displays a table of devices with columns for 'Serial Number', 'MAC Address', and 'IP Address'. A yellow arrow points to the 'IP Address' column with a callout box that says '1. Click on specific NetAgentA'. Below the table, there is a 'Configure' dialog box with tabs for 'IP Address', 'Advanced', and 'Password'. The 'IP Address' tab is active, showing 'Address Configuration' options: 'Obtain IP address by DHCP', 'Obtain IP address by BOOTP', and 'Use following Static IP address'. The 'Use following Static IP address' option is selected. Below these options, there are input fields for 'IP Address', 'Subnet Mask', and 'Gateway'. A yellow arrow points to the 'Obtain IP address by DHCP' option with a callout box that says 'Select to assign IP by DHCP'. Another yellow arrow points to the 'IP Address' input field with a callout box that says 'Columns requires to be entered for Static IP address'. The 'IP Address' field contains the value '192 . 168 . 1 . 110'. The 'Subnet Mask' field contains '255 . 255 . 255 . 0'. The 'Gateway' field contains '192 . 168 . 1 . 1'. At the bottom of the dialog box, there are two buttons: '確定' (OK) and '取消' (Cancel). A blue arrow points from the 'Configure' dialog box back to the 'Network Settings' button in the sidebar.

Serial Number	MAC Address	IP Address
3926444847	00-03-EA-08-CB-2F	192.168.1.107
3927177694	00-03-EA-13-F9-DE	192.168.1.105
3927225097	00-03-EA-14-B3-09	169.254.70.73

Hardware Version: HBY506  
Version: 3.5, BY5  
: 00-03-EA-1



Once password is enabled and configured, it is required to enter the correct password when change any setting or firmware upgrade



## 2.3 Firmware Upgrade

- This is to upgrade or re-load the firmware to the NetAgentA unit. Firmware version is available on the official website. Ensure to check the NetAgentA model, hardware version for the correct firmware version (.bin)
- Ways to select NetAgentA for firmware upgrading
  - (1) Click on specific NetAgentA from the Netility list
  - (2) Press and hold on CTRL key then select multi NetAgentA unit from the list=>This is to upgrade multi units at once
  - (3) Click on the first NetAgentA from the list, then press and hold on SHIFT key as well as click on the last unit of the NetAgentA =>This is if all NetAgentA from the list are same model

**⚠ WARNING :** Please makes sure the multi NetAgentA selected are same model

- If any failure during firmware upgrading, please upgrade again until it is successfully done
- While upgrading, red and yellow LED would alternating flashing, or red led flashing. DO NOT remove any power or cable to the NetAgentA. Once firmware is successfully upgraded, NetAgentA would reboot automatically.

The image illustrates the process of upgrading NetAgentA firmware through the Netility interface. It is divided into two main sections: selecting devices and performing the upgrade.

**Section 1: Device Selection in Netility**

Three screenshots of the Netility interface show different selection methods:

- Upgrade Single:** A single device is selected from the list.
- Selection of Multi-NetAgentA:** Multiple devices are selected using the Ctrl key.
- Upgrade consecutive:** All devices in the list are selected using the Shift key.

**Section 2: Firmware Download Process**

The 'Firmware Download' dialog box shows the following steps:

- 1. Select .bin file:** The file name field is populated with 'D:\FIRMWARE\3.5.BY506\3.5.BY506.bin'.
- 2. Click on Download:** The 'Download' button is clicked.
- 3. Upgrade message:** The dialog displays '1 unit success, 0 unit fail' and 'Download Successfully'.
- 4. Cancel to exit:** The 'Cancel' button is clicked to exit the dialog.

## 2.4 About

Here shows the current Netility version



## 2.5 Refresh List

The list on Netility would refresh every 2 minutes automatically, however, manual refresh is also possible by clicking Refresh List



## 4.4 NetAgentA Web Interface & Setting

- Information > UPS Status
- **UPS Status**

This page is to show the current UPS connection status in graphic mode with Voltage, Frequency and other information.

**UPS Status**

Voltage Rating: 150.0      Frequency Rating: 55.6      Battery Voltage Rating: 12.50

UPS Manufacturer:	MegaTec
UPS Firmware Version:	V001203.12
UPS Model:	M1000K

**Latest Events**

- [17:27:32] UPS Load Normal (50%)
- [16:49:14] Static Switch in Inverter Mode
- [16:49:14] Utility power has been restored.

- Information > System Status
- **System Information**

Here shows all the basic information of the NetAgentA such as hardware / firmware version; Serial Number; Uptime...etc.

**System Information**

Hardware Version	HDA807	UPS Last Self Test	--
Firmware Version	3.6.DA806	UPS Next Self Test	--
Serial Number	3927492900	UPS Critical Load	80 %
System Name	DA807_2_16	UPS Critical Temperature	70.0 °C
System Contact	Tom_16	UPS Critical Capacity	10 %
Location	OFFICE_15		
System Time	2019/01/11 17:40:17		
Uptime	01:01:58		

Warning will be initiated 1 minute(s) before Scheduled Shutdown Event

Send Email for Daily Report 0:00

**Latest Events**

- [17:27:32] UPS Load Normal (50%)
- [16:49:14] Static Switch in Inverter Mode
- [16:49:14] Utility power has been restored.

- Information > System Status

- UPS Information

This page shows UPS information/Battery Information/Rating Information. The data is obtained from the reply of UPS or the settings from [UPS Configuration] webpage

**NetAgentA**

**Latest Events**

- [17:27:32] UPS Load Normal (50%)
- [16:49:14] Static Switch in Inverter Mode
- [16:49:14] Utility power has been restored.

**Information**

- UPS Status
- System Status
- Remote Control
- SMS Modem Status
- NetFeeler
- Configuration
- Log Information
- Management

**System Information** | **UPS Information** | Network Status | Wireless Status

**UPS Information**

UPS Manufacturer	MegaTec
UPS Firmware Version	V001203.12
UPS Model	M1000K

**Battery Information**

Date of last battery replacement	2018/07/04
Number of Batteries	2
Battery Charge Voltage	2.267 V

**Rating Information**

Voltage Rating	150.0 V
Frequency Rating	55.6 Hz
Battery Voltage Rating	12.50 V

- Information > System Status

- Network Status

This page shows the network information of NetAgentA.

**NetAgentA**

**Latest Events**

- [17:27:32] UPS Load Normal (50%)
- [16:49:14] Static Switch in Inverter Mode
- [16:49:14] Utility power has been restored.

**Information**

- UPS Status
- System Status
- Remote Control
- SMS Modem Status
- NetFeeler
- Configuration
- Log Information
- Management

**System Information** | UPS Information | **Network Status** | Wireless Status

**Ethernet**

MAC Address	00:03:EA:18:C9:24
Connection Type	1000Mbps Full-Duplex

**General**

Email Server	smtp.gmail.com
Time Server	swisstime.ethz.ch
PPPoE IP	
PPPoE IPv6	

**IPv4**

IP Address	192.168.66.117
Subnet Mask	255.255.255.0
Gateway	192.168.66.1
Primary DNS Server	192.168.66.1
Secondary DNS Server	

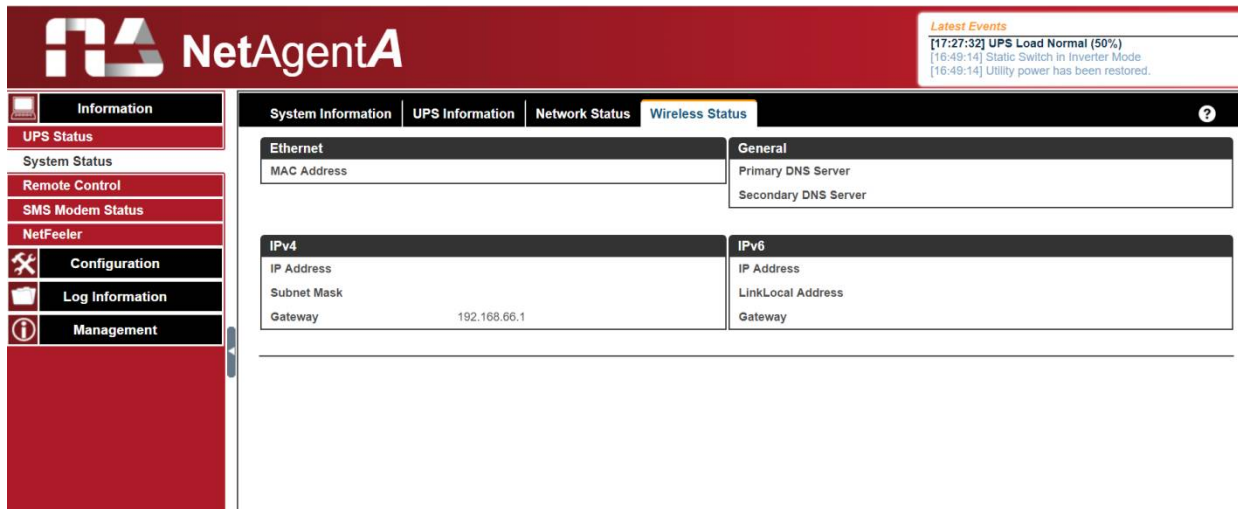
**IPv6**

IP Address	fe80::203:eaff:fe18:c924/64
LinkLocal Address	fe80::203:eaff:fe18:c924/64
6to4 Address	
Gateway	
Primary DNS Server	
Secondary DNS Server	

## ■ Information > System Status

### • Wirelss Status

This page is to show Wireless connection status and information when NetAgentA communicates via the compatible WiFi dongle



The screenshot shows the NetAgentA web interface. The top navigation bar includes 'Information', 'UPS Information', 'Network Status', and 'Wireless Status'. The left sidebar contains 'UPS Status', 'System Status', 'Remote Control', 'SMS Modem Status', 'NetFeeler', 'Configuration', 'Log Information', and 'Management'. The main content area displays network configuration details for Ethernet, General, IPv4, and IPv6. The IPv4 section shows an IP Address of 192.168.66.1. The General section shows Primary and Secondary DNS Servers. The IPv6 section shows IP Address, LinkLocal Address, and Gateway. A 'Latest Events' box in the top right corner lists recent system events.

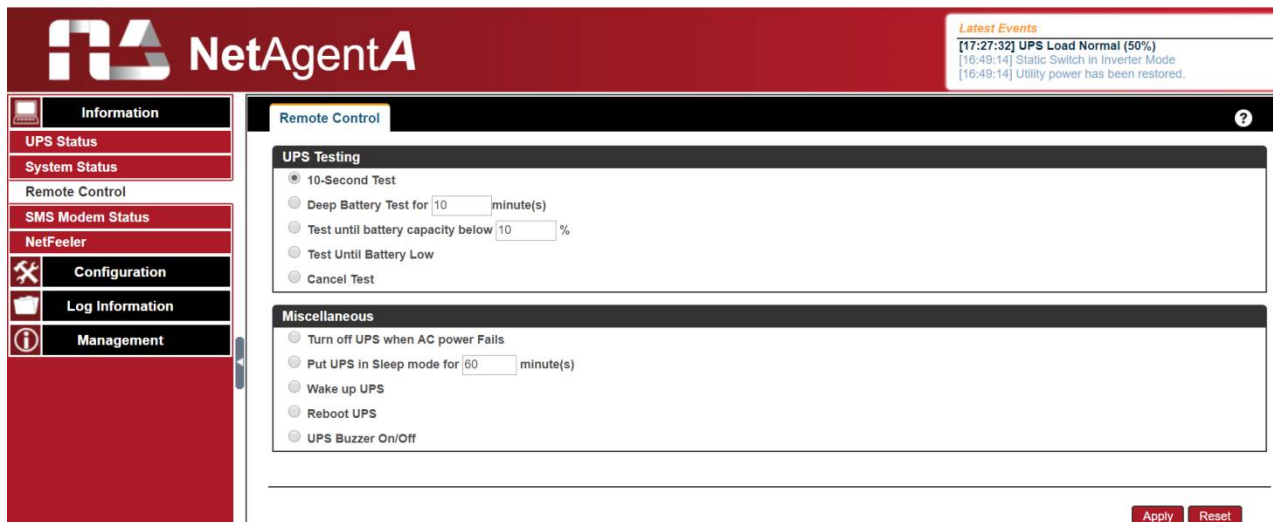
Ethernet		General	
MAC Address		Primary DNS Server	
		Secondary DNS Server	

IPv4		IPv6	
IP Address		IP Address	
Subnet Mask		LinkLocal Address	
Gateway	192.168.66.1	Gateway	

## ■ Information > Remote Control

User can perform several tests to the UPS remotely. Once the option is selected, please click on Apply in order to execute it.



The screenshot shows the NetAgentA web interface for Remote Control. The top navigation bar includes 'Information', 'UPS Information', 'Network Status', and 'Remote Control'. The left sidebar contains 'UPS Status', 'System Status', 'Remote Control', 'SMS Modem Status', 'NetFeeler', 'Configuration', 'Log Information', and 'Management'. The main content area displays 'UPS Testing' and 'Miscellaneous' options. The 'UPS Testing' section includes '10-Second Test', 'Deep Battery Test for 10 minute(s)', 'Test until battery capacity below 10 %', 'Test Until Battery Low', and 'Cancel Test'. The 'Miscellaneous' section includes 'Turn off UPS when AC power Falls', 'Put UPS in Sleep mode for 60 minute(s)', 'Wake up UPS', 'Reboot UPS', and 'UPS Buzzer On/Off'. 'Apply' and 'Reset' buttons are located at the bottom right.

UPS Testing	
<input checked="" type="radio"/> 10-Second Test	
<input type="radio"/> Deep Battery Test for 10 minute(s)	
<input type="radio"/> Test until battery capacity below 10 %	
<input type="radio"/> Test Until Battery Low	
<input type="radio"/> Cancel Test	

Miscellaneous	
<input type="radio"/> Turn off UPS when AC power Falls	
<input type="radio"/> Put UPS in Sleep mode for 60 minute(s)	
<input type="radio"/> Wake up UPS	
<input type="radio"/> Reboot UPS	
<input type="radio"/> UPS Buzzer On/Off	

## ■ Information > SMS Modem Status

This page shows the Modem status when GPRS modem is connecting with NetAgentA

## ■ Information > NetFeeler

This page shows the environmental status when USB NetFeeler/ NetFeeler II and its accessories are connected with NetAgentA.

NetFeeler Status			
Environmental Temperature	29.1 C ( 84.3 F )	Security1 Status	Normal
Environmental Humidity	56 %	Security2 Status	Normal
Water Status	Normal	Security3 Status	Normal
Gas Status	Normal	Security4 Status	Normal
Smoke Status	Normal	Security5 Status	Normal
		Security6 Status	Normal
		Security7 Status	Normal

## ■ Configuration > UPS Configuration

### ● **UPS Properties (Please refer to your UPS specification)**

#### UPS Communication Type:

In order to establish the connection between NetAgentA and UPS, select the compatible protocol which your UPS supported from the list. Wrong protocol selected would cause no communication at all. (Megatec is default protocol)

#### Number of Batteries :

Enter the number of battery that the UPS has.

#### Battery Full Charge Voltage (V) :

Enter the number of the full charged voltage per battery cell. (2.267 is default, this is recommended not to be change)

#### Battery Exhausted Charge Voltage(V) :

Enter the number of exhausted voltage per battery cell. (1.667 is default, this is recommended not to be change)

#### Date of Last Battery replacement(mm/dd/yyyy) :

Enter the date of last battery replacement for record



**NetAgentA**

**Latest Events**  
 [18:00:01] UPS enter Sleep Mode.Power will be cut off  
 [17:59:00] UPS Schedule Shutdown  
 [17:27:32] UPS Load Normal (50%)

**Information**  
**Configuration**

UPS Configuration

- UPS On/Off Schedule
- Network
- Wireless LAN
- SNMP
- Email
- SMS
- Web/Telnet/FTP
- BACnet
- SMS Modem
- NetFeeler
- System

**Log Information**  
**Management**

**UPS Properties** | **Test Log** | Warning Threshold Value

UPS Communication Type: MegaTec  
 Number of Batteries: 2  
 Battery Full Charge Voltage (V): 2.267  
 Battery Exhausted Charge Voltage (V): 1.667  
 Date of Last Battery Replacement (mm/dd/yyyy): 2018/07/04

Apply Reset

Activate Windows  
 Go to Settings to activate Windows.

- **Test log**

Test UPS Every :

Week /2 Weeks/ Month / Quarter UPS can be selected

Start Time of UPS Test (hh:mm) :

To enter the time to begin the test

UPS Test Type :

Test option can be select from the drop down list

UPS Data Log :

To enter the time interval to refreshing data

**NetAgentA**

**Latest Events**  
 [18:00:01] UPS enter Sleep Mode.Power will be cut off  
 [17:59:00] UPS Schedule Shutdown  
 [17:27:32] UPS Load Normal (50%)

**Information**  
**Configuration**

UPS Configuration

- UPS On/Off Schedule
- Network
- Wireless LAN
- SNMP
- Email
- SMS
- Web/Telnet/FTP
- BACnet
- SMS Modem
- NetFeeler
- System

**Log Information**  
**Management**

**UPS Properties** | **Test Log** | Warning Threshold Value

**Test UPS**

Test UPS every: None  
 Start Time of UPS Test (hh:mm):  
 UPS Test Type: 10-Second Test

**UPS Recorder**

UPS Data Log: 0 Minute(s) (-1 = Stop Recording)

Apply Reset

Activate Windows  
 Go to Settings to activate Windows.

- **Warning Threshold Values**

Time out after loss of connection :

Send warning alarm when NetAgentA and UPS lost connection at this configured time

Critical Load(%) :

When loading reaches at this % configured, NetAgentA will send warning alarm

UPS Temperature (°C) :

When UPS temperature reaches at this degree configured, NetAgentA will send warning alarm

Critical Capacity (%) :

When UPS battery capacity reaches at this % configured, NetAgentA will send warning alarm

- **Configuration > UPS On/Off Schedule**

- **UPS Action**

When selected event happens at configured time range, UPS will be shut down

No.	During Time Interval(HH:MM)	Event	Device	Delay Time
1	00:00 - 23:59	UPS Load Overrun	UPS	3
2	00:00 - 23:59	AC Power Failed	UPS	3
3	00:00 - 23:59	UPS Battery Low	UPS	3
4	00:00 - 23:59	UPS Temperature Overrun	UPS	3
6	00:00 - 23:59	Environmental Temperature Underrun	UPS	3
9	00:00 - 23:59	Environmental Water	UPS	3
10	00:00 - 23:59	Environmental Smoke	UPS	3
12	00:00 - 23:59	Environmental Security 1	UPS	3
13	00:00 - 23:59	Environmental Security 2	UPS	3

- **Remote Shutdown**

This is to shut down the network server when selected event happens without install shutdown software. Event needs to be adding under UPS Action first and then enter the IP address of server that wish to be shut down by SSH or Telnet with compatible shutdown command of the server system.

For example: To shutdown Host 1 (Windows server) and Host 2 (Linux server) after 1 minute when AC power failed.

First, go to UPS Action tab, select event of “AC Power Failed” then select “shutdown Host 1 “ , press on Add. The action will be add in the list. Then the same for Host 2, select event of “AC Power Failed” and select “shutdown Host 2” from the list and press on Add to be in the list.

No.	During Time Interval(HH:MM)	Event	Device	Delay Time	
1	00:00 - 23:59	AC Power Failed	host1(192.168.66.222)	1	[Delete]
2	00:00 - 23:59	AC Power Failed	host2(192.168.66.223)	1	[Delete]
3	00:00 - 23:59	UPS Load Overrun	UPS	3	[Delete]

Once action is added, go to Remote Shutdown tab, enter the domain IP for Host 1 and Host 2, select Telnet or SSH for access and then enter the user name/password of the server with its shutdown command of the server. For Windows, “shutdown /a “ is the shutdown command. For Linux, “halt” is the command to shut down. For MAC, it is “sudo shutdown” as the command.

Below to check command menu for different system

- **Windows : shutdown/?**
- **Linux : shutdown –help**
- **MAC : sudo shutdown**

	Domain Name / IP	Login Mode	Port	User Name	Password	Shutdown Commands	
Host1	192.168.66.222	Telnet	23	Administrator	*****	shutdown /a	Test
Host2	192.168.66.223	SSH	22	root	*****	halt	Test
Host3		SSH	22			halt	Test
Host4		SSH	22			halt	Test
Host5		SSH	22			halt	Test
Host6		SSH	22			halt	Test
Host7		SSH	22			halt	Test
Host8		SSH	22			halt	Test

- Weekly Schedule**

This section is to set the time to turn on/off the UPS each day in the week.

**NetAgentA**

**Latest Events**  
 [18:28:13] UPS communication has been lost.  
 [18:00:01] UPS enter Sleep Mode.Power will be cut off  
 [17:59:00] UPS Schedule Shutdown

UPS Action | Remote Shutdown | **Weekly Schedule** | Date Schedule | Wake On Lan

	Turn On (hh:mm)	Turn Off (hh:mm)
Sunday	09:00	18:00
Monday	09:00	18:00
Tuesday	09:00	18:00
Wednesday	09:00	18:00
Thursday	09:00	18:00
Friday	09:00	18:00
Saturday	09:00	18:00

Warning will be initiated  before Scheduled Shutdown Event

- Date Schedule**

This section is to set the time to turn on/off the UPS on particular days. The settings here override the settings in **Weekly Schedule**.

**Warning will be initiated X before Schedule shutdown event**

NetAgentA will send a warning message before a scheduled shutdown. This section sets the delay time period after the message is sent and before the scheduled shutdown is started.

**NetAgentA**

**Latest Events**  
 [18:28:13] UPS communication has been lost.  
 [18:00:01] UPS enter Sleep Mode.Power will be cut off  
 [17:59:00] UPS Schedule Shutdown

UPS Action | Remote Shutdown | Weekly Schedule | **Date Schedule** | Wake On Lan

Date (yyyy/mm/dd)	Turn On (hh:mm)	Turn Off (hh:mm)
2018/07/13	10:00	10:05
2018/07/13	10:10	10:15
2018/07/13	10:20	10:25
2018/07/13	10:30	10:35
2018/07/13	10:40	10:45
2018/07/13	10:50	10:55
2018/07/13	11:00	11:05

Warning will be initiated  before Scheduled Shutdown Event

- **Wake On Lan**

This section is to wake the PC within the network when AC recovery, or, when battery capacity reaches at configured %. (Make sure the PC has such function supported and configure as “Enabled” under BIOS.) Enter the IP address of that PC and system would search its IP accordingly.

- **Configuration > Network**

This page is to set NetAgentA’s Network settings.

- **IPv4**

NetAgentA and DNS IP address can be obtain by drop down list with option of Manually, Using DHCP, or Bootp. If the IP address and DNS has been configured on Netility, then info will automatically show here

- **IPv6**

All NetAgentA series supports IPv6. IP address can be obtain from the drop down list with option of ( Automatic / Stateless DHCPV6 / DHCPV6 / Manual )

☛ Once click on Apply, NetAgentA will reboot

- **Ethernet**

Connection Type

This section is to set communication speed between NetAgentA and Network.

☛ Once click on Apply, NetAgentA will reboot

Stop UPS communication when Ethernet disconnected

This section is to set if to stop UPS communication when NetAgentA disconnects with Ethernet

Modbus on TCP Device ID :

Enter device ID to read/write data when using Modbus on TCP communication with Megatec protocol and Modbus Register Table

- **Dynamic DNS**

This is a free service that allows the user to alias a dynamic IP address to a static hostname. Ensure account/password has been registered from the DNS service provider

Service Provider

Dynamic DNS providers can be select from the list

Domain Name

This is the Domain Name you have created from the above selected DDNS provider

Login Name

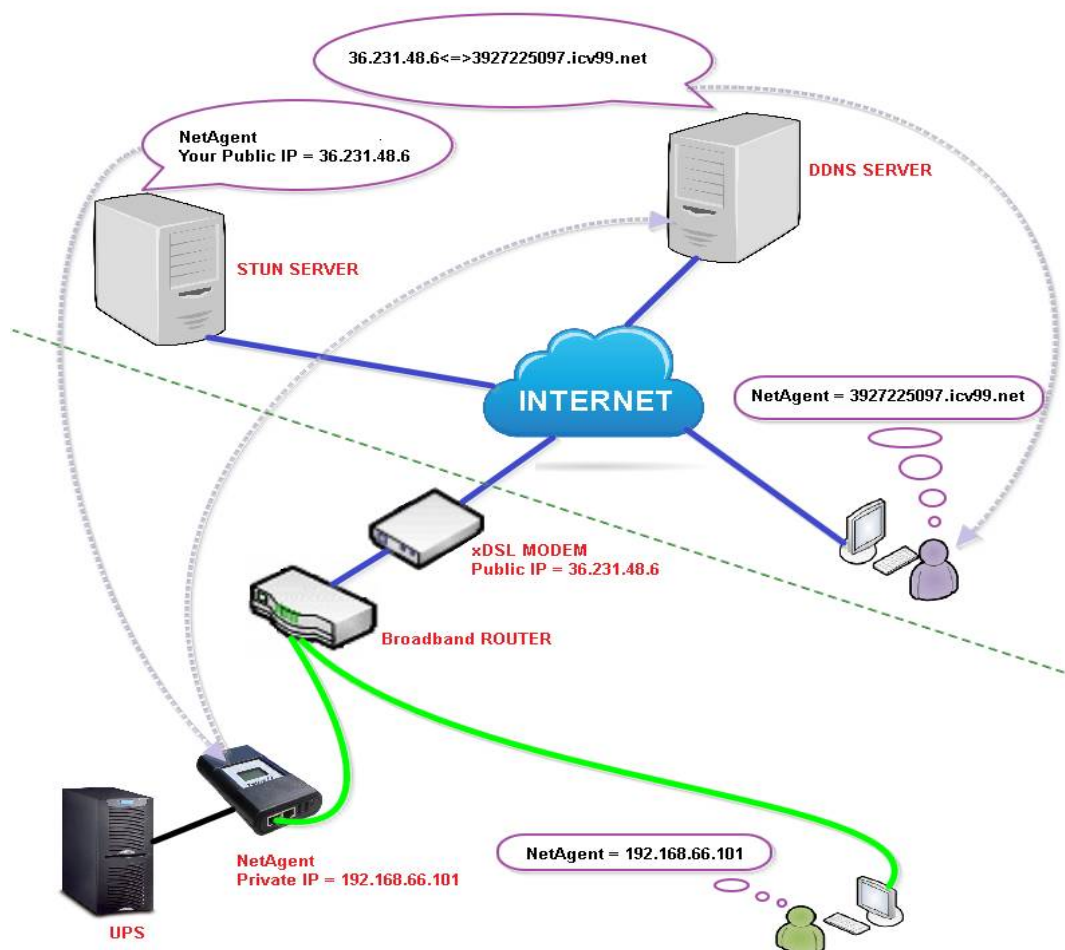
This is the Login / Account name that you have created with the selected DDNS provider.

Login Password:

Enter the Password you have assigned to your DDNS Account.

Use external STUN server to get Public IP to register

Choose **Yes** to ensure that NetAgentA uses the WAN / Public IP to update the selected DDNS server



If to use icv99.net as Service Provide which host by Megatec, instruction as below:

1. Ensure NetAgentA is able to connect to Internet. Select icv99.net from the drop down list of the Service Provider. The Domain Name and Login Name will automatically be fill-in with serial number of the device. Enter the password of the NetAgentA which is printed on the NetAgentA label, then click Apply.

The screenshot shows the NetAgentA web interface. The left sidebar contains navigation menus: Information, Configuration, Network, SMS, Web/Telnet/FTP, BACnet, SMS Modem, NetFeeler, System, Log Information, and Management. The main content area is titled 'Dynamic DNS' and includes fields for Service Provider (a dropdown menu), Domain Name, Login Name, Login Password, Use external STUN server to get Public IP to register (a dropdown), Primary STUN Server IP (211.21.67.53), and Secondary STUN Server IP. A dropdown menu for Service Provider is open, showing options like 3322.org, dyndns.org, etc. Annotations include: '1. Select icv99.net' pointing to the Service Provider dropdown, '2. Enter password' pointing to the Login Password field, and '3. Click Apply' pointing to the Apply button. A 'Latest Events' box at the top right shows 'There is no latest Event.' An 'Activate Windows' watermark is visible at the bottom right.

2. If using router, please login to router and direct IP and port number under virtual server for port forwarding. Kindly refer to router's manual

### Router Configuration

The screenshot shows the 'VIRTUAL SERVER' configuration page on a router. The left sidebar lists various configuration options: VIRTUAL SERVER, PORT FORWARDING, APPLICATION RULES, QOS ENGINE, NETWORK FILTER, ACCESS CONTROL, WEBSITE FILTER, INBOUND FILTER, FIREWALL SETTINGS, ROUTING, and ADVANCED WIRELESS. The main content area is titled 'VIRTUAL SERVER' and contains a description: 'The Virtual Server option allows you to define a single public port on your router for redirection to an internal LAN IP Address and Private LAN port if required. This feature is useful for hosting online services such as FTP or Web Servers.' Below the description are 'Save Settings' and 'Don't Save Settings' buttons. A table titled '24 -- VIRTUAL SERVERS LIST' is shown with the following data:

	Name	Application Name	Port	Protocol	Schedule
<input checked="" type="checkbox"/>	BY506	<< Application Name	Public Port: 80	TCP	Always
	IP Address: 192.168.66.101	<< Computer Name	Private Port: 80	6	Inbound Filter: Allow All



3. After 20 minutes, NetAgentA should be login with its DDNS Domain name

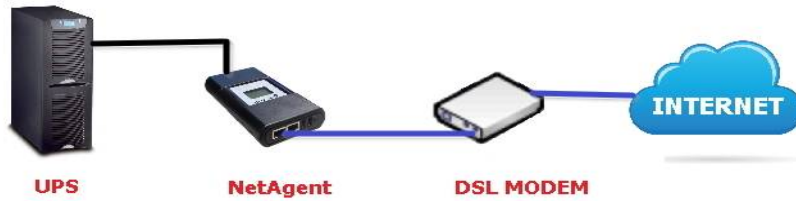
The screenshot shows the NetAgentA web interface. The address bar displays `http://3927389963.icv99.net/`. The interface includes a navigation menu on the left with options like 'Information', 'UPS Status', 'System Status', 'Remote Control', 'GME Modem Status', 'NetFeeler', 'Configuration', 'Log Information', and 'Management'. The main content area is divided into 'System Information' and 'Dynamic Domain Name Server (DDNS)'. The 'System Information' table lists details such as Hardware Version (HDA806), Firmware Version (3.6.DA806.VTs), Serial Number (3927492545), System Name (UPS Agent), System Contact (Administrator), Location (My Office), System Time (2019/01/16 08:16:14), and Uptime (01:13:48). The 'DDNS' section contains a diagram comparing 'without DDNS' and 'with DDNS' scenarios, and a form with fields for 'Domain Name' (2927225097.icv99.net) and 'Domain Password' (masked with dots), along with a 'Sign In' button.



This screenshot shows the 'Dynamic Domain Name Server (DDNS)' configuration page. It features a 'Logout' link in the top right corner and two progress steps: 'Step1 : Registration' and 'Step2 : Set Domain Name and Click Done'. A table displays registration details: Product Serial number (3927225097), Register IP (127.0.0.1), and Default Domain Name (3927225097.icv99.net). Below this is a form for setting a new domain name. The form includes fields for 'Set New Domain Name' (containing 'bty505.icv99.net'), 'Domain Password' (masked with dots), 'Re-enter Password' (masked with dots), and 'E-mail address' (containing 'ttc@gmail.com'). A 'Done' button is located at the bottom of the form. Annotations with yellow arrows point to these fields, and blue callout boxes provide instructions: 'New Domain name' points to the domain name field, 'Enter new password' points to the password fields, 'Enter email' points to the email field, and 'Click on Done' points to the 'Done' button. A red note states: '\* Blank = Use existing password Required, if a new domain name is assigned. Must be 4 to 10 characters (0-9, a-z, A-Z only)'.

- **PPPoE**

Use this option to allow NetAgentA to connect to the Internet directly using your xDSL modem by PPPoE. Enter the Login name and password to enable the connection. Once set-up, NetAgentA will connect directly to the Internet , any abnormal connection failure would also cause to re-dial



The screenshot shows the NetAgentA web interface. The top navigation bar includes 'Information', 'Configuration', 'UPS Configuration', 'UPS On/Off Schedule', 'Network', 'Wireless LAN', 'SNMP', 'Email', 'SMS', 'Web/Telnet/FTP', 'BACnet', 'SMS Modem', 'NetFeeler', 'System', 'Log Information', and 'Management'. The main content area is titled 'PPPoE' and has tabs for 'IPv4', 'IPv6', 'Ethernet', 'Dynamic DNS', and 'PPPoE'. A dropdown menu is set to 'Connect always', with a callout box 'Select Connect Always' pointing to it. Below this are input fields for 'Login Name' and 'Login Password', with callout boxes 'Enter Login Name' and 'Enter Password' pointing to them. 'Apply' and 'Reset' buttons are at the bottom right. A 'Latest Events' box at the top right shows 'There is no latest Event.' An 'Activate Windows' watermark is visible at the bottom.

## ■ Configuration > Wireless LAN

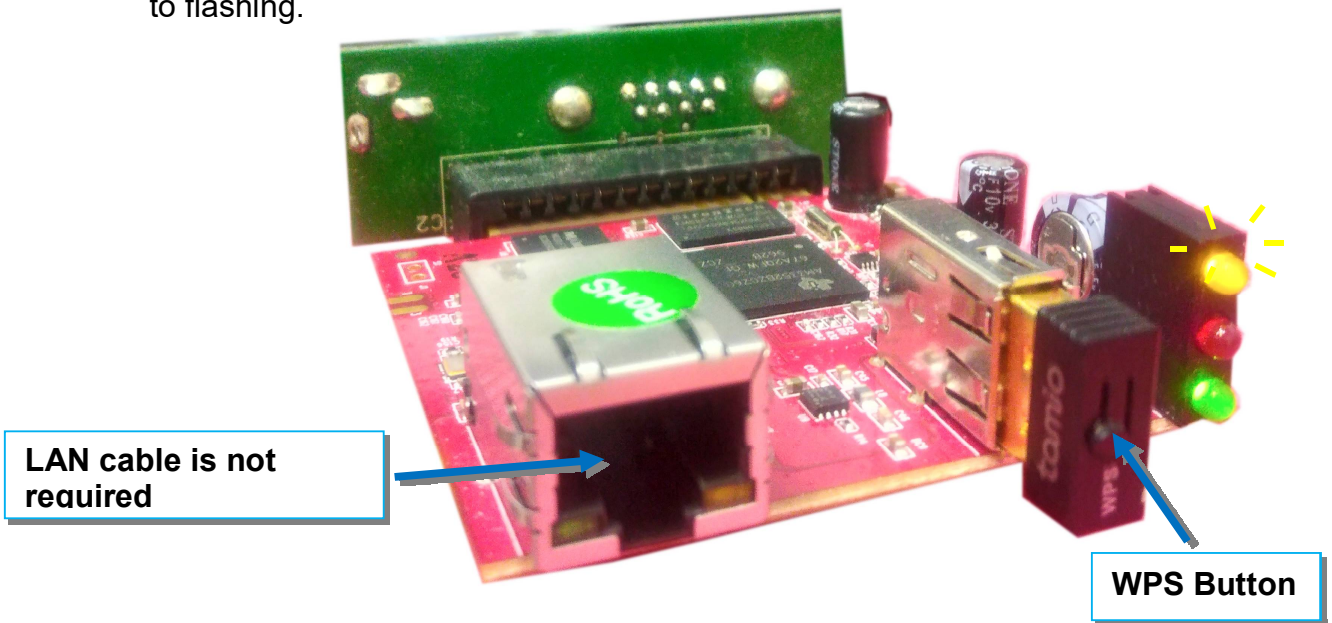
This is to configure NetAgentA Wireless network with compatible USB wireless dongle.

### Login to the Wireless Router

- (1)SSID : Name it (any)
- (2)Authorization : Select **WPA2-Personal**
- (3)WPAEncryption : **AES**
- (4)WPA-PSKKey : Enter any password (8~63 digits ASCII code)



- (1) Connect U1 Tamio dongle to NetAgentA card ( If it is model-DA806, use the M2509 cable to convert).
- (2) Press WPS button on Tamio dongle for 2~3 seconds until the yellow LED begins to flashing.



**WPS Setting for the wireless router :**

When yellow LED of the NetAgentA is flashing , open up WPS setting page of the wireless router. With WPS connection mode,

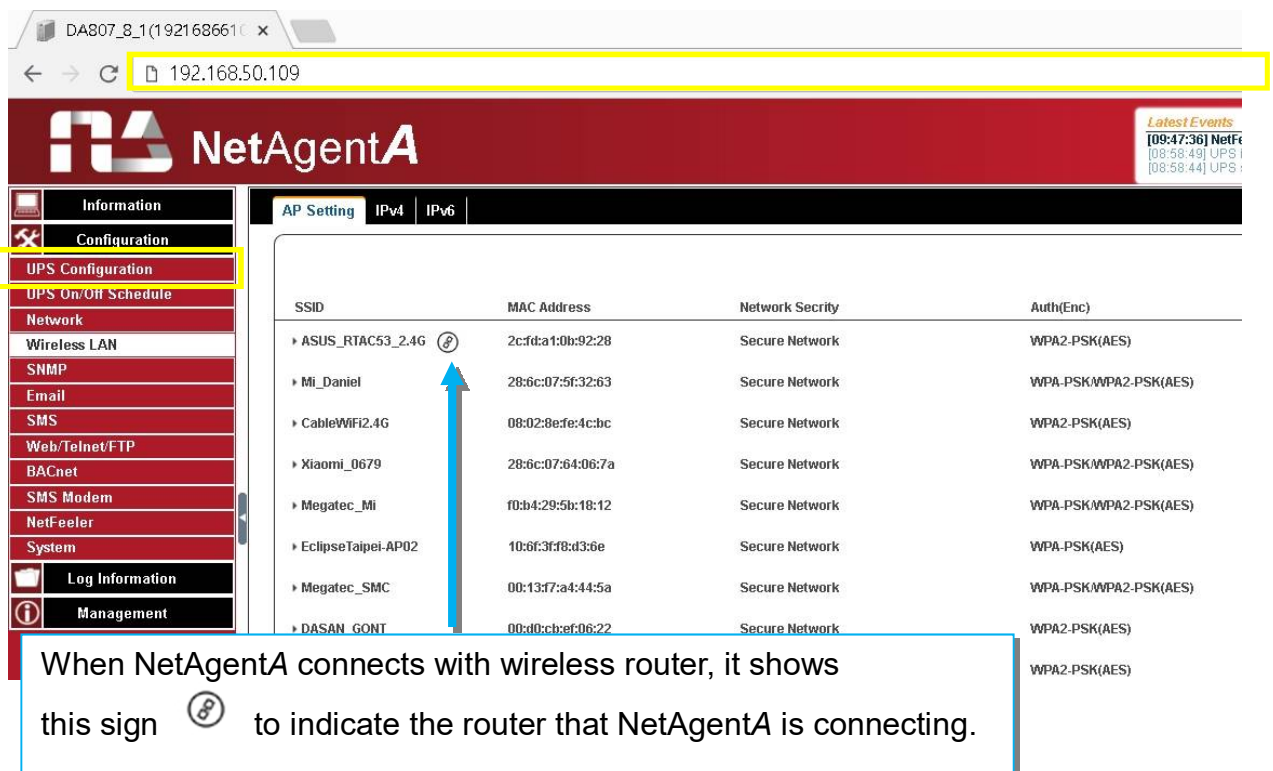
- (1) Select "**WPS button**"
- (2) Click on "**Start**"





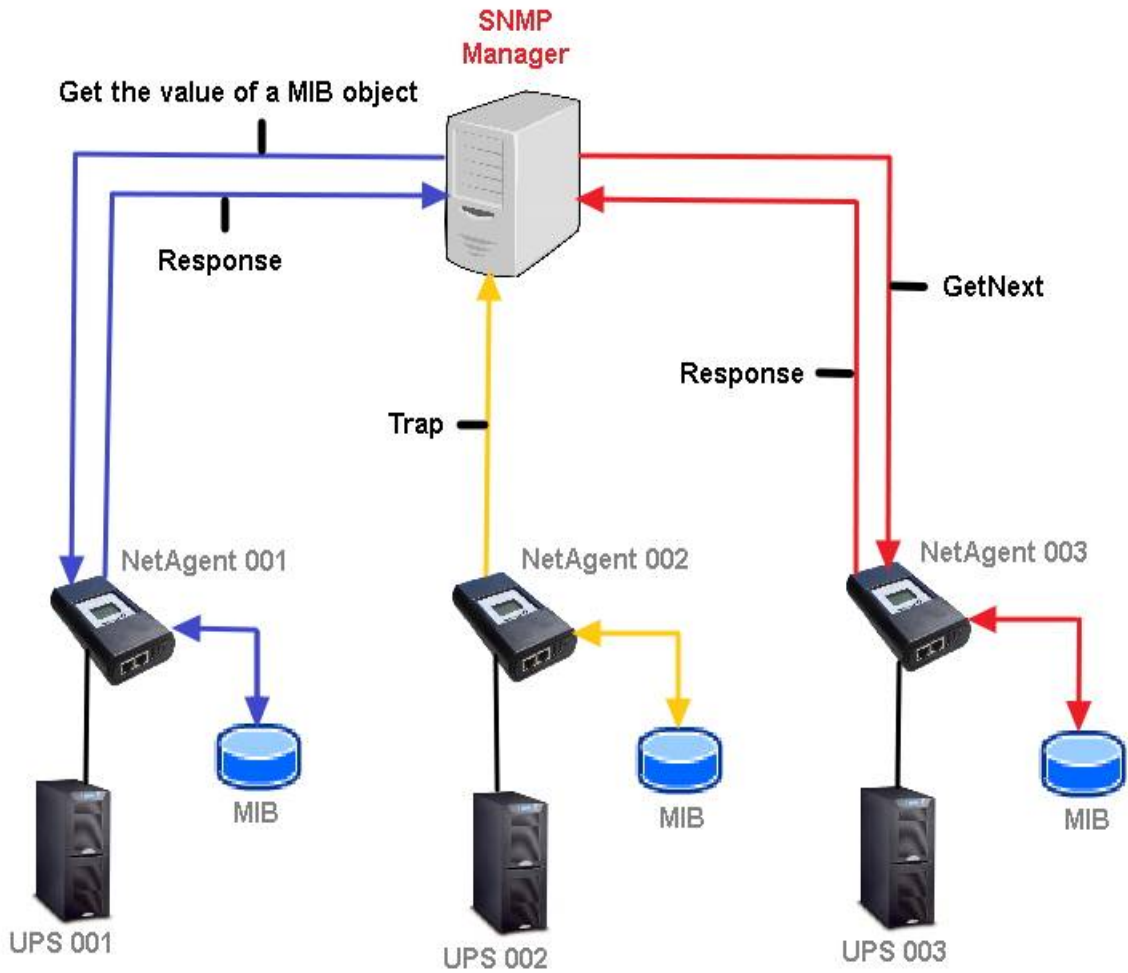
Open up Netility to login to NetAgentA :

- (1)Once NetAgentA is connected with wireless router via WPS, Netility should be able to find this wireless NetAgentA
- (2)Login to NetAgentA's webpage , under **Configuration > Wireless Lan** webpage, it shows the wireless signal  
(With distance of 6-10 meters. Router RT-AC53 still shows with full signal)



## ■ Configuration > SNMP

This page is to configure NetAgentA SNMP settings to be used by NMS ( Network Management System). (e.g: SNMPView, it is available on the NetAgentA Utility CD.)



- **General**

### MIB System

#### System Name

This section is to give a name to the NetAgentA.

#### System Contact

This section is to give a name to the administrator.

#### System Location

This section is to set NetAgentA location.

### SNMP UDP Port

#### NetAgentA SNMP Port :

The port that NetAgentA receive and send SNMP command. (Default is 161)

#### Trap Receive Port :

The port to receive trap. (Default is 162)

### SNMPv3 Engine ID

#### SNMPv3 Engine ID Format Type :

When using SNMPv3, NetAgentA requires to have its Engine ID for identification to generates authentication and encryption key . Format type can be select from the drop down list with option of MAC Address / IPv4 / IPv6 / Manual

☛ Once click on Apply, NetAgentA will reboot

#### SNMPv3 Engine ID Text :

SNMPv3 Engine ID content

The screenshot displays the NetAgentA web interface. The top navigation bar includes 'Information', 'Configuration', 'SNMP', 'Email', 'SMS', 'Web/Telnet/FTP', 'BACnet', 'SMS Modem', 'NetFeeler', 'System', 'Log Information', and 'Management'. The 'Configuration' menu is expanded, showing 'UPS Configuration', 'UPS On/Off Schedule', 'Network', and 'Wireless LAN'. The 'SNMP' section is selected, and the 'General' tab is active. The configuration fields are as follows:

MIB System	
System Name	UPS Agent
System Contact	Administrator
System Location	My Office

SNMP UDP Port	
NetAgent SNMP Port	161
Trap Receive Port	162

SNMPv3 Engine ID	
SNMPv3 Engine ID Format Type *	MAC Address
SNMPv3 Engine ID Text	80003461030003ea146ac1

\* : System will reboot when these items have been Applied.

Buttons: Apply, Reset

Footer: Activate Windows. Go to Settings to activate Windows.



- **Access Control**

Manager IP Address :

This is to set the IP address that the administrator can manage NetAgentA from. It is valid for up to 8 IP addresses. To manage NetAgentA from any IP address, enter \*.\*.\*.\* into **Manager IP address**.

Version:

This is to select between SNMPv1& SNMPv2 or When select All and V3, user name, password, authentication and privacy are required

Community :

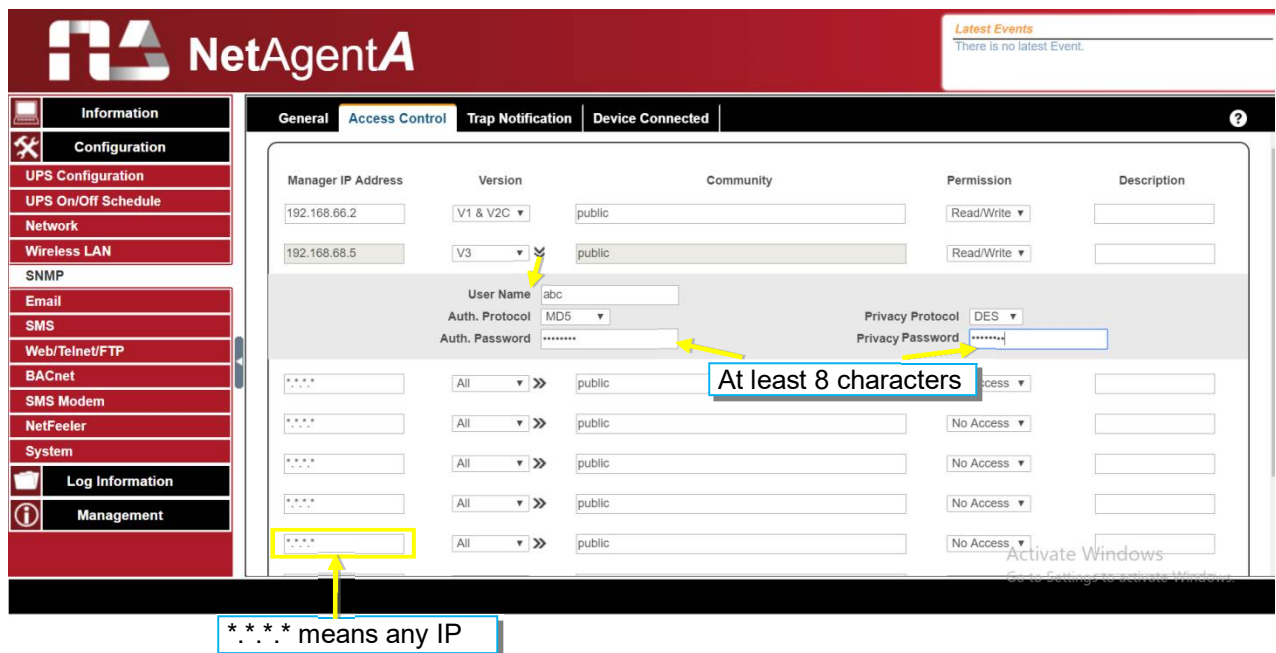
This section is to set a Community name for NMS. The community name has to be as the same as the setting in NMS. (Default is public)

Permission :

This is to set authorities of administrators. Options are Read, Read/Write, and No Access.

Description :

This is to make note for administrator's reference



- **Trap Notification**

Trap Notification

Destination IP Address :

To set receivers IP address for receiving traps sent by NetAgentA. It is valid for up to 8 IP Addresses.

Accept :

Select the trap type of its SNMP version or Inform from drop down list. When SNMPv3 trap or SNMPv3 Inform is selected, username/password and authentication information are required.

Community :

Trap receiver and NetAgentA must be same community. (Default is public)

Trap Type :

Select from PPC MIB or RFC1628 MIB (Default is PPC)

• MIB file is available in the CD provided with NetAgentA

### Severity :

This section is to set Trap level for each receiver. There are three levels as below

- Information: To receive all traps.
- Warning: To receive only “warning” and “severe” traps.
- Severe: To receive only “severe” traps.  
( Please refer to NMS manual for Trap levels.)

### Description :

This is to make note for administrator’s reference

### Events :

This is to select events for NetAgentA to send traps. Click on Select to show the full Events List. Click on Test to send test trap to ensure all setting is correct

### Send Power Restore and Adaptor Restore Traps for X time(s) in X second(s) Interval.

This is to set number of trap to send in preset second when power restore on NetAgentA. This is to check if the communication between trap receiver and NetAgentA remains well or not after power recovers

### SNMP Inform Request

This is to set the number of times that the NetAgentA can request a response from the sending Inform host with a preset value. (Default is 3 times and an interval of 5 seconds)

The screenshot displays the NetAgentA configuration interface. The top navigation bar includes 'Information', 'Configuration', 'UPS Configuration', 'UPS On/Off Schedule', 'Network', 'Wireless LAN', 'SNMP', 'Email', 'SMS', 'Web/Telnet/FTP', 'BACnet', 'SMS Modem', 'NetFeeler', 'System', 'Log Information', and 'Management'. The 'Trap Notification' tab is active, showing a table of trap configurations. A yellow arrow points to the 'SNMPv3 Inform' dropdown menu in the table. Below the table, the 'SNMP Inform Request' section is visible, with 'Number of Retries' set to 3 and 'Timeout (sec)' set to 5. The bottom of the interface shows a login form with fields for 'User Name' (abc), 'Auth. Protocol' (MD5), 'Privacy Protocol' (DES), 'Auth. Password', and 'Privacy Password'. A 'Manager Engine ID' field is also present.

IP Address	Protocol	Community	Trap Level	Event	Action
192.168.2.53	SNMPv3 Inform	public	Information		Select Test
	No	public	Information		Select Test
	No	public	Information		Select Test
	No	public	Information		Select Test
	No	public	Information		Select Test
192.168.2.43	SNMPv3 Inform	public	Information		Select Test

Send Power Restore and Adapter Restore Traps for 0 time(s) in 0 second(s) interval.

**SNMP Inform Request**

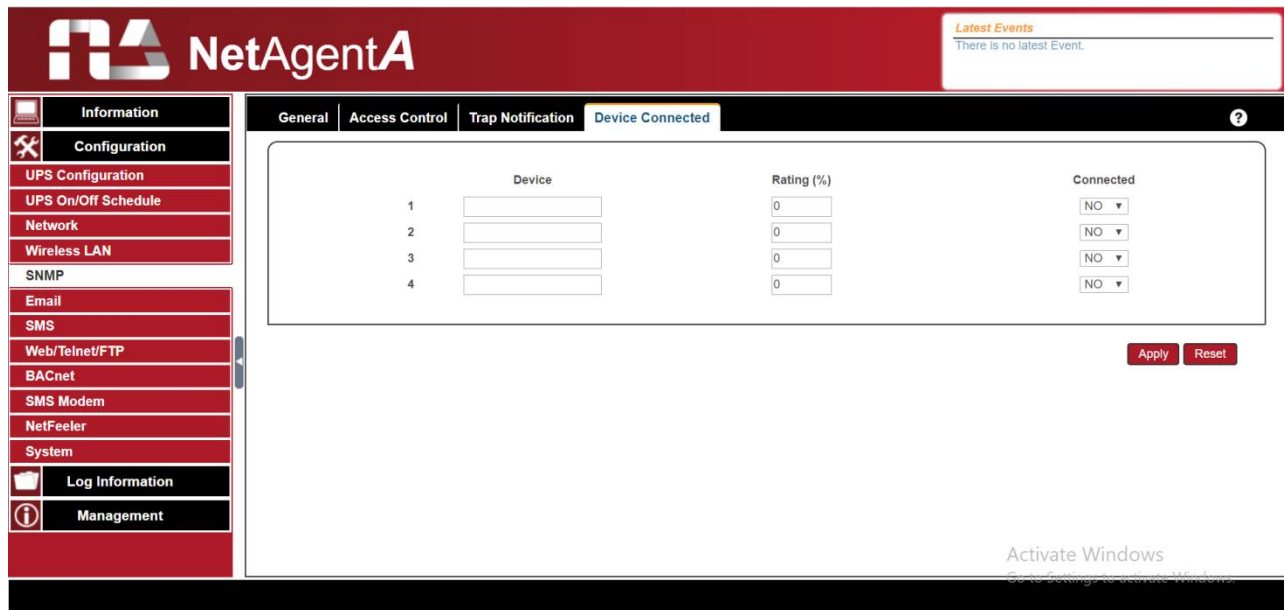
Number of Retries	3
Timeout (sec)	5

Activate Windows  
Go to Settings to activate Windows.

User Name: abc  
Auth. Protocol: MD5  
Privacy Protocol: DES  
Auth. Password: .....  
Privacy Password: .....  
Manager Engine ID: \_\_\_\_\_

- **Device Connected**

This section is to set the usage power and connection status of other devices which connects to the same UPS as NetAgentA uses.



- **Configuration > Email**

To send email notification when event occurs or data log. Encryption supports are SSL/TLS/STARTTLS

- **Email Setting**

Email Server:

Enter the address of email server

Email Port:

Email Port that use for sending email

Enable SSL on Email Transmission:

Select SSL type for email transmission

Sender's Email Address :

To enter the email address that for sending email

Email Server Requires Authentication :

If such email server requires authentication or not

Account name :

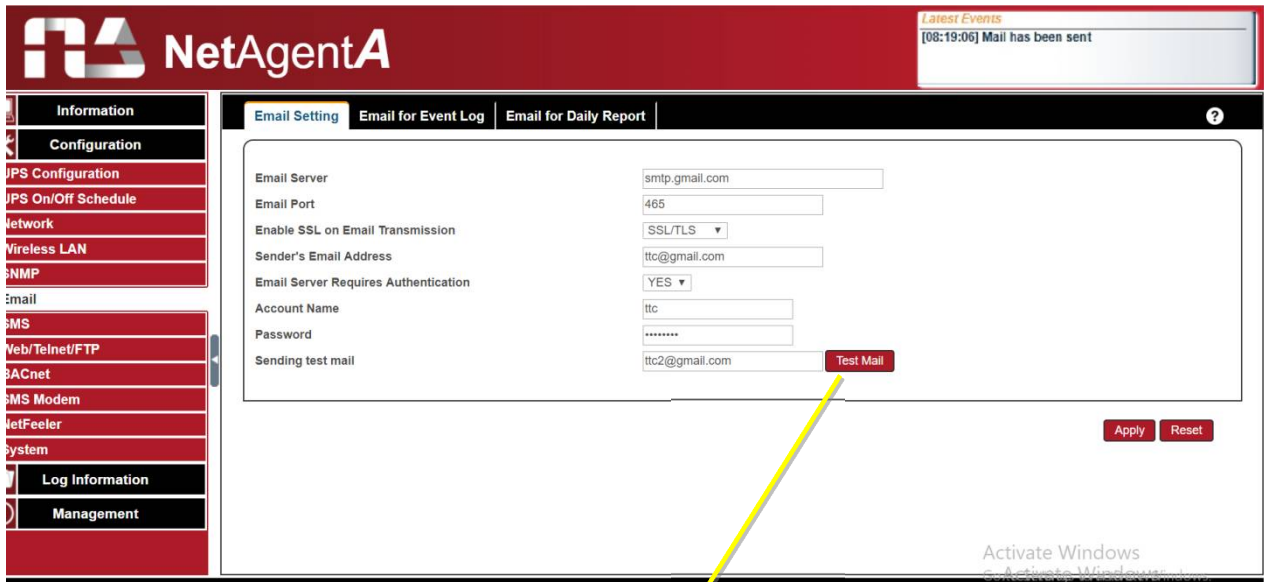
If authentication is required, enter its account name

Password :

If authentication is required, enter its password

Sending Test Mail :

Enter email address to check all configuration is correct or not to receiving mail

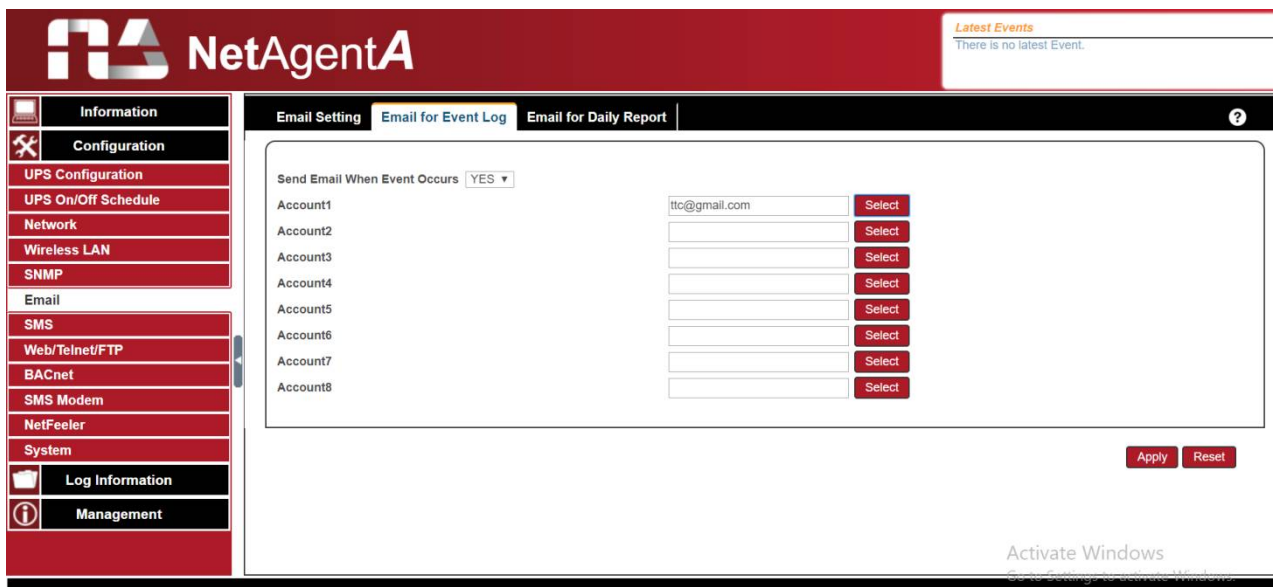


Test Email Received



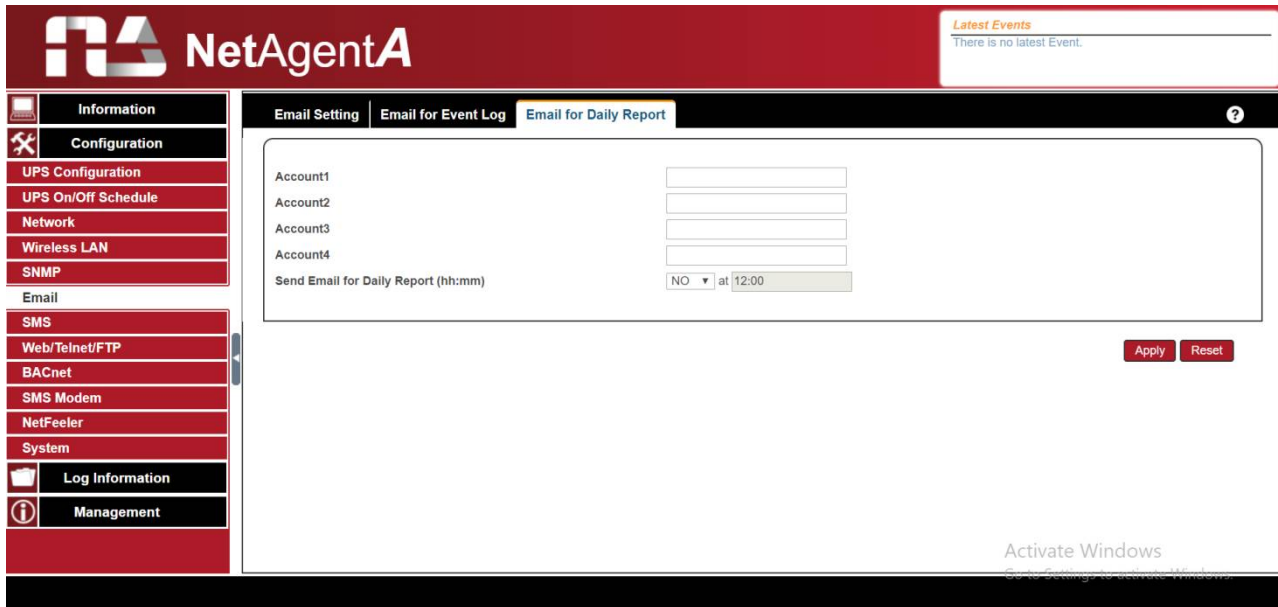
- **Email for Event Log (To received email notification)**

To set email addresses to receive warning email sent by NetAgentA when selected event occurs. It is valid for up to 8 Email addresses.



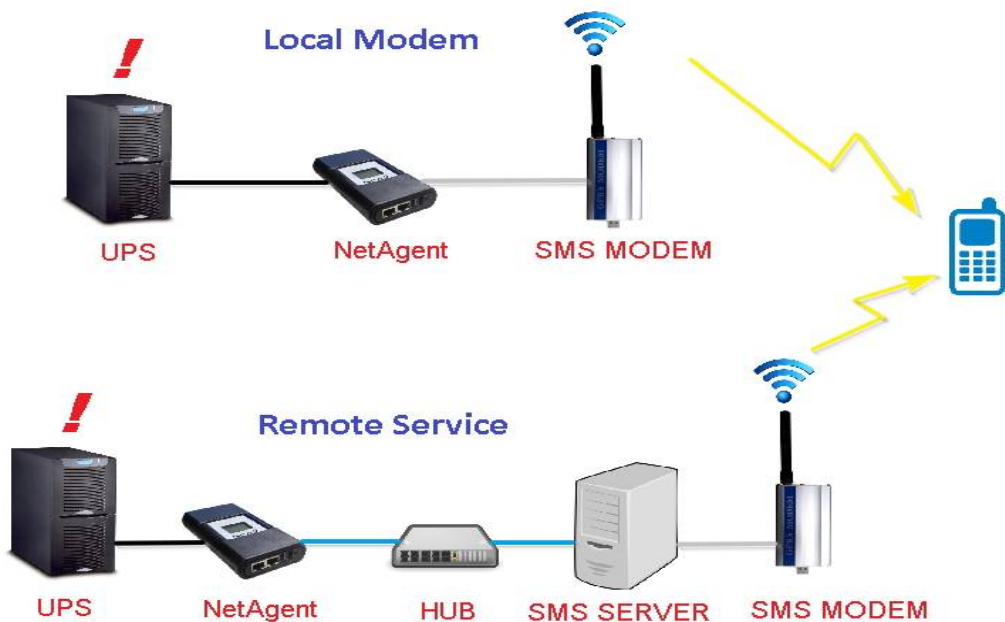
- **Email for Daily Report (To receive daily report)**

This section is to set email addresses to receive NetAgentA's Daily Report at pre-set time. It is valid for up to 4 email addresses. Daily report will be the content of event and data log.



- **Configuration > SMS**

When UPS events occurs, it allows Short Message Signals (“SMS”) to be sent and received using a GSM/GPRS/CDMA Modem. Operation information are as below for single and three ports of NetAgentA.



- **SMS Setting**

Send SMS When Event Occurs:

- Disable : No SMS Service
- Use Local Modem : When GSM modem is connected to NetAgentA directly (Refer to SMS Modem section for its installation)
- Use Remote Service : When GSM modem connects to PC with SMS Server software installed (Refer to SMS Server section for SMS Server Software installation)

**SMS Server :**

If select to use Remote Service to send SMS, then enter the IP address of the SMS Server.

(The PC that installed SMS Server Software)

**SMS Port :**

If select to use Remote Service to send SMS, enter the port number that SMS Server uses for sending SMS. (Port 80 is default)

**Account Name :**

If select to use Remote Service to send SMS, enter SMS Server's account name if required

**Password :**

If select to use Remote Service to send SMS, enter SMS Server's password if required

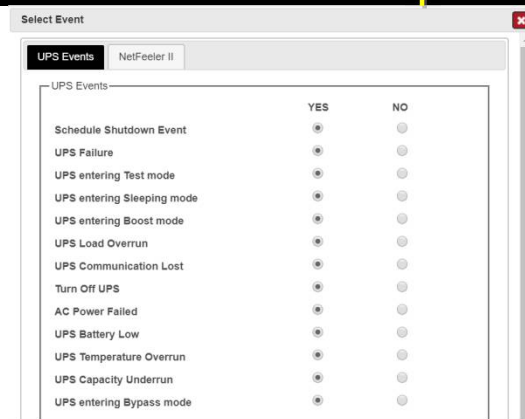
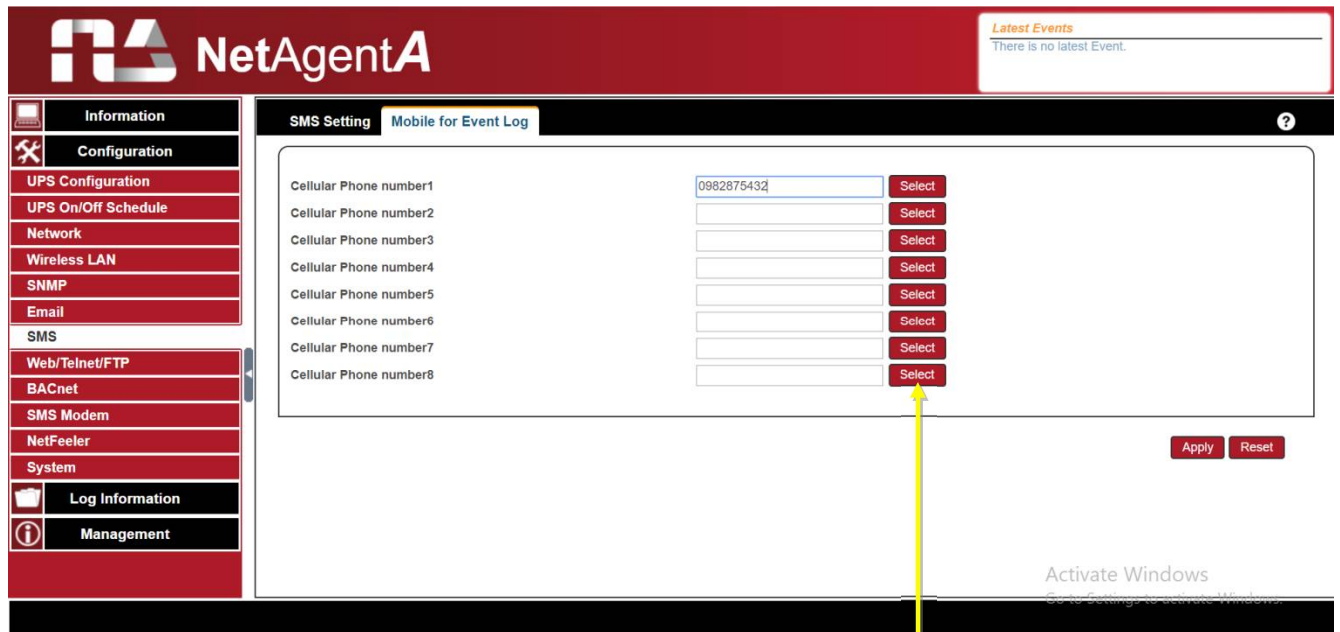
**Sending test SMS :**

When modem and configuration are ready, enter a mobile number to receive testing SMS

The screenshot displays the NetAgentA web interface. At the top, the NetAgentA logo is visible on the left, and a 'Latest Events' section on the right shows 'There is no latest Event.' Below the header is a navigation menu with 'Information', 'Configuration', 'Log Information', and 'Management'. The 'Configuration' menu is expanded, showing options like 'UPS Configuration', 'Network', 'SNMP', 'Email', 'SMS', 'Web/Telnet/FTP', 'BACnet', 'SMS Modem', 'NetFeeler', and 'System'. The 'SMS' option is selected, leading to the 'SMS Setting' page. This page has a sub-tab 'Mobile for Event Log'. The main content area contains the following fields: 'Send SMS When Event Occurs' (dropdown menu set to 'Use Local Modem'), 'SMS Server' (text input), 'SMS Port' (text input with '80' entered), 'Account Name' (text input), 'Password' (text input), and 'Sending test SMS' (text input). A 'Test SMS' button is located to the right of the 'Sending test SMS' field. At the bottom right of the configuration area are 'Apply' and 'Reset' buttons. An 'Activate Windows' watermark is visible at the bottom of the page.

- **Mobile for Event Log**

To set the recipient's mobile number for SMS notification when event or NetFeeler event occurs. A total of 8 mobile numbers can be assign.



- **Configuration > Web/Telnet/FTP**

To set permission for each user account for Web, Telnet and FTP access with up to 8 users. Also to enable/disable specific port for HTTP/HTTPS, Telnet/ SSH and FTP

- **HTTP/HTTPS**

Enter specific port number to access or disable for HTTP, HTTP proxy, HTTPS

**HTTP/HTTPS Account**

User Name :

To set password for NetAgentA Web access.

Password :

To set password for NetAgentA Web access.

Permission :

To set No Access / Read/ Read&Write)

✳ Permission Rule : At least one user account must be Read/Write

✳ Permission Rule : User name with Read and Write cannot be blank

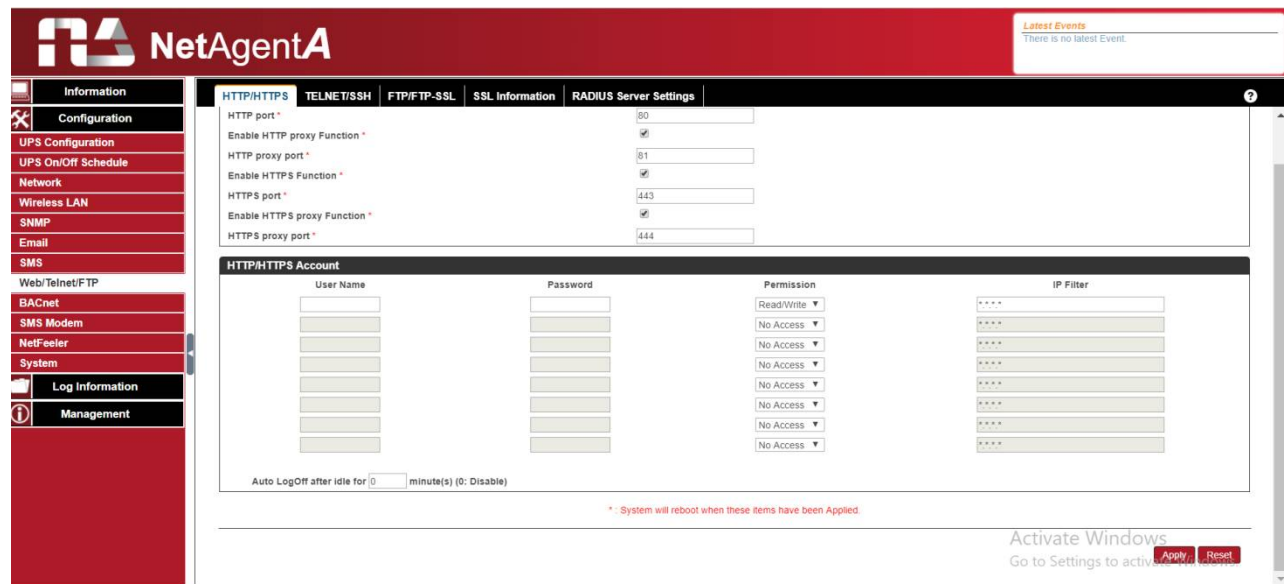
### IP Filter :

Only specific IP address could login to NetAgentA

☀ \*.\*.\*.\* means any IP address

Auto Logoff after Idle for [ ] minute (s). ( 0 is disabled)

NetAgentA webpage will be logoff automatically if it idles for the preset value.



- **Telnet/SSH**

Enter specific port number to access or disable for Telnet/SSH

### Telnet/SSH Account

Same as HTTP account/password settings

This is to duplicate the same settings from HTTP

### User Name :

To set password for NetAgentA Telnet access.

### Password :

To set password for NetAgentA Telnet access.

### Permission :

To set No Access / Read/ Read&Write)

☀ **Permission Rule : At least one user account must be Read/Write**

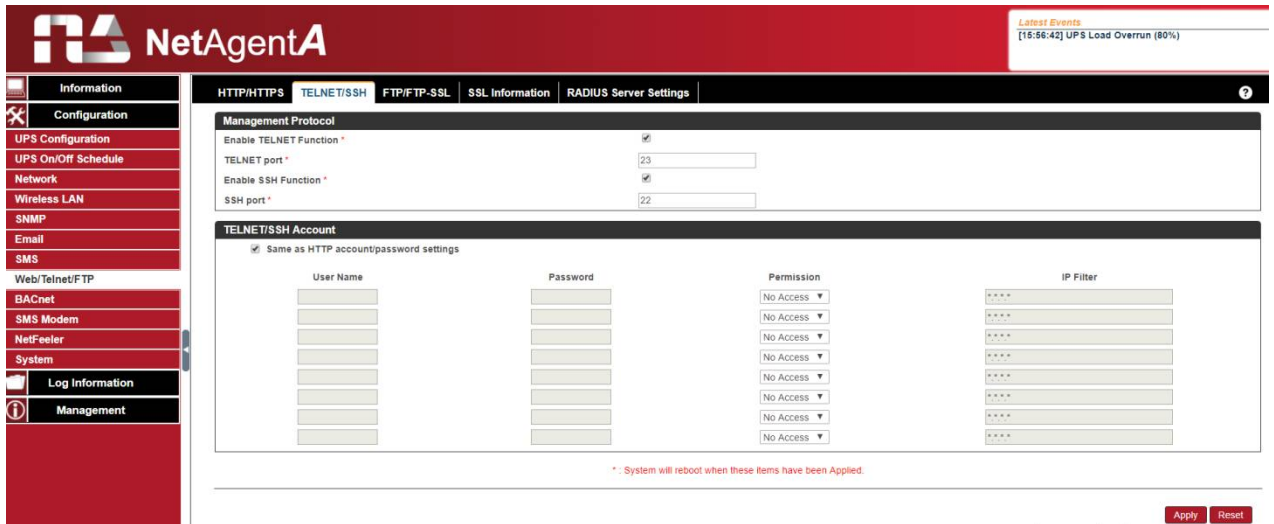
☀ **Permission Rule : User name with Read and Write cannot be blank**

### IP Filter :

Only specific IP address could login to NetAgentA

☀ \*.\*.\*.\* means any IP address





• **FTP/FTP-SSL**

To select the access between FTP and FTP-SSL with specific port number or to disabled it  
**FTP/FTP-SSL Account**

Same as HTTP account/password settings

This is to duplicate the same settings from HTTP

User Name :

To set password for NetAgentA FTP access.

Password :

To set password for NetAgentA FTP access.

Permission :

To set No Access / Read/ Read&Write)

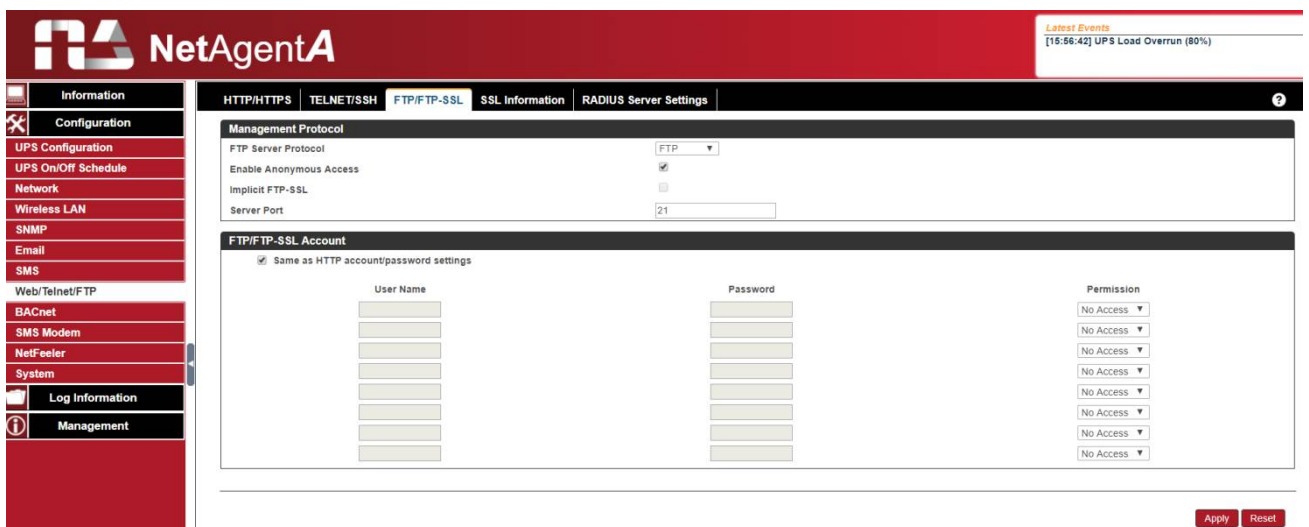
☛ **Permission Rule : At least one user account must be Read/Write**

☛ **Permission Rule : User name with Read and Write cannot be blank**

IP Filter :

Only specific IP address could login to NetAgentA

☛ **\*.\*.\*.\* means any IP address**



- **SSL Information**

NetAgentA supports HTTPS protocol and varies SSL encryptions version for network connection. User may upload its Public Key and Certification for authentication

### HTTPS Protocols

Select the encryption version

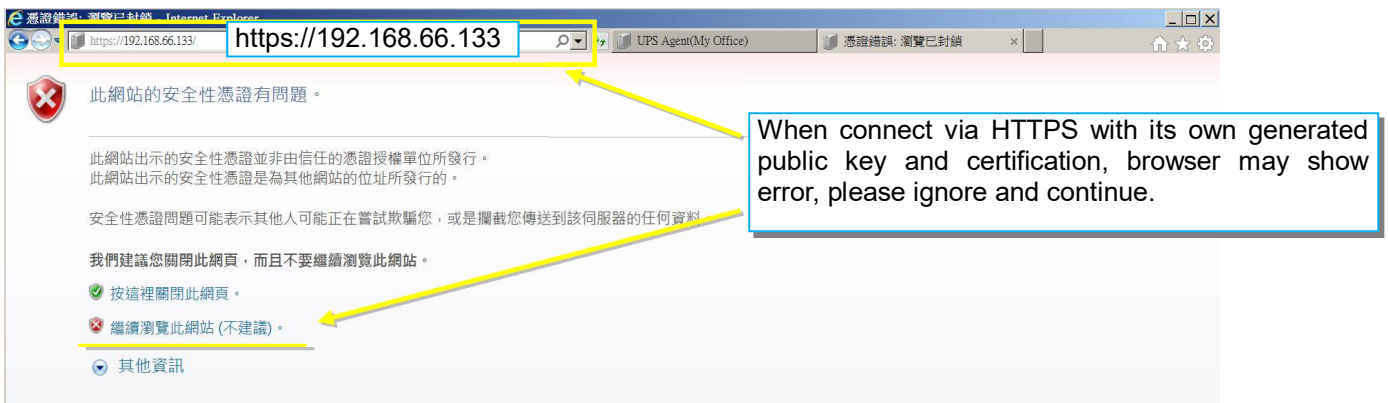
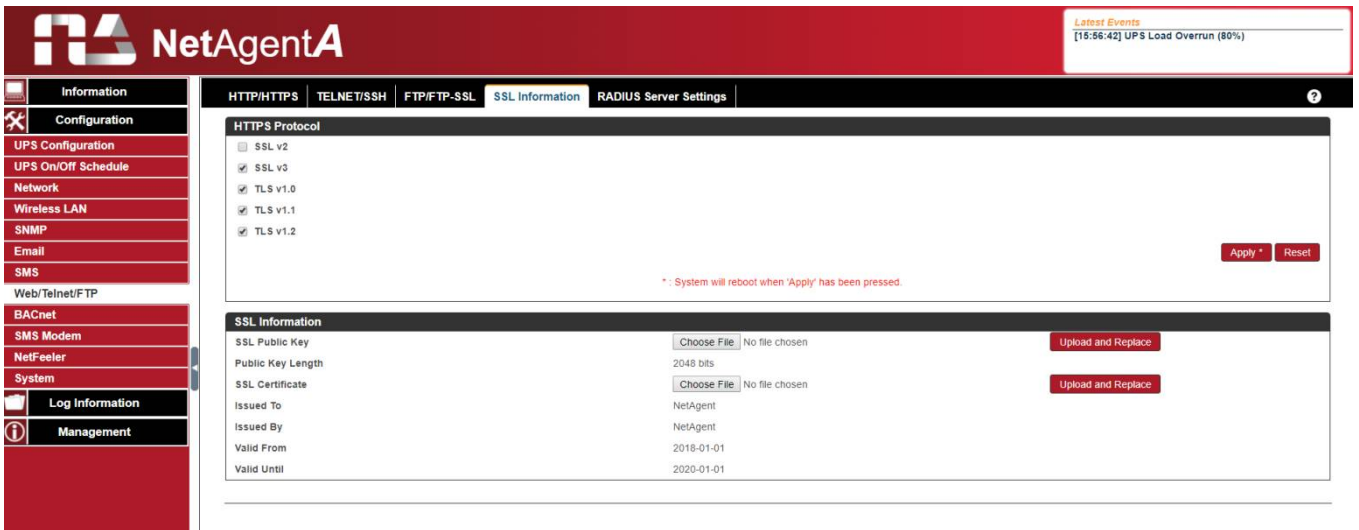
- SSL v2
- SSL v3
- SSL v1.0
- SSL v1.1
- SSL v1.2

☀ Once click on Apply, NetAgentA will reboot

### SSL Information

This is to upload the SSL certificate. When both public key and certificate are uploaded to NetAgentA web server, the communication will be encrypted by SSL

(To communicate via Https, make sure to enable Https port 443.)To create its own public key and certification, please refer to OpenSSL software in the CD



- **RADIUS Server Setting**

If RADIUS server authentication is required for the network, NetAgentA could be added by entering following parameter.



Enable RADIUS in Web/Telnet Login:

To select if to enable RADIUS

RADIUS Server Address :

To enter the IP address of the RADIUS Server

Authentication Port :

RADIUS port number (Default is 812)

Shared Key :

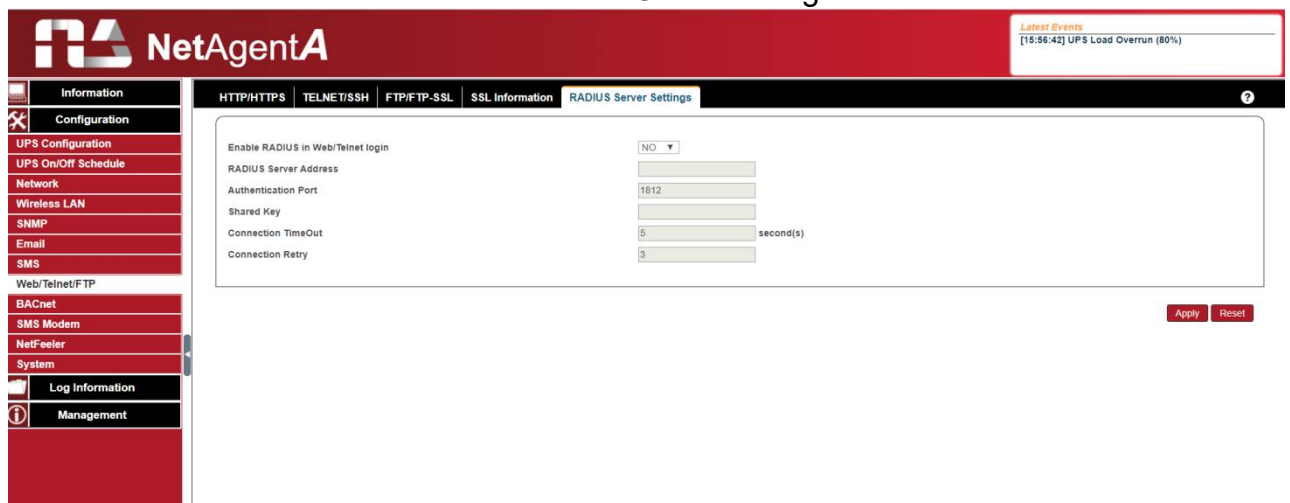
Enter the Shared Key between RADIUS Server and client

Connection Timeout :

Set the number of seconds to suspend the login time after the RADIUS server is rejected

Connection Retry :

Sets the number of connections to the RADIUS server again



## ■ Configuration > BACnet

NetAgentA supports BACnet/IP (Building Automation and Control/Internet Protocol)

- **BACnet**

### BACNet Device

Configure the device ID and access port number for the NetAgentA when using BACnet for communication

### Notification

Enter the IP address of the PC that to be notify by BACnet software when event occurs

**NetAgentA** Latest Events  
[16:56:42] UPS Load Overrun (89%)

**BACnet**

**BACNet Device**

BACNet Device ID: 1016  
BACNet Port (0-65535): 47808

**Notification**

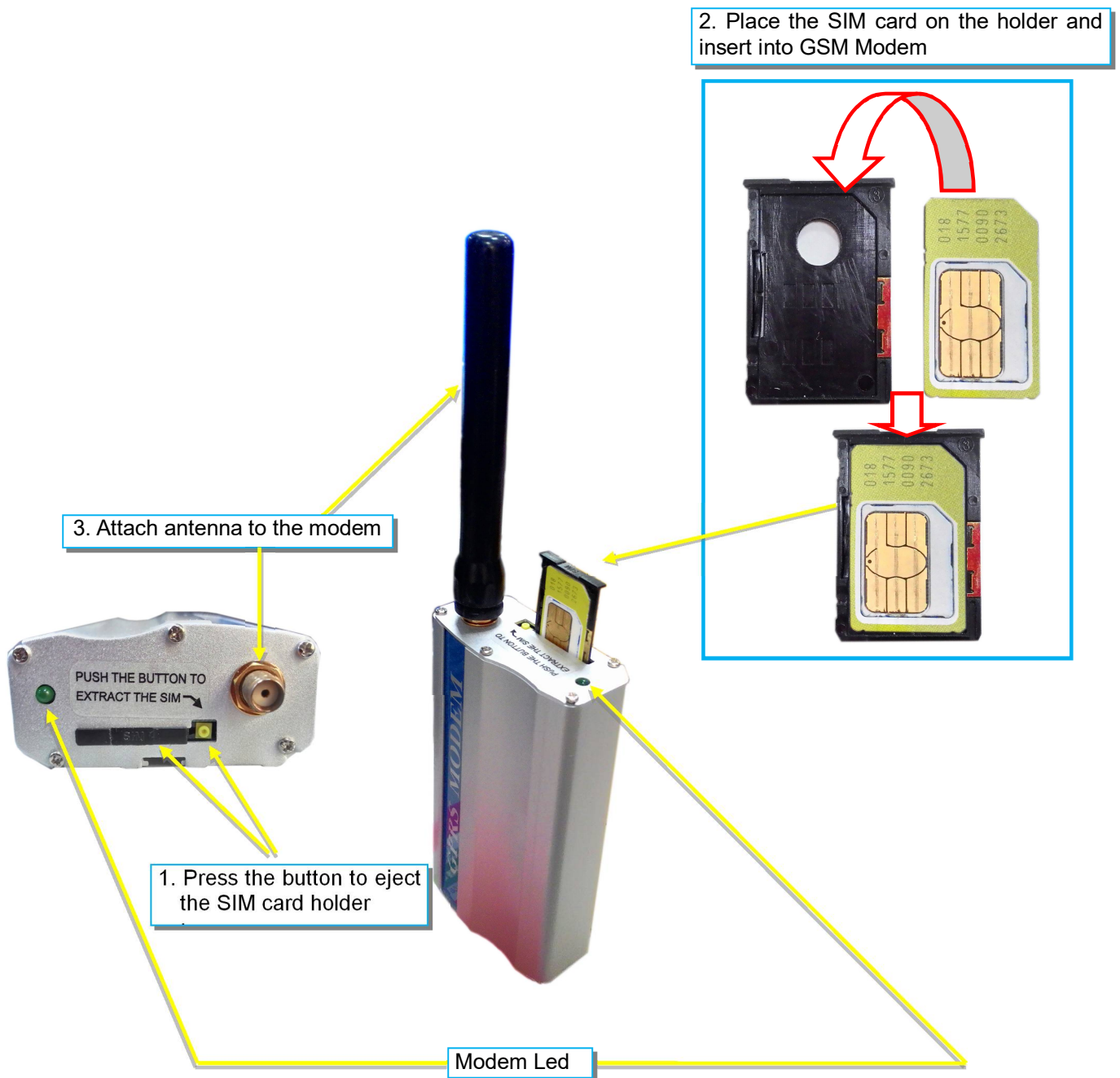
Destination IP	Accept	Port (0-65535)	Severity	Description
<input type="text"/>	No ▾	<input type="text"/>	Alarm ▾	<input type="text"/>
<input type="text"/>	No ▾	<input type="text"/>	Alarm ▾	<input type="text"/>
<input type="text"/>	No ▾	<input type="text"/>	Alarm ▾	<input type="text"/>
<input type="text"/>	No ▾	<input type="text"/>	Alarm ▾	<input type="text"/>

Apply Reset

## ■ Configuration > SMS Modem

When compatible GPRS modem connects with NetAgentA , it is able to send SMS notification when event occurs

### □ Modem Setup Procedure



#### Modem Led Status

- 1. If flash every 0.8 seconds :**
  - Modem initializing, please wait
  - If no respond
    - (1) Check if PIN is correctly entered, or if PIN is required
    - (2) Check if SIM card is inserted corrected
    - (3) Check if no or low signal
- 2. If flash every 3 seconds :**
  - Modem is ready for operation

- **SNMS Modem Setting**

Modem Communication Port :

Select “ ttyUSB0” for USB modem connects with NetAgentA directly ;

SMS Communication :

Select between GPRS or CDMA

SIM Card PIN :

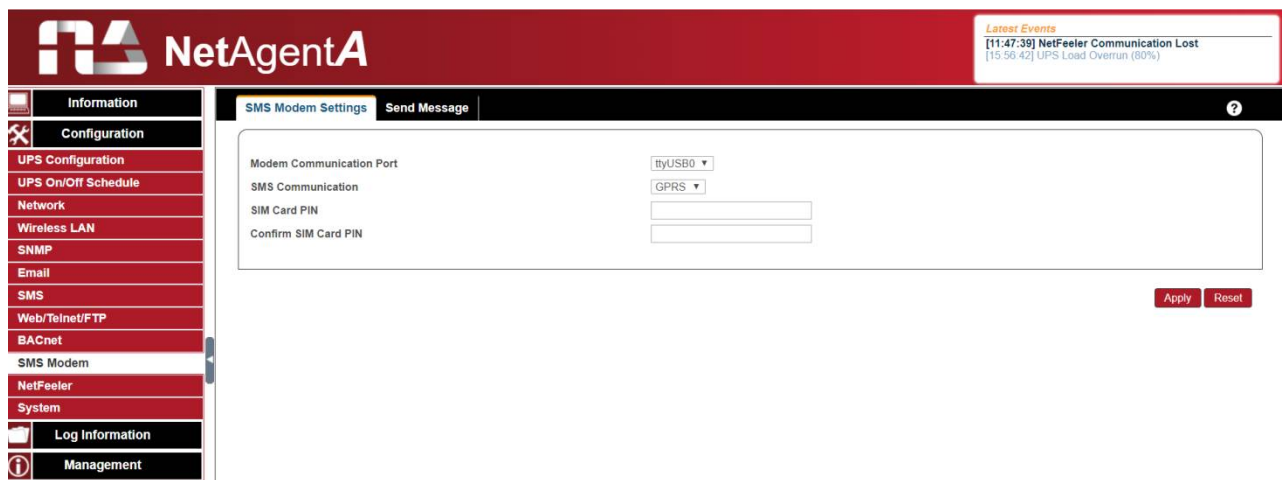
If PIN is required for the SIM card, please enter

Confirm SIM PIN :

Retype SIM card PIN

When all done, click on Apply. Modem Information and Status can be check from Information> SMS Modem Status

☀ Once click on Apply ,NetAgentA will reboot



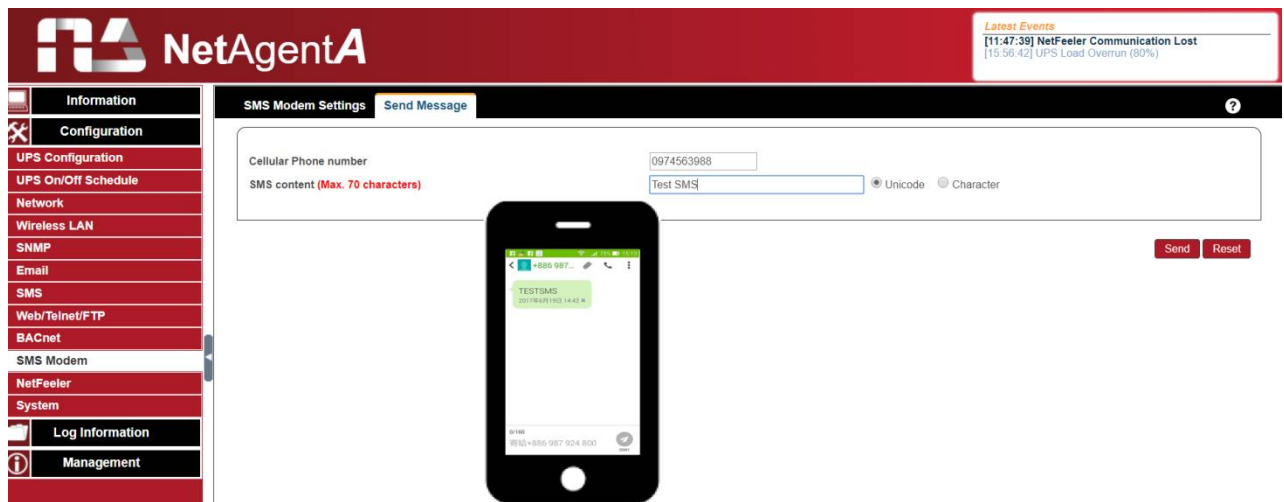
- **Send Message**

Cellular Phone number :

Enter mobile number

SMS Content(Max.70 Characters) :

Enter the SMS content text and select coding. Unicode or Character



## ■ Configuration > NetFeeler

NetFeeler is the external optional environmental sensor. It is to detects temperature, humidity and water. NetFeeler has RF receiver built-in to work with extension sensors such as smoke, security sensor.

### ● NetFeeler

#### NetFeeler

##### Humidity/Temperature Critical value :

To set the lowest and highest critical values for temperature and humidity. NetFeeler will send a warning message when it detects temperature or humidity values below and above these settings.

#### Security Label

NetFeeler may connect up to 7 security sensors that communicate via RF. This section is to set the location or name of each sensor.

NetFeeler		
Humidity (%)	Critical UnderRun: <input type="text" value="5"/>	Critical OverRun: <input type="text" value="90"/>
Temperature (°C)	<input type="text" value="5.0"/>	<input type="text" value="70.0"/>

Security Label	
Label 1	<input type="text" value="Security1 Status"/>
Label 2	<input type="text" value="Security2 Status"/>
Label 3	<input type="text" value="Security3 Status"/>
Label 4	<input type="text" value="Security4 Status"/>
Label 5	<input type="text" value="Security5 Status"/>
Label 6	<input type="text" value="Security6 Status"/>
Label 7	<input type="text" value="Security7 Status"/>

## ■ Configuration > System

This page is to set NetAgentA's system time, language and configuration.

### ● Date/Time

NetAgentA to synchronize with external or internal Time Server for correct date and time.

#### System Time

##### System Time(yyyy/mm/dd hh:mm:ss) :

To display the current system time/date of NetAgentA. Or click on Adjust Now to adjust to the correct time/date automatically

##### Time Between Automatic Updates :

To set an interval for time synchronization.

##### Time Server :

Time server can be select from the drop down list , or add other time server manually.

##### Time Zone(Relative to GMT) :

To select its GMT time zone

##### Using Daylight Saving Time :

Select whether to use the daylight saving time system to adjust the clock for 1 hour in advanced

## Restart

Auto Restart System for Every (0 is disabled):

NetAgentA to restart automatically at preset hour or minute

Manual Restart System After 30 seconds :

Once click on Apply, NetAgentA would restart after 30 seconds

The screenshot shows the NetAgentA web interface. The top header is red with the NetAgentA logo on the left and 'Latest Events' on the right, listing '[11:47:39] NetFeeler Communication Lost' and '[15:56:42] UPS Load Overrun (80%)'. A left sidebar contains navigation menus: Information, Configuration (with sub-items like UPS Configuration, Network, etc.), Log Information, and Management. The main content area has tabs for 'Date/Time', 'Language', and 'Save/Restore'. The 'Date/Time' tab is active, showing 'System Time' settings: System Time (2019/01/16 12:18:56), Time Between Automatic Updates (1 Hour), Time Server (swisstime.ethz.ch), Time Zone (GMT+8:00), and Using Daylight Saving Time (NO). Below this is the 'Restart' section with 'Auto Restart System for Every (0: Disable)' set to 0 minutes and 'Manual Restart System After 30 Seconds'.

- **Language**

This page is to set the language interface for NetAgentA.

### Interface Language

To set the language of NetAgentA web pages. When first start login to the webpage of NetAgentA, NetAgentA will auto detects the OS language of the PC and shows the same language on its web pages. Users may choose the language per preference

Note: Users will have to enable cookies before they use this function.

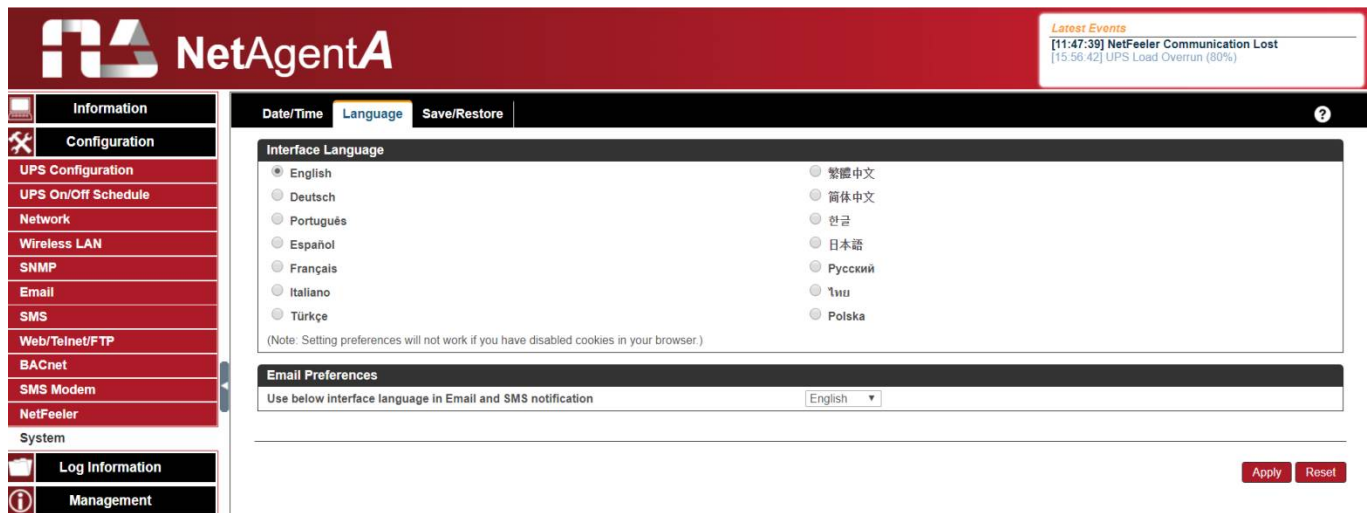
### Email Preference

Select language preference when receive emails and SMS.

### Languages supported by NetAgentA

- English
- Deutsch
- Português
- Español
- Français
- Italiano
- Türkçe
- 繁體中文
- 簡體中文
- 한글
- 日本語
- Русский
- ไทย
- Polska





- **Save/Restore**

- Save Current Configuration

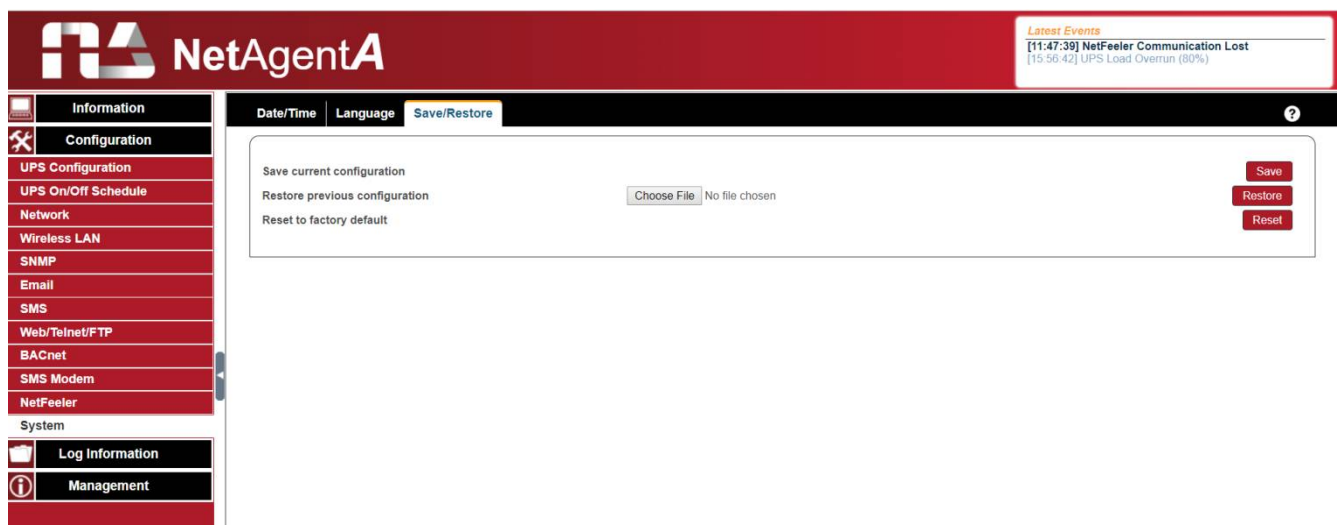
Click on Save to save the configuration to your PC. The text file will have a default format of YYYY\_MMDD\_####.cfg. Administrator permission required.

- Restore previous configuration

Use this function to restore a \*.cfg configuration that has been saved earlier. Click Browse... to the location of the file and click **Restore**.

- Reset to factory default

This function will reset all settings to its default value.



- **Log Information > Event Log**

- **Event Log**

- Event List

It shows record of all events, giving the Date/Time of the event with detailed description of each. Event can be check on specific date from the calendar

**Latest Events**  
[11:47:39] NetFeeler Communication Lost  
[15:56:42] UPS Load Overrun (80%)

**Event Log**

2018 11 All Events Refresh Today

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	1

**2018-11-23 Fri.**  
23

**Events List** **Events census**

[23:12:10]: Server address can not be resolved.  
[20:08:27]: Connection with time server failed.  
[17:11:41]: Connection with time server failed.  
[11:09:26]: Connection with time server failed.  
[09:31:35]: UPS communication has been lost.  
[09:15:33]: UPS communication has been established.  
[09:08:50]: Connection with time server failed.  
[08:08:26]: UPS communication has been lost.

Activate Windows  
Go to Settings to activate Windows.

### Event census

Here is to present the event statistically on the selected date

**Latest Events**  
[11:47:39] NetFeeler Communication Lost  
[15:56:42] UPS Load Overrun (80%)

**Event Log**

2018 11 All Events Refresh Today

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	1

**2018-11-28 Wed.**  
28

**Events List** **Events census**

UPS communication has been established.: 8.33%  
UPS self-test start: 8.33%  
internal self-test complete.: 8.33%  
Server address can not be resolved.: 16.67%  
UPS communication has been lost.: 16.67%  
Connection with time server failed.: 41.67%

- UPS communication has been lost. 2
- Connection with time server failed. 5
- Server address can not be resolved. 2
- UPS internal self-test complete. 1
- UPS self-test start 1

### ■ Log Information > SMS Log

#### • SMS Log

It shows SMS record of all mobile number, giving the Date/Time of the SMS sent and a detailed description of each. When reach to the limit, it rewrites on the previous logs.

SMS log can be save as csv file .

**Latest Events**  
[11:47:39] NetFeeler Communication Lost  
[15:56:42] UPS Load Overrun (80%)

**SMS Log**

Date/Time	Mobile Number	SMS Content

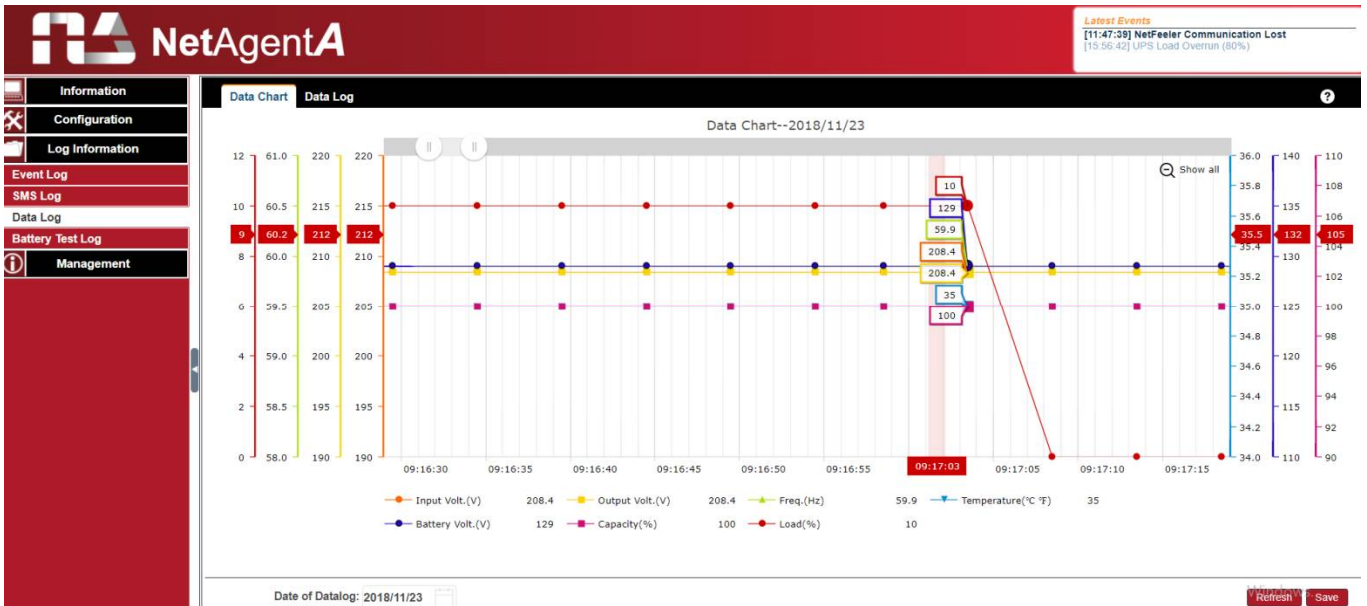
Date of SMS: NONE

Save Clear to activate Windows.

- Log Information > Data Log

- Data Chart

It records UPS Input Voltage/Output Voltage/ Frequency/ Loading/Capacity/ Temperature..etc in chart format. Logs can be saved in CSV format by clicking on “Save”. The bar on top can be adjusted to check the log status at specific time of the day.



- Data Log

It records UPS Input Voltage/Output Voltage/ Frequency/ Loading/Capacity/ Temperature..etc in detailed list. When NetFeeler is connected, status will be available too.

The screenshot shows the NetAgentA interface with the 'Data Log' tab selected. It displays a detailed table of UPS metrics for the date 2018/11/28. The table includes columns for No., Date/Time, Input Volt.(V), Output Volt.(V), Freq. (Hz), Load(%), Capacity(%), Battery Volt.(V), Cell Volt.(V), and Temp.(°C °F). The data shows a series of readings with a notable spike in Load(%) at 11:06:59.

No.	Date/Time	Input Volt.(V)	Output Volt.(V)	Freq. (Hz)	Load(%)	Capacity(%)	Battery Volt.(V)	Cell Volt.(V)	Temp.(°C °F)
1	2018-11-28 11:07:52	108.6	109.6	60.0	1	100	41.0	2.28	22.0/71.6
2	2018-11-28 11:07:47	108.3	109.5	60.0	2	100	41.0	2.28	22.0/71.6
3	2018-11-28 11:07:42	108.6	110.1	60.0	1	100	41.0	2.28	22.0/71.6
4	2018-11-28 11:07:38	108.3	109.5	60.0	1	100	41.0	2.28	22.0/71.6
5	2018-11-28 11:07:33	108.5	109.5	60.0	1	100	41.0	2.28	22.0/71.6
6	2018-11-28 11:07:28	108.5	109.5	60.0	1	100	41.0	2.28	22.0/71.6
7	2018-11-28 11:07:23	108.5	109.8	60.0	1	100	41.0	2.28	22.0/71.6
8	2018-11-28 11:07:18	108.6	109.6	60.0	0	100	41.0	2.28	22.0/71.6
9	2018-11-28 11:07:13	108.5	109.6	60.0	1	100	41.0	2.28	22.0/71.6
10	2018-11-28 11:07:09	108.3	109.9	60.0	1	100	41.0	2.28	22.0/71.6
11	2018-11-28 11:07:04	108.6	109.9	60.0	0	100	40.9	2.27	22.0/71.6
12	2018-11-28 11:06:59	108.4	109.7	60.0	1	100	41.0	2.28	22.0/71.6
13	2018-11-28 11:06:54	108.4	109.5	60.0	1	100	41.0	2.28	22.0/71.6
14	2018-11-28 11:06:49	108.6	109.7	60.0	1	100	41.0	2.28	22.0/71.6
15	2018-11-28 11:06:45	108.4	109.7	60.0	2	100	41.0	2.28	22.0/71.6
16	2018-11-28 11:06:40	108.4	109.7	60.0	2	100	41.0	2.28	22.0/71.6
17	2018-11-28 11:06:35	108.5	109.6	60.0	2	100	41.0	2.28	22.0/71.6
18	2018-11-28 11:06:30	108.2	109.7	60.0	0	100	41.0	2.28	22.0/71.6
19	2018-11-28 11:06:25	108.6	109.8	60.0	1	100	41.0	2.28	22.0/71.6
20	2018-11-28 11:06:20	108.5	109.7	60.0	0	100	41.0	2.28	22.0/71.6
21	2018-11-28 11:06:16	108.5	109.8	60.0	1	100	41.0	2.28	22.0/71.6

■ Log Information > Battery Test Log

● Battery Test Log

To record the UPS Self-Test and it shows in graphic. UPS Self-Test option is available under System Information > Remote Control.

**Latest Events**  
 [11:47:39] NetFeeler Communication Lost  
 [15:56:42] UPS Load Overrun (80%)

**Battery Test Log**

Log ID	Start Time	End Time	Duration	The number of logs
1543383800	2018/11/28 05:43:20	2018/11/28 05:53:07	00:09:47	123

Testing start:2018/11/28 05:43:20  
 Testing end:2018/11/28 05:53:07  
 Testing duration:00:09:47  
 Number of log:123

Estimate Save

According to these battery testing logs, we have the following estimation. If the loading stays on the current level(80%), when battery is fully charged, the UPS could supply power about 00:00:05. If the battery is in current condition, 73% charged, the UPS could supply about 00:00:03

■ Management > Netility Web

This to display all the NetAgentA within network with its serial number; Mac Address; Hardware/Firmware version and its IP address. Double click on the highlighted unit to open the webpage of such device.

If the NetAgentA is access by WAN IP , Netility Web would also be able to list out all the other available NetAgentA under same LAN as the NetAgentA that has WAN IP. (HTTP port 81 must be enabled on the NetAgentA with WAN IP and domain to be as http://xxx.xxx.xx:81 ( xxx.xx is the WAN IP or domain name)

**Latest Events**  
 [00:00:50] UPS communication has been lost.  
 [00:00:24] Server address can not be resolved.

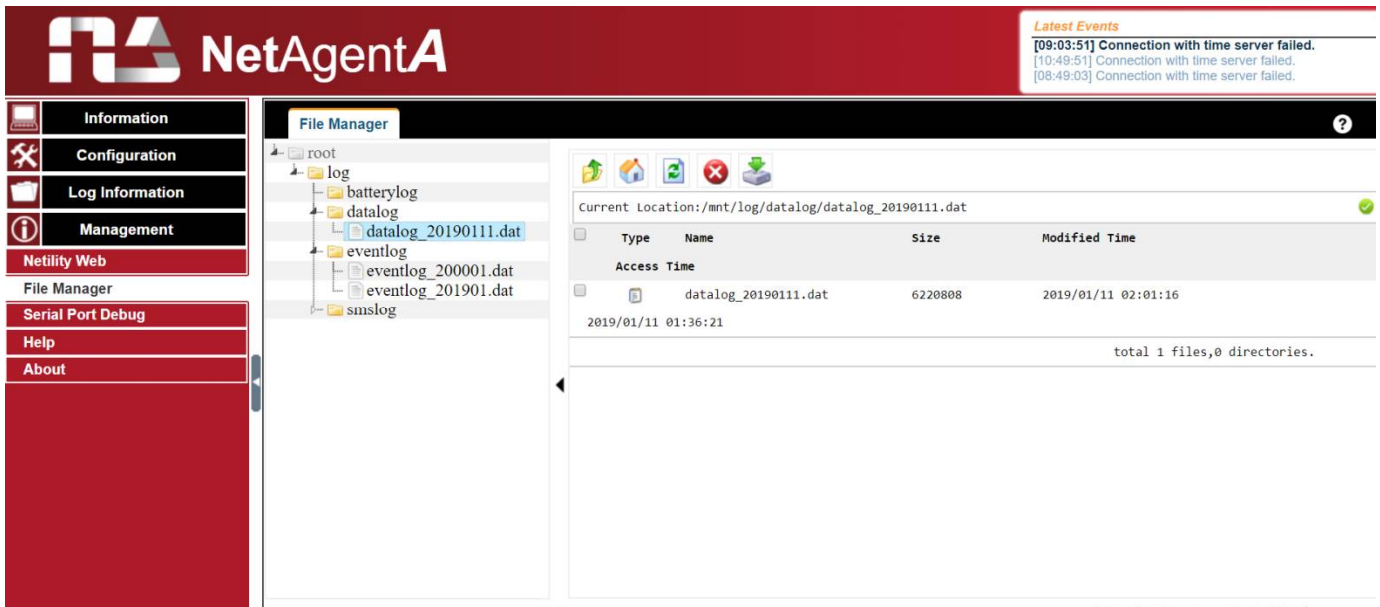
**NetAgent Web**

Device	MAC Address	Hardware	Firmware	IP Address
▶ 2432786082	D4:6A:91:01:5E:A2	WB-700-IPV-12	WB10.6c14	192.168.0.187
▶ 3925868545	00:03:EA:00:00:01	EZOL	EZS.8410	192.168.0.244
▶ 3925868546	00:03:EA:00:00:02	EZOL	EZS.8c20	192.168.0.237
▶ 3925868547	00:03:EA:00:00:03	EZOL	EZS.8410	192.168.0.121
▶ 3925868675	00:03:EA:00:00:83	EZOM	EZT.8824	192.168.0.212
▶ 3925868676	00:03:EA:00:00:84	EZOM	EZT.8b06	192.168.0.220
▶ 3925868682	00:03:EA:00:00:8A	EZPW	EPS.7b17	192.168.0.106
▶ 3925868716	00:03:EA:00:00:AC	EZPW	EPS.8b06	192.168.0.253
▶ 3925980505	00:03:EA:01:B5:59	HDT520	2.48.DT520.EAST	192.168.0.132
▶ 3925998885	00:03:EA:01:FD:25	HDP520	2.48.DP520.EAST	192.168.0.199
▶ 3926094354	00:03:EA:03:72:12	HBT506	2.48.BT506.EAST	192.168.0.117

Activate Windows  
 Go to Settings to activate Windows.

## ■ Management > File Manager

This is manage log file generates by NetAgentA. Specific log.dat can be download, delete. Once dat. file is deleted, the log record will also be erased on the Log display under Log Information



## ■ Management > Serial Port Debug

It shows the communication status between NetAgentA and UPS by Sent and Received columns.

### • Debug Information

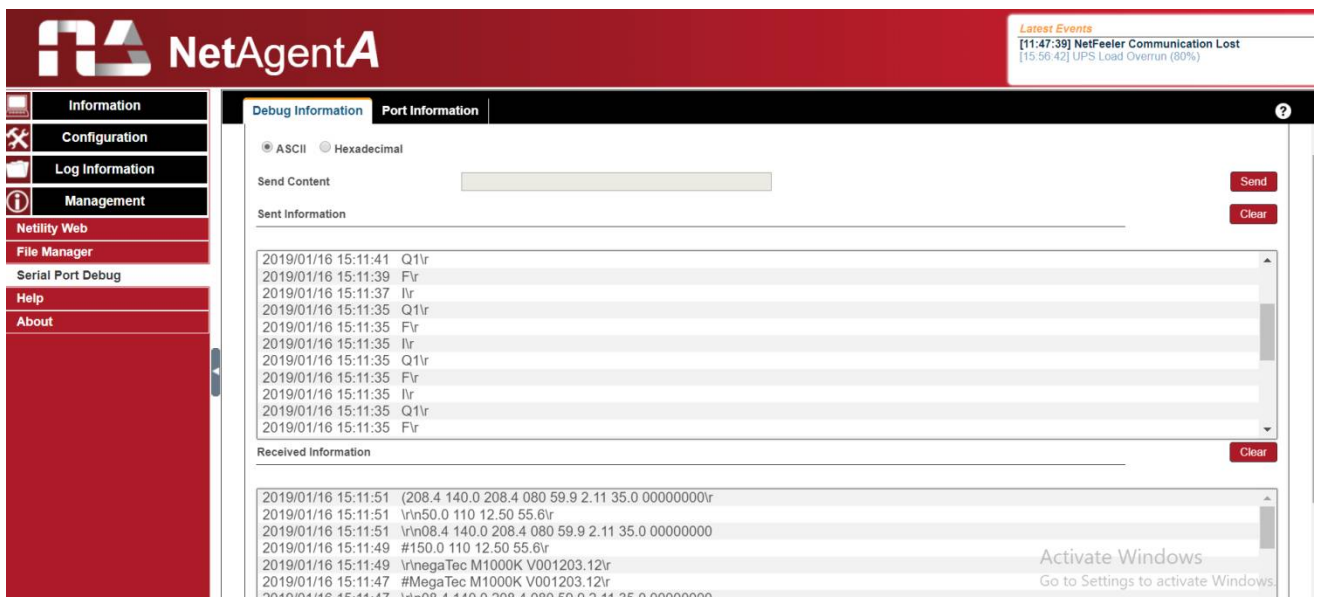
Command can send automatically by NetAgentA, or manually enter the command to UPS.

#### Sent Information

This column shows the real time sent command

#### Received Information

This display the response that NetAgentA receives from UPS



- **Port Information**

This is to configure the communication parameter between NetAgentA and UPS. Parameters are Debug Mode; Port; Speed (Baud), Data Bits;Parity and Stop Bits. Two encoding formats: ASCII or Hexadecimal.

The screenshot shows the NetAgentA web interface. The top header includes the NetAgentA logo and a 'Latest Events' section with a message: '[11:47:39] NetFeeler Communication Lost [15:56:42] UPS Load Overrun (80%)'. The left sidebar contains navigation options: Information, Configuration, Log Information, Management, Netility Web, File Manager, Serial Port Debug, Help, and About. The main content area is titled 'Port Information' and contains the following configuration fields:

Debug Mode	Auto
Port	UPS
Speed(baud)	2400
Data Bits	8
Parity	None
Stop Bits	1 Bit

An 'Apply' button is located at the bottom right of the configuration area.

- **Management > Help**

This is to help to illustrate each feature/option that NetAgentA offers

The screenshot shows the 'Help' page in the NetAgentA web interface. The left sidebar lists: Information, System Status, Basic Information, Current Status, Remote Control, Meter/Chart, SMS Modem Status, Modem Basic Info., NetSwitch Status, NetFeeler II, Configuration, Log Information, and Help. The main content area is titled 'System Information' and contains the following sections:

- System Information:** This section is to show NetAgent system information. Values in Hardware Version/Firmware Version/Serial Number/System Time, are provided by NetAgent itself. Other values are user settings from the Configuration pages.
- Network Status:** This section is to show NetAgent Network settings. The MAC address is provided by NetAgent. All other values in this section are user settings from the Configuration pages.
- Wireless Status (Only with BX Models):** This section is to show the information that wireless network obtained.

A summary note at the bottom states: 'This page is to show NetAgent system information and Network settings. Values shown here are either provided by NetAgent itself or they are user settings from the Configuration pages.'

- **Management > About**

- **About**

It shows NetAgentA's hardware/firmware and serial number.

The screenshot shows the 'About' page in the NetAgentA web interface. The top header includes the NetAgentA logo and a 'Latest Events' section with a message: '[11:47:39] NetFeeler Communication Lost [15:56:42] UPS Load Overrun (80%)'. The left sidebar contains navigation options: Information, Configuration, Log Information, Management, Netility Web, File Manager, Serial Port Debug, Help, and About. The main content area is titled 'About' and contains the following information:

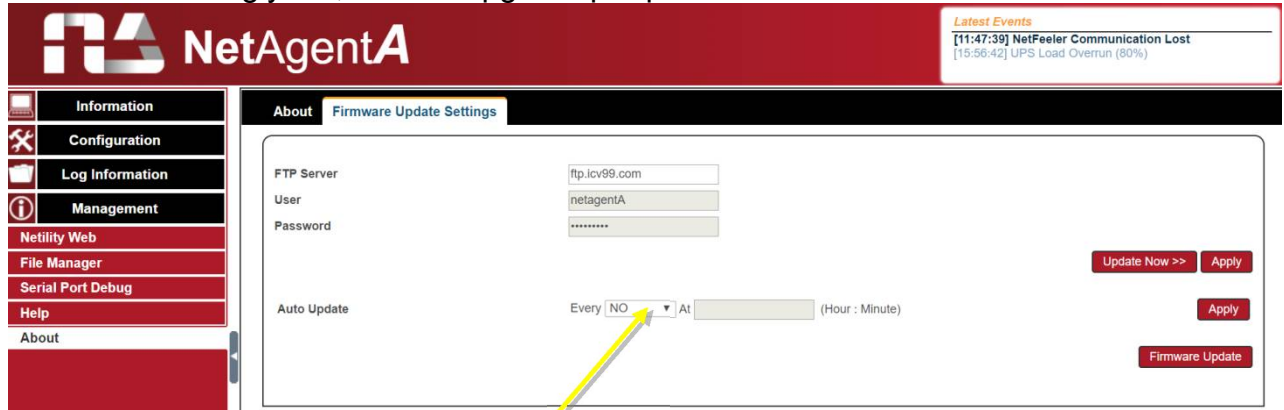
Firmware Version	3.6.CA506
Hardware Version	HCA506
Serial Number	3927206593

At the bottom right, there is contact information for Mega System Technologies, Inc. and a logo with the text 'R6 READY'.

Mega System Technologies, Inc.  
 Tel:+886-2-87922060 Fax:+886-2-87922066  
 E-mail:netagent@megatec.com.tw  
 http://www.megatec.com.tw

- **Firmware Update Settings**

Default FTP server is set as [ftp.icv99.com](http://ftp.icv99.com) with its username/password. Click on Update Now, NetAgentA will connect to the FTP server and upgrade to the latest firmware version accordingly. Or, it could upgrade per preset time.

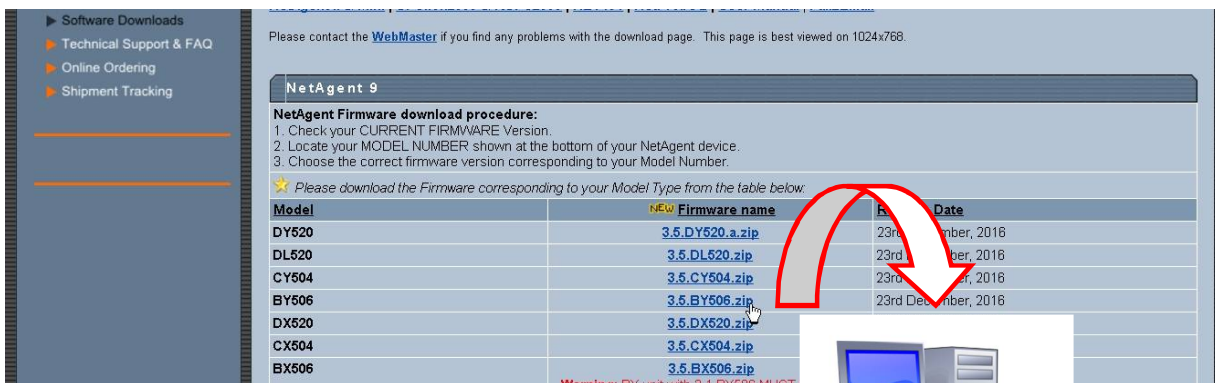


To enable NetAgentA's FTP firmware upgrade, please download the appropriate firmware version from the website and upgrade through FTP Client Software.

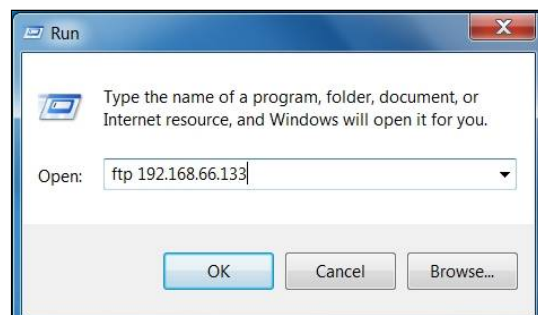
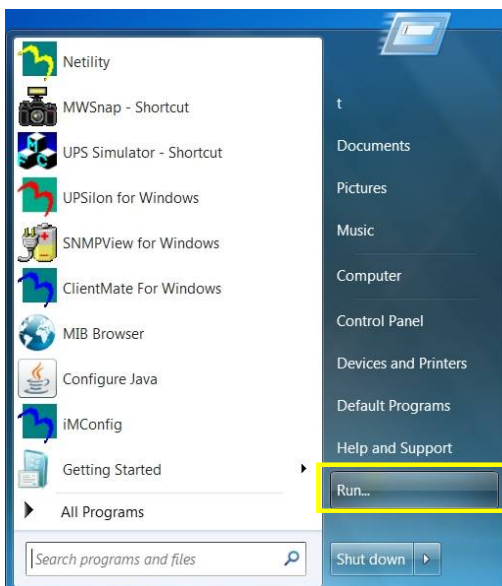
Mega System Technologies, Inc.  
Tel:+886-2-87922060 Fax:+886-2-87922066  
E-mail:netagent@megatec.com.tw  
<http://www.megatec.com.tw>

Update Firmware from FTP Client

- Select on Enable
- Download the appropriate firmware version from website (<http://www.megatec.com.tw>)
- Unzip the file and know the directory path



Execute ftp + NetAgentA's IP address



## -FTP login

```
Connected to 192.168.66.133.  
220 Service ready for new user  
User (192.168.66.133:(none)): admin  
331 need password  
Password:  
230 OK  
ftp> ls  
200 Port command successful.  
150 Opening ASCII mode data connection for file list  
3.4.BY506.bin  
226 Transfer complete.  
ftp: 15 bytes received in 0.00Seconds 15000.00Kbytes/sec.  
ftp> put d:\fw\3.5.BY506.bin  
200 Port command successful.  
150 Opening data connection for 3.5.BY506.bin  
226 file received ok.  
ftp: 7733248 bytes sent in 8.52Seconds 907.87Kbytes/sec.  
ftp> quit
```

1. Enter username/password that configured on Netility

2. Enter command ls to show available firmware bin file

3. Enter put command with bin file directory

4. Once complete, enter command quit