

# **NetAgentA**

UPS SNMP Agent

User's Manual

## **User Guide for NetAgentA Mini**

Version 1.0

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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
DA520	1. NetAgentAA Mini SNMP Card 2. NetAgentA Utility CD 3. Quick Installation Guide (Optional)	V		V				V	V
DA806	1. NetAgentAA Mini SNMP Card 2. NetAgentA Utility CD 3. Quick Installation Guide (Optional) 4. M2509 Cable (USB)	V		V			V	V	V
DA807	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

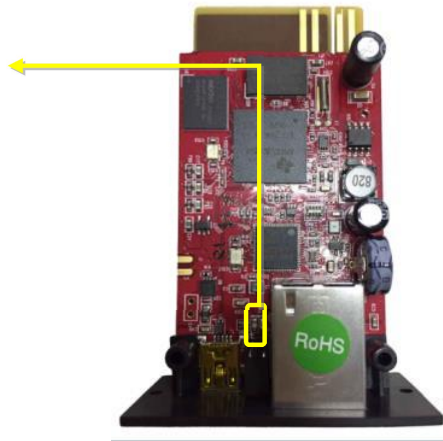
The close-up image shows the RJ45 Ethernet port with two LEDs: a Green LED and a Yellow LED. Arrows point from these LEDs to their respective status tables below.



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



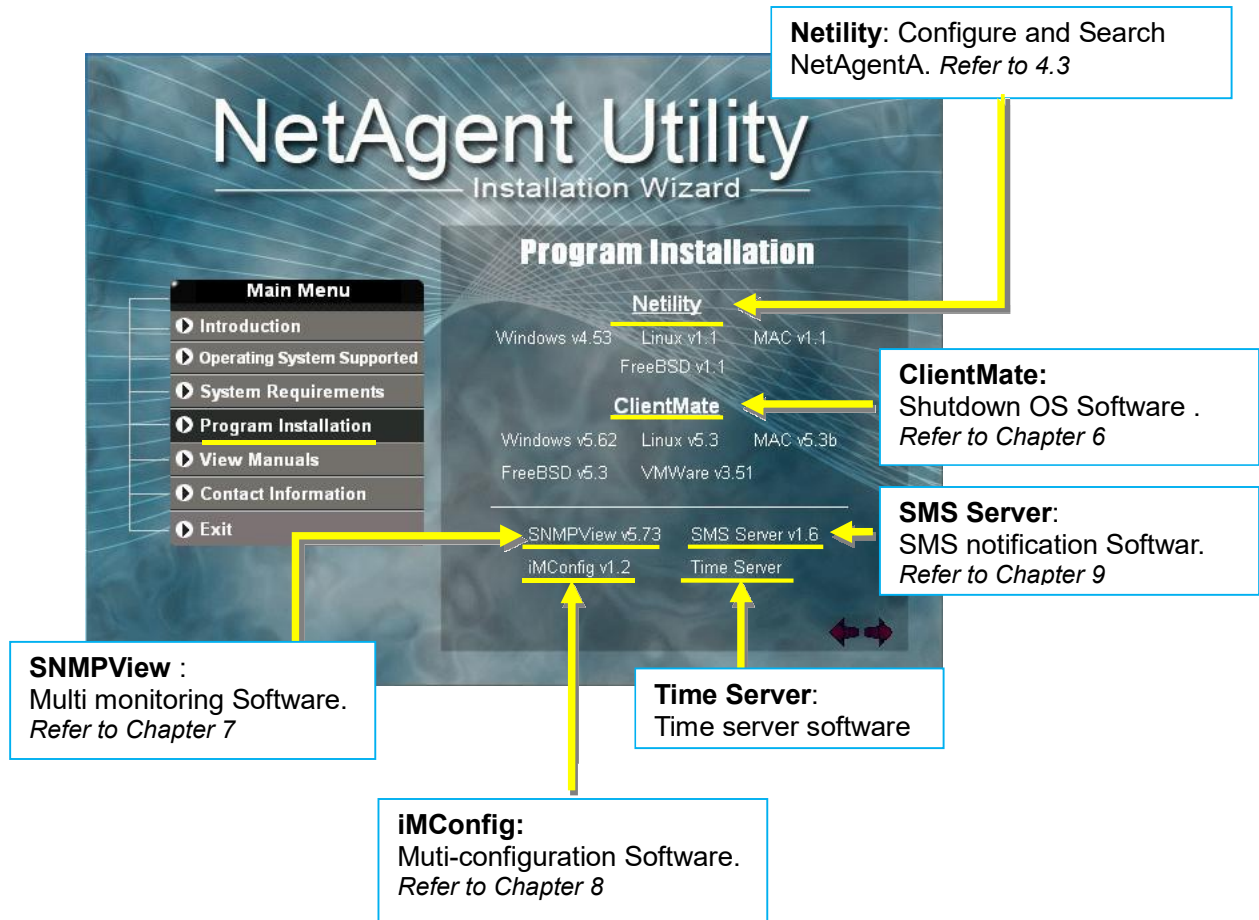
Status	Power On	Lost Communication	Writing Firmware
<b>Yellow</b> 	On	On	Off
<b>NetAgentA Mini 9 Status</b>			
<b>Red</b> 	Off	Flashing	Flashing
<b>UPS Communication</b>			
<b>Green</b> 	On	On	On
<b>Power</b>			



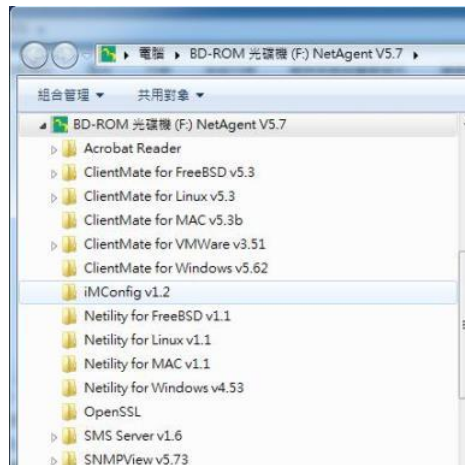
## Chapter 3 Software Installation

### 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】**



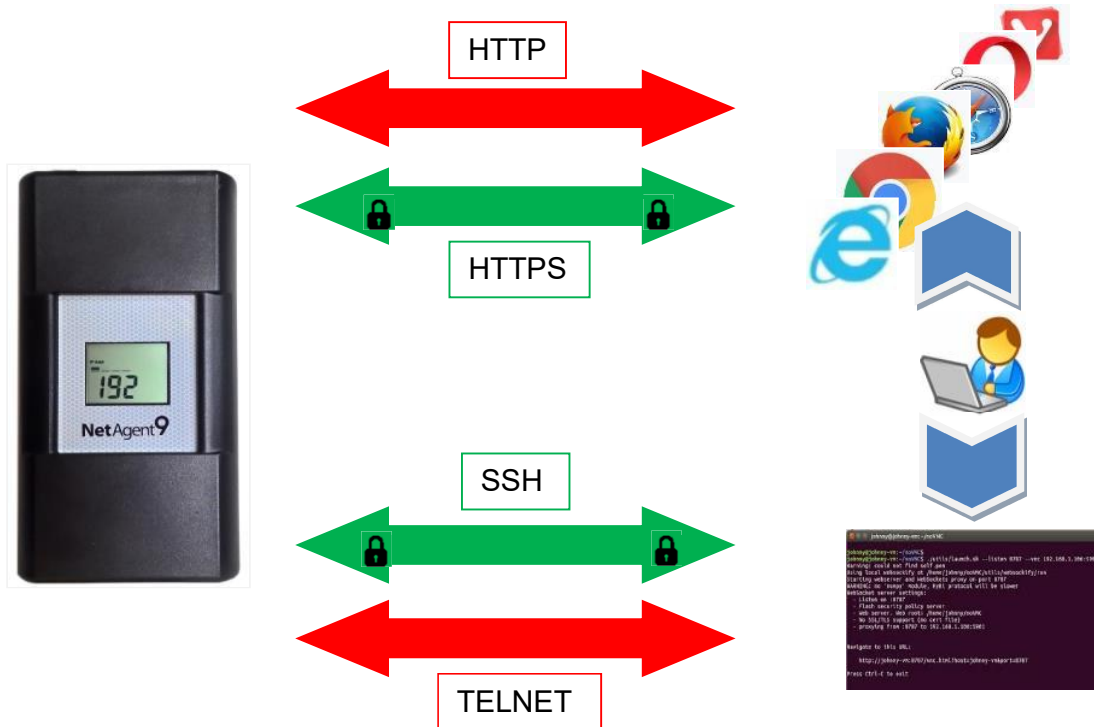
If the PC does not executes CD program automatically, please select from File Management



## 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

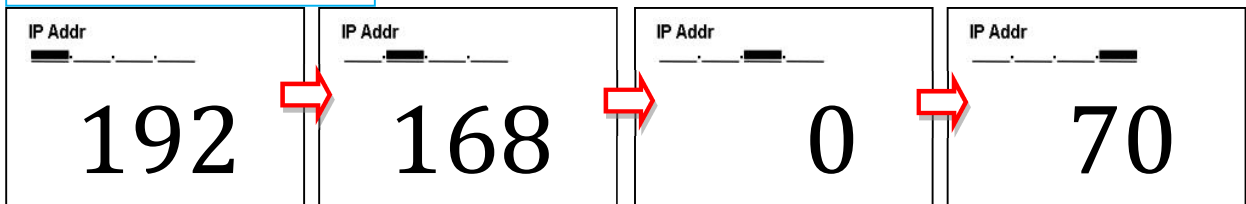
**NOTE 1 :** Each NetAgentA has its unique serial number / MAC address and Password. This is available on the label of each unit. This helps to identify the card information on Netility



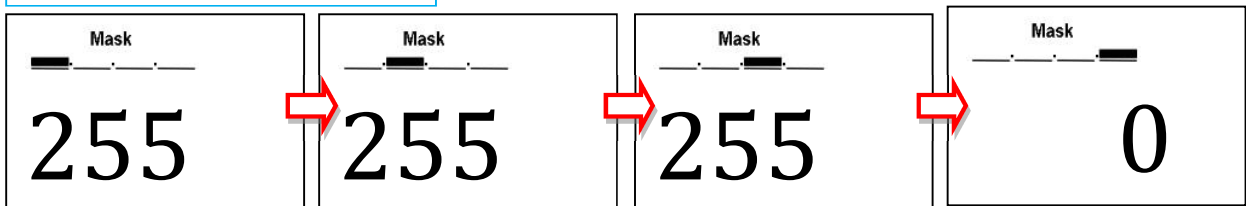
**NOTE 2 :** NetAgentA with LCD display may obtain the IP info from it.

Example of LCD display format as below

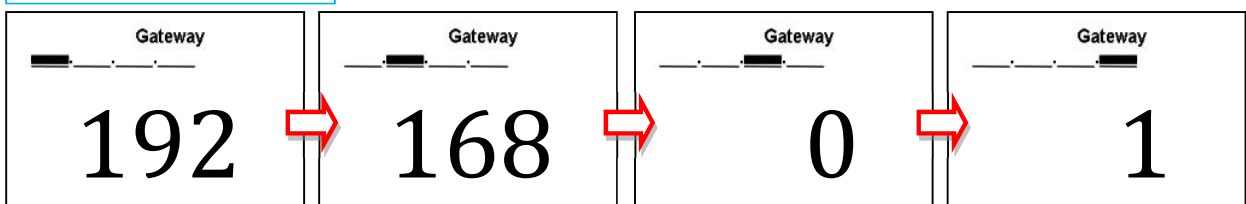
IP address 192.168.0.70



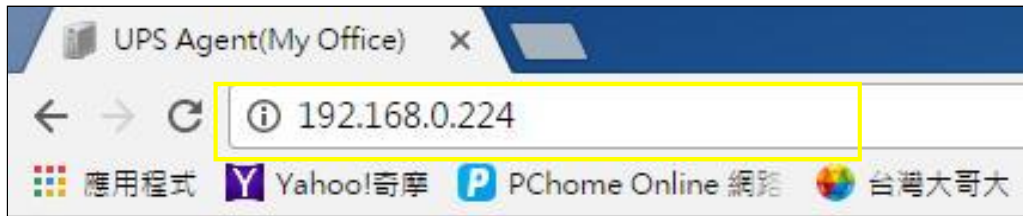
Subnet Mask: 255.255.255.0



Gateway: 192.168.0.1



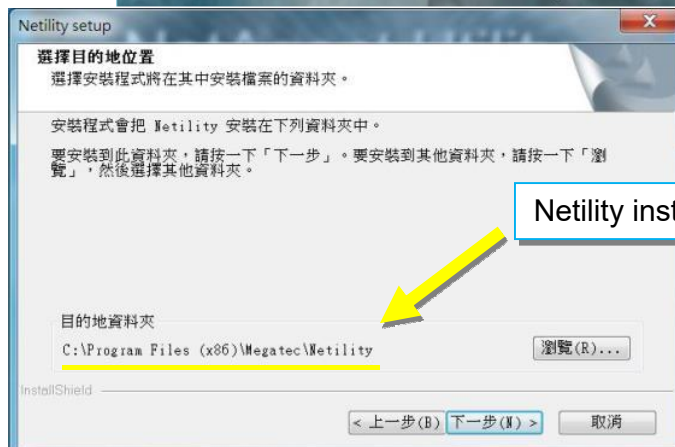
When NetAgentA IP is known, enter such IP address on the browser to login. If non-LCD NetAgentA model, install Netility software to find and configure its IP address.



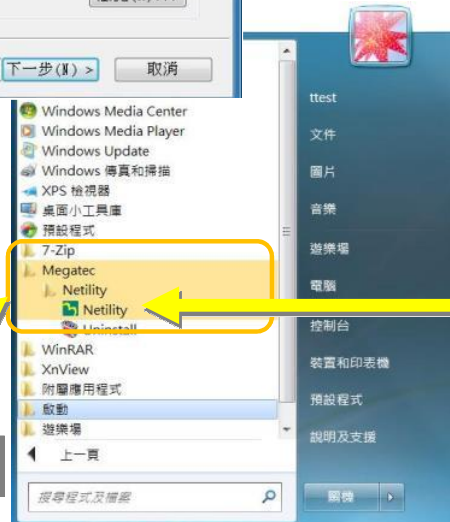
## 4.3 Netility Installation and Setting

### ■ 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



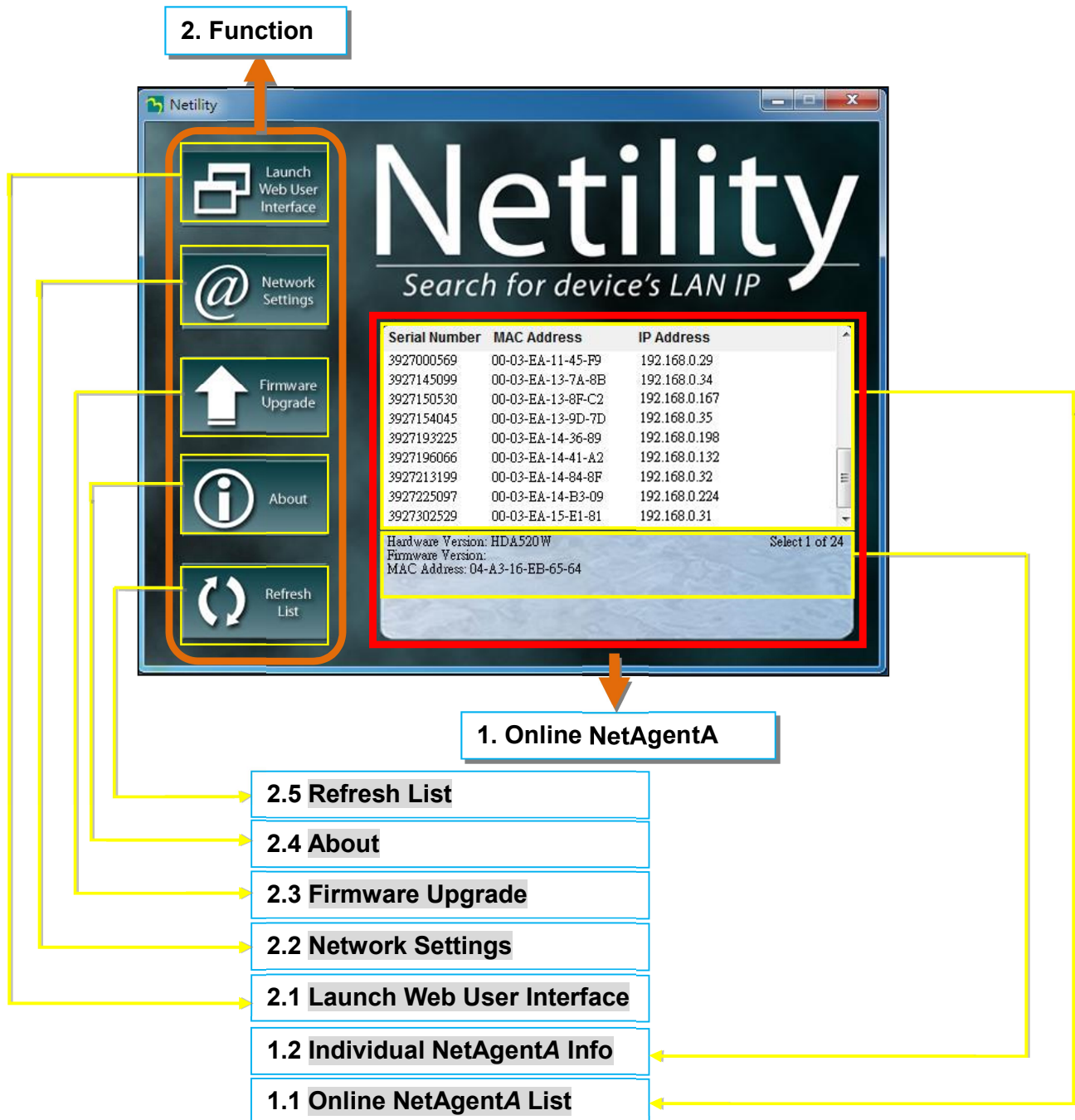
Netility Software

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 NetAegntA 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 highlighted with a yellow border.

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. A callout box indicates: "Double click to login to the webpage".

Hardware Version: HDA520W  
Select 1 of 24

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

## 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 displays 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 features 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 box highlights the details for the selected device (Serial Number: 3927225097, MAC Address: 00-03-EA-14-B3-09). A yellow arrow points to the 'About' button, and another points to the selected row in the table. A third arrow points to the 'Select 1 of 23' text at the bottom right of the table.

Serial Number	MAC Address	IP Addr
3927000569	00-03-EA-11-45-P9	192.168.0.34
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: HBV506  
Firmware Version: 3.5.BV506  
MAC Address: 00-03-EA-14-B3-09

Select 1 of 23

Hardware Version

Firmware Version

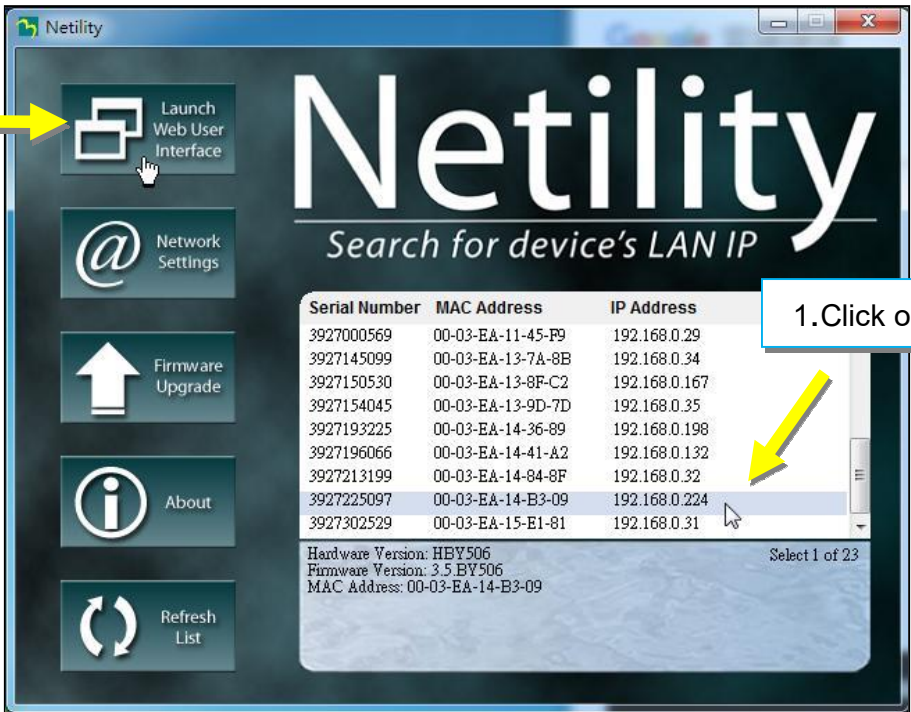
Click on NetAgentA

Total Number of NetAgentA found and selected



## 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



2. Click on Launch Web User Interface

1. Click on NetAgentA

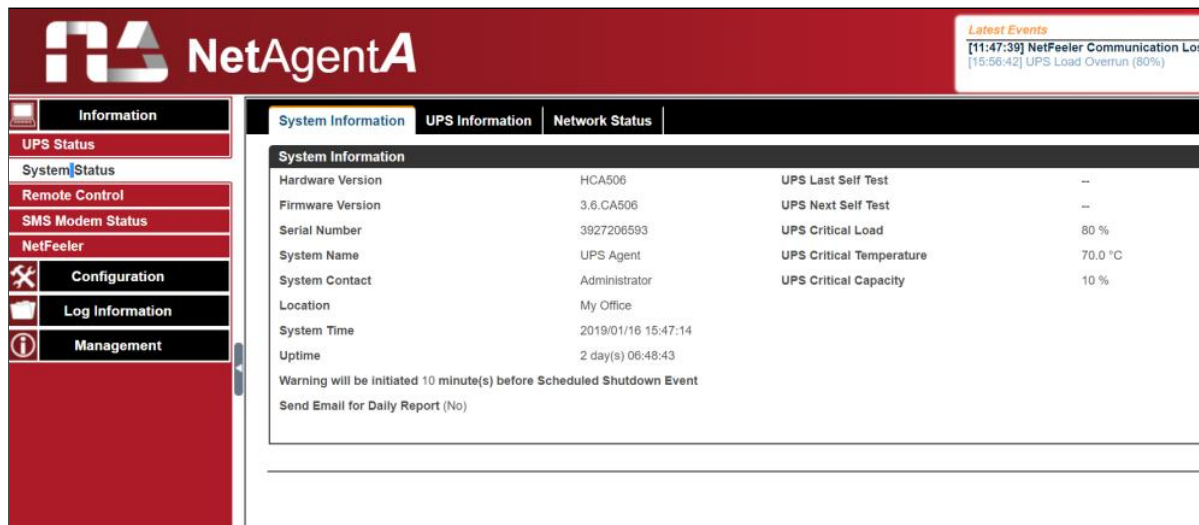
The screenshot shows the Netility web interface. On the left, there are navigation buttons: Launch Web User Interface, Network Settings, Firmware Upgrade, About, and Refresh List. The main area displays a table of devices with columns for Serial Number, MAC Address, and IP Address. A yellow arrow points to the 'Launch Web User Interface' button, and another yellow arrow points to a device in the table.

Serial Number	MAC Address	IP Address
3927000569	00-03-EA-11-45-P9	192.168.0.29
3927145099	00-03-EA-13-7A-8E	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



Login to the webpage of such NetAgentA



The screenshot shows the NetAgentA web interface. The top navigation bar includes Information, UPS Status, System Status, Remote Control, SMS Modem Status, NetFeeler, Configuration, Log Information, and Management. The main content area displays System Information, UPS Information, and Network Status. The System Information tab is active, showing details such as Hardware Version (HCA506), Firmware Version (3.6.CA506), Serial Number (3927206593), System Name (UPS Agent), System Contact (Administrator), Location (My Office), System Time (2019/01/16 15:47:14), and Uptime (2 day(s) 06:48:43). A warning message indicates that a shutdown event will be initiated 10 minutes before the scheduled event.

System Information	UPS Information	Network Status	
Hardware Version	HCA506	UPS Last Self Test	--
Firmware Version	3.6.CA506	UPS Next Self Test	--
Serial Number	3927206593	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	2019/01/16 15:47:14		
Uptime	2 day(s) 06:48:43		

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

## 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 arrows indicating the steps for configuring network settings. The interface includes a sidebar with options: Launch Web User Interface, Network Settings, Firmware Upgrade, and About. A table lists device information with columns for Serial Number, MAC Address, and IP Address. A 'Configure' dialog box is open, showing 'Address Configuration' with options for DHCP, BOOTP, and Static IP. The Static IP section is highlighted with an orange box, showing fields for IP Address, Subnet Mask, and Gateway.

1. Click on specific NetAgentA

2. Click on Network Settings

Select to assign IP by DHCP

Columns requires to be entered for Static IP address

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-14-B3-09

Configure

IP Address | Advanced | Password

Address Configuration

Obtain IP address by DHCP

Obtain IP address by BOOTP

Use following Static IP address

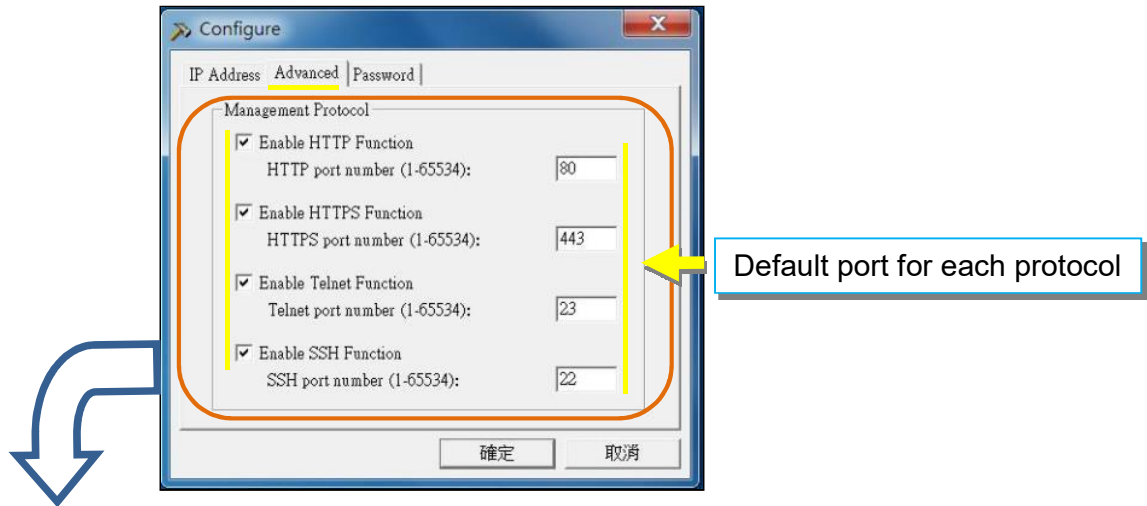
IP Address

IP Address: 192 . 168 . 1 . 110

Subnet Mask: 255 . 255 . 255 . 0

Gateway: 192 . 168 . 1 . 1

確定 取消



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

☀ **WARING** : 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.

Upgrade Single

Selection of Multi-NetAgentA

Upgrade consecutive

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

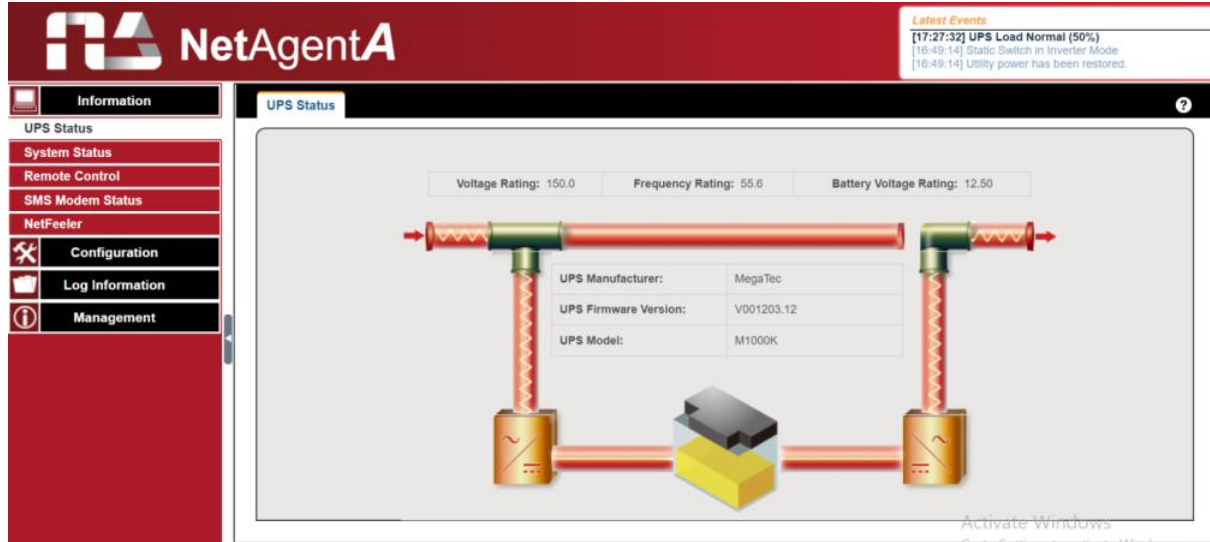
The list on Netility would refresh every 2 minutes automatically, however, manual refresh is also possible by clicking Refresh List



## 4.4 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.



The screenshot shows the NetAgentA web interface. The top navigation bar includes the NetAgentA logo and a 'Latest Events' section with the following entries:

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

The main content area is titled 'UPS Status' and features a graphical representation of a UPS system. Above the diagram, the following ratings are displayed:

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

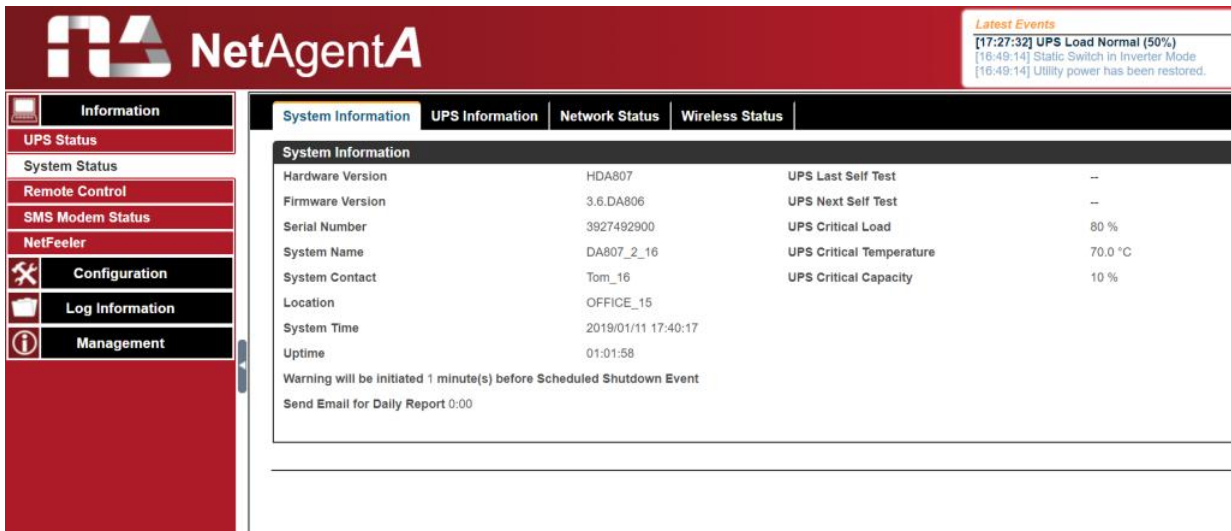
The diagram shows a central UPS unit connected to two power outlets. A table provides the following details:

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

At the bottom right of the interface, there is a watermark that reads 'Activate Windows'.

- Information > System Status
- System Information

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



The screenshot shows the NetAgentA web interface with the 'System Information' tab selected. The top navigation bar includes the NetAgentA logo and a 'Latest Events' section with the following entries:

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

The main content area is titled 'System Information' and displays the following data:

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		

Additional information displayed includes:

- Warning will be initiated 1 minute(s) before Scheduled Shutdown Event
- Send Email for Daily Report 0:00

■ 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

The screenshot shows the NetAgentA web interface. The top navigation bar includes 'System Information', 'UPS Information' (selected), 'Network Status', and 'Wireless Status'. The left sidebar contains menu items: Information, UPS Status, System Status, Remote Control, SMS Modem Status, NetFeeler, Configuration, Log Information, and Management. The main content area displays three sections:

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

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

● **Network Status**

This page shows the network information of NetAgentA.

The screenshot shows the NetAgentA web interface with 'Network Status' selected in the top navigation bar. The left sidebar is the same as in the previous screenshot. The main content area displays network configuration details:

Ethernet		General	
MAC Address	00:03:EA:18:C9:24	Email Server	smtp.gmail.com
Connection Type	1000Mbps Full-Duplex	Time Server	swisstime.ethz.ch
		PPPoE IP	
		PPPoE IPv6	

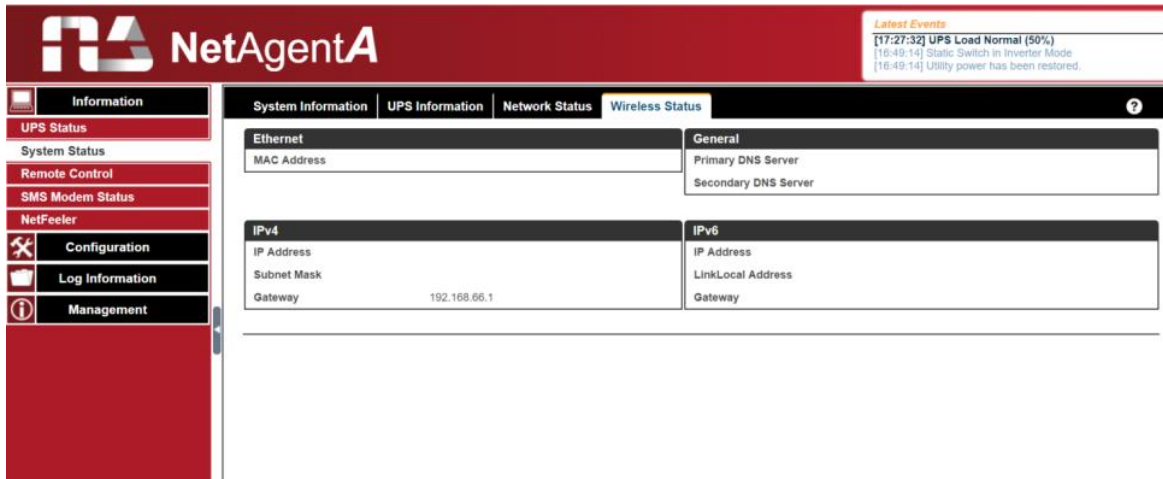
IPv4		IPv6	
IP Address	192.168.66.117	IP Address	
Subnet Mask	255.255.255.0	LinkLocal Address	fe80::203:eaff:fe18:c924/64
Gateway	192.168.66.1	6to4 Address	
Primary DNS Server	192.168.66.1	Gateway	
Secondary DNS Server		Primary DNS Server	
		Secondary DNS Server	

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

### • Wireless Status

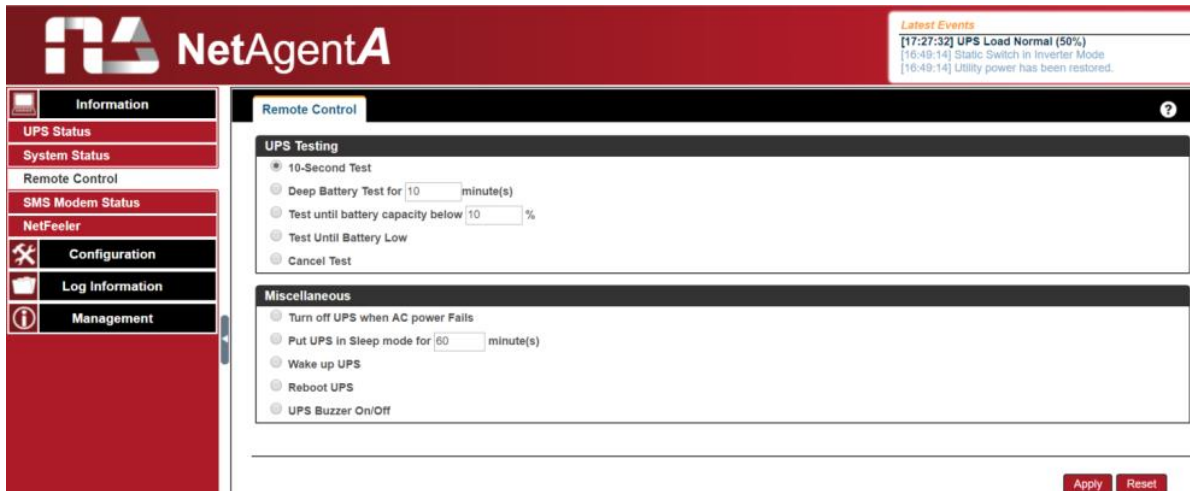
This page is to show Wireless connection status and information when NetAgentA communicates via the compatible WiFi dongle



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 is titled 'Wireless Status' and contains several sections: 'Ethernet' (MAC Address), 'General' (Primary DNS Server, Secondary DNS Server), 'IPv4' (IP Address, Subnet Mask, Gateway: 192.168.66.1), and 'IPv6' (IP Address, LinkLocal Address, Gateway). A 'Latest Events' box in the top right corner shows: [17:27:32] UPS Load Normal (50%), [16:49:14] Static Switch in Inverter Mode, and [16:49:14] Utility power has been restored.

## ■ 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.

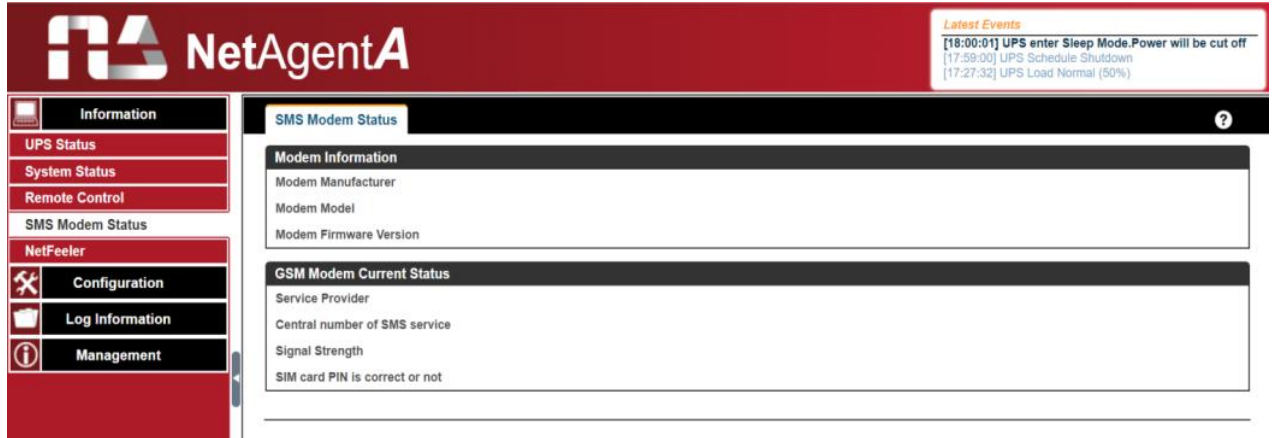


The screenshot shows the NetAgentA web interface with the 'Remote Control' section selected. The left sidebar is the same as in the previous screenshot. The main content area is titled 'Remote Control' and contains two sections: 'UPS Testing' and 'Miscellaneous'. The 'UPS Testing' section has radio buttons for: 10-Second Test (selected), Deep Battery Test for 10 minute(s), Test until battery capacity below 10 %, Test Until Battery Low, and Cancel Test. The 'Miscellaneous' section has radio buttons for: 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 right, there are 'Apply' and 'Reset' buttons. The 'Latest Events' box in the top right corner is the same as in the previous screenshot.



## ■ Information > SMS Modem Status

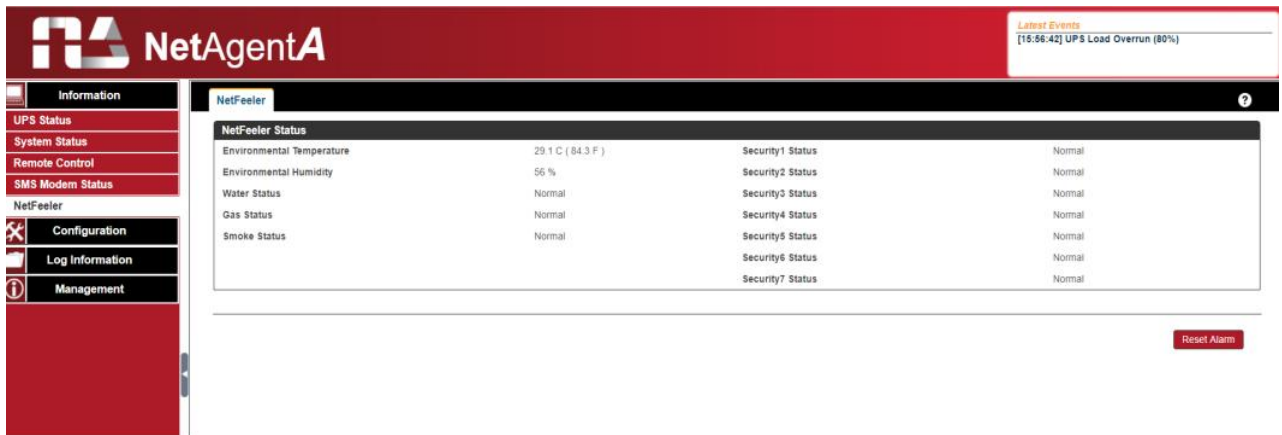
This page shows the Modem status when GPRS modem is connecting with NetAgentA



The screenshot shows the NetAgentA interface with the 'SMS Modem Status' page selected. The left sidebar contains navigation options: Information, UPS Status, System Status, Remote Control, SMS Modem Status, NetFeeler, Configuration, Log Information, and Management. The main content area is titled 'SMS Modem Status' and contains two sections: 'Modem Information' and 'GSM Modem Current Status'. The 'Modem Information' section lists Modem Manufacturer, Modem Model, and Modem Firmware Version. The 'GSM Modem Current Status' section lists Service Provider, Central number of SMS service, Signal Strength, and SIM card PIN is correct or not. A 'Latest Events' box in the top right corner shows three events: [18:00:01] UPS enter Sleep Mode.Power will be cut off, [17:59:00] UPS Schedule Shutdown, and [17:27:32] UPS Load Normal (50%).

## ■ Information > NetFeeler

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



The screenshot shows the NetAgentA interface with the 'NetFeeler' page selected. The left sidebar contains navigation options: Information, UPS Status, System Status, Remote Control, SMS Modem Status, NetFeeler, Configuration, Log Information, and Management. The main content area is titled 'NetFeeler' and contains a 'NetFeeler Status' table. The table has four columns: Parameter, Value, Security1 Status, and Security2 Status. The 'Security1 Status' and 'Security2 Status' columns are repeated for Security3 through Security7. A 'Reset Alarm' button is located in the bottom right corner. A 'Latest Events' box in the top right corner shows one event: [18:06:42] UPS Load Overrun (80%).

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

- **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

- **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

The screenshot shows the NetAgentA web interface. The top navigation bar includes 'Information', 'Configuration', 'Log Information', and 'Management'. The 'Configuration' section is expanded to show 'UPS Configuration', which includes 'UPS On/Off Schedule', 'Network', 'Wireless LAN', 'SNMP', 'Email', 'SMS', 'Web/Telnet/FTP', 'BACnet', 'SMS Modem', 'NetFeeler', and 'System'. The 'Warning Threshold Value' tab is selected, displaying the following configuration:

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

Buttons for 'Apply' and 'Reset' are visible at the bottom right of the configuration area.

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

- **UPS Action**

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

The screenshot shows the NetAgentA web interface with the 'UPS Action' configuration page. The top navigation bar includes 'Information', 'Configuration', 'Log Information', and 'Management'. The 'Configuration' section is expanded to show 'UPS Configuration', which includes 'UPS On/Off Schedule', 'Network', 'Wireless LAN', 'SNMP', 'Email', 'SMS', 'Web/Telnet/FTP', 'BACnet', 'SMS Modem', 'NetFeeler', and 'System'. The 'UPS On/Off Schedule' sub-section is selected, displaying the following configuration:

During 00:00 - 23:59, if UPS Load Overrun occur, then turn off UPS after 1 minutes.

An 'Add' button is visible at the top right of the configuration area.

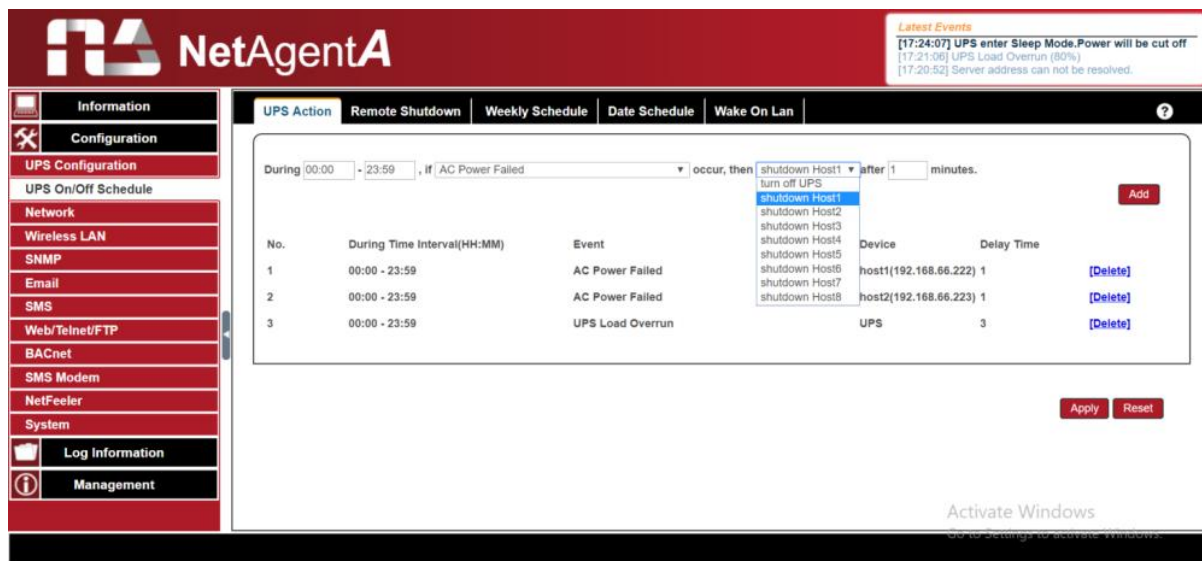
No.	During Time Interval(HH:MM)	Event	Device	Delay Time	
1	00:00 - 23:59	UPS Load Overrun	UPS	3	<a href="#">[Delete]</a>
2	00:00 - 23:59	AC Power Failed	UPS	3	<a href="#">[Delete]</a>
3	00:00 - 23:59	UPS Battery Low	UPS	3	<a href="#">[Delete]</a>
4	00:00 - 23:59	UPS Temperature Overrun	UPS	3	<a href="#">[Delete]</a>
6	00:00 - 23:59	Environmental Temperature Underrun	UPS	3	<a href="#">[Delete]</a>
9	00:00 - 23:59	Environmental Water	UPS	3	<a href="#">[Delete]</a>
10	00:00 - 23:59	Environmental Smoke	UPS	3	<a href="#">[Delete]</a>
12	00:00 - 23:59	Environmental Security 1	UPS	3	<a href="#">[Delete]</a>
13	00:00 - 23:59	Environmental Security 2	UPS	3	<a href="#">[Delete]</a>

- **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.

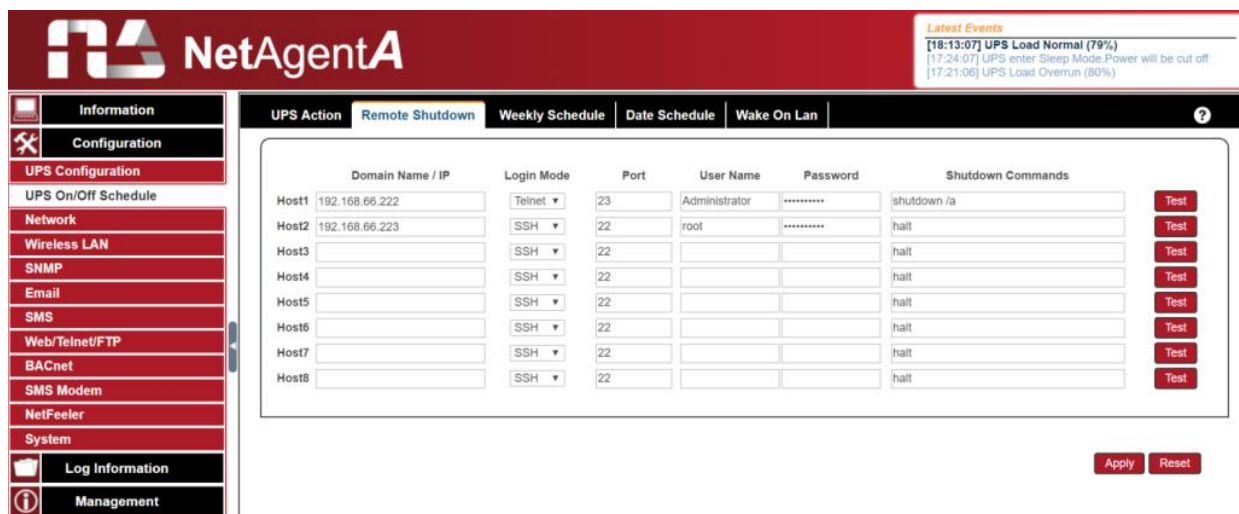
First, go to UPS Action tab, select event of “AC Power Failed” then select “shutdown Host 1 “ , press on Add. The action will be add in the list. Then the same for Host 2, select event of “AC Power Failed” and select “shutdown Host 2” from the list and press on Add to be in the list.



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**



- Weekly Schedule**

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

Day	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 1 minute before Scheduled Shutdown Event

Apply Reset

- 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.

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 1 minute before Scheduled Shutdown Event

Apply Reset

- **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

The screenshot shows the NetAgentA web interface. The top navigation bar includes 'IPv4', 'IPv6', 'Ethernet', 'Dynamic DNS', and 'PPPoE'. The 'IPv6' tab is active. The main content area is titled 'IP Address' and contains the following fields: 'IP Address' (text input), 'IPv6 Prefix' (text input with '64' entered), 'Gateway' (text input), 'Obtain an address \*' (dropdown menu with 'Automatic' selected), 'Router Discovery Autorespond' (checkbox), 'Maximum Number of IPv6 Prefix' (text input with '5000' entered), and 'Multicast Address' (text input). Below this is the 'DNS Server IP' section with 'Primary DNS Server' and 'Secondary DNS Server' text inputs. A red asterisk note at the bottom states: '\* : System will reboot when these items have been Applied.' 'Apply' and 'Reset' buttons are located at the bottom right.

- **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

The screenshot shows the NetAgentA web interface with the 'Ethernet' tab active. The main content area contains the following fields: 'Connection Type \*' (dropdown menu with 'Auto Sense' selected), 'Stop UPS communication when Ethernet disconnected' (dropdown menu with 'No' selected), and 'Modbus on TCP Device ID' (text input with '1' entered). A red asterisk note at the bottom states: '\* : System will reboot when these items have been Applied.' 'Apply' and 'Reset' buttons are located at the bottom right.

- **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

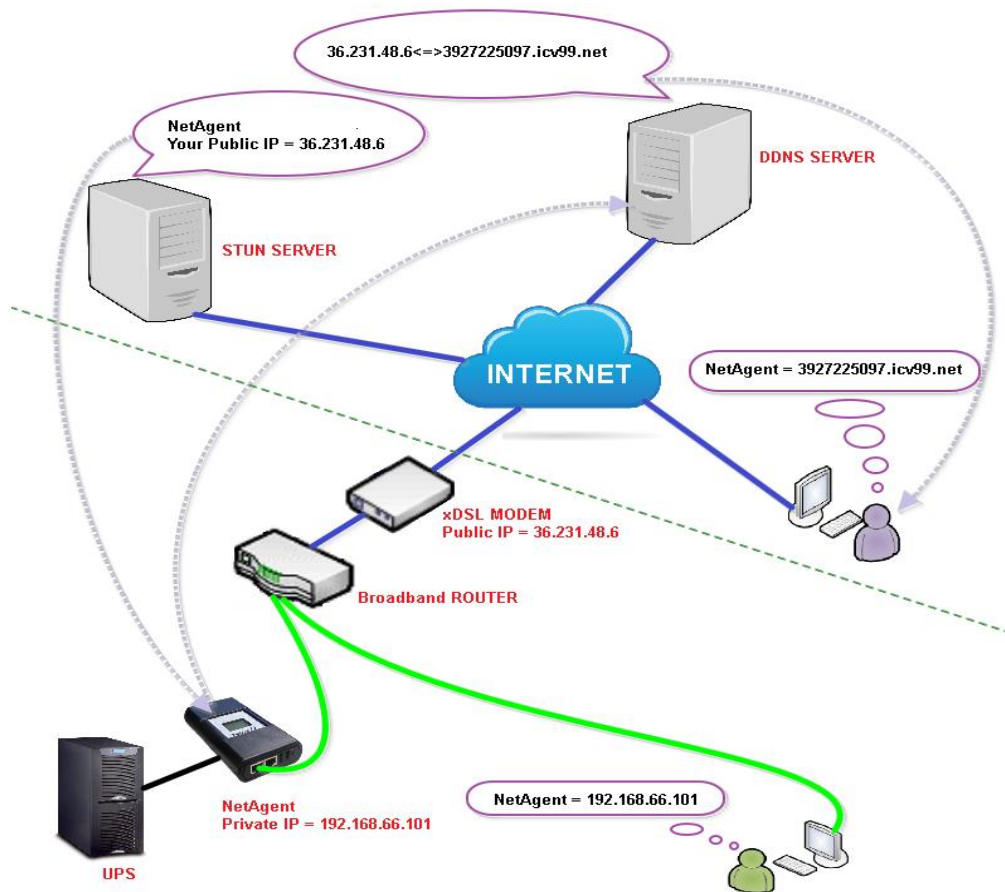
This is the Login / Account name that you have created with the selected DDNS provider.

Login Password:

Enter the Password you have assigned to your DDNS Account.

Use external STUN server to get Public IP to register

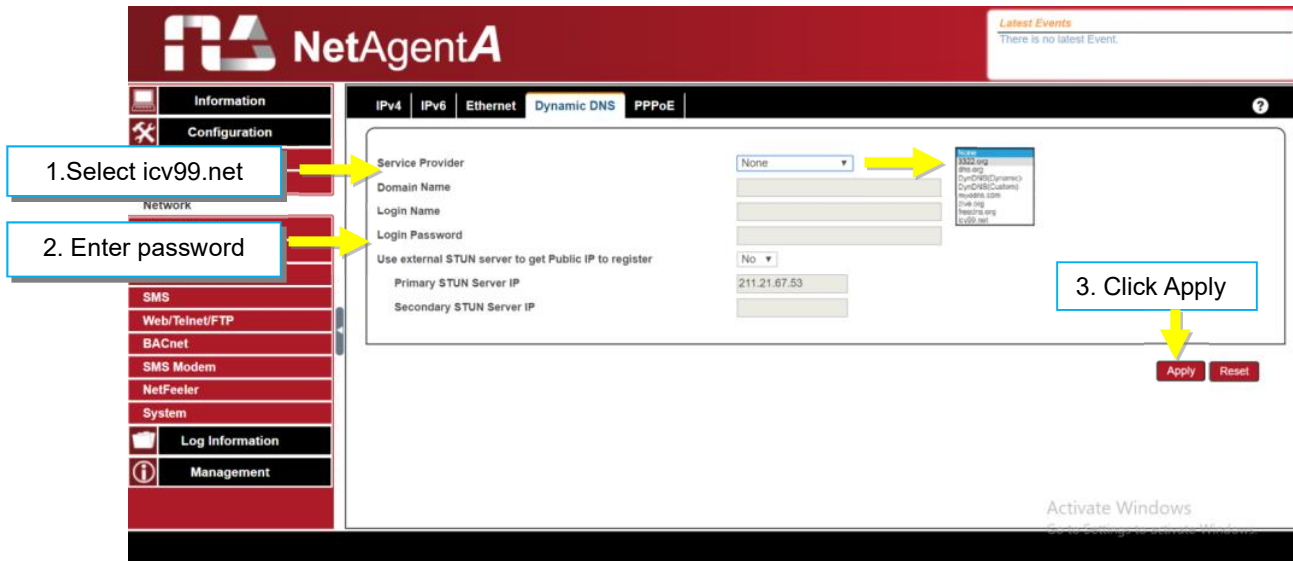
Choose **Yes** to ensure that NetAgentA uses the WAN / Public IP to update the selected DDNS server





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.



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

**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.

Save Settings    Don't Save Settings

**24 -- VIRTUAL SERVERS LIST**

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

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

The screenshot shows the NetAgentA web interface. The top navigation bar includes 'Information', 'UPS Status', 'System Status', 'Remote Control', 'SMS Modem Status', 'NetFeeler', 'Configuration', 'Log Information', and 'Management'. The 'System Information' tab is active, displaying details such as Hardware Version (HDA806), Firmware Version (3.6.DA806.VTs), and System Name (UPS Agent). A 'Latest Events' box in the top right corner shows error messages: '[10:49:51] Connection with time server failed.' and '[08:49:03] Connection with time server failed. [07:48:35] UPS communication has been lost.'

Below the system information, there are two diagrams. The left diagram, 'iImage Server', shows a network topology with WAN and LAN connections. The right diagram, 'Dynamic Domain Name Server (DDNS)', compares 'without DDNS' (where a remote viewer cannot reach a device behind a NAT) and 'with DDNS' (where a dynamic domain name is used to reach the device). Below these diagrams is a registration form for DDNS with the following fields:

- Domain Name: 2927225097.icv99.net
- Domain Password: [masked]
- Buttons: Sign In, Activate, Lost/Forget DDNS Password

A yellow box highlights the registration form, and a yellow box highlights a product label for NetAgent9 with the following information:

- S/N: Y-3927225097
- MAC: 00-03-EA-14-B2-E0
- Password: 24931003

Yellow arrows point from the product label to the registration form fields. A large blue arrow points downwards from the registration form to the next screenshot.

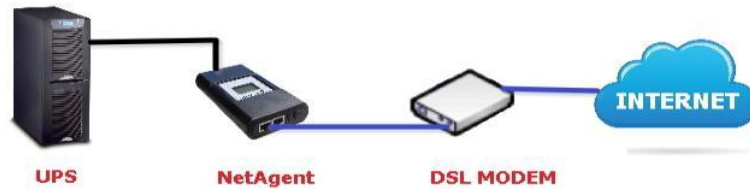
The screenshot shows the 'Dynamic Domain Name Server (DDNS)' registration form. The form is divided into two steps: 'Step1 : Registration' and 'Step2 : Set Domain Name and Click Done'. The 'Step2' section contains the following fields and annotations:

- Product Serial number:** 3927225097
- Register IP:** 127.0.0.1
- Default Domain Name:** 3927225097.icv99.net
- Set New Domain Name:** bty505.icv99.net (Annotation: New Domain name)
- Domain Password:** [masked] (Annotation: Enter new password)
- Re-enter Password:** [masked] (Annotation: Enter new password)
- E-mail address:** ttc@gmail.com (Annotation: Enter email)
- Done button:** (Annotation: Click on Done)

Additional text in the form includes: 'Must be 4 to 31 letters or digits.' for the domain name, '\* Blank = Use existing password' for the password fields, and 'Required, if a new domain name is assigned. Must be 4 to 10 characters (0-9, a-z, A-Z only).' for the re-enter password field. A 'Logout' link is visible in the top right corner.

- **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 left sidebar contains a navigation menu with categories: Information, Configuration (with sub-items: 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 includes a dropdown menu set to 'Connect always'. Below this are input fields for 'Login Name' and 'Login Password'. Annotations with yellow boxes and arrows point to the 'Connect always' dropdown, the 'Login Name' field, and the 'Login Password' field. The 'Apply' and 'Reset' buttons are also highlighted with a yellow box. A 'Latest Events' box in the top right corner shows 'There is no latest Event.' An 'Activate Windows' watermark is visible at the bottom right.

## ■ Configuration > Wireless LAN

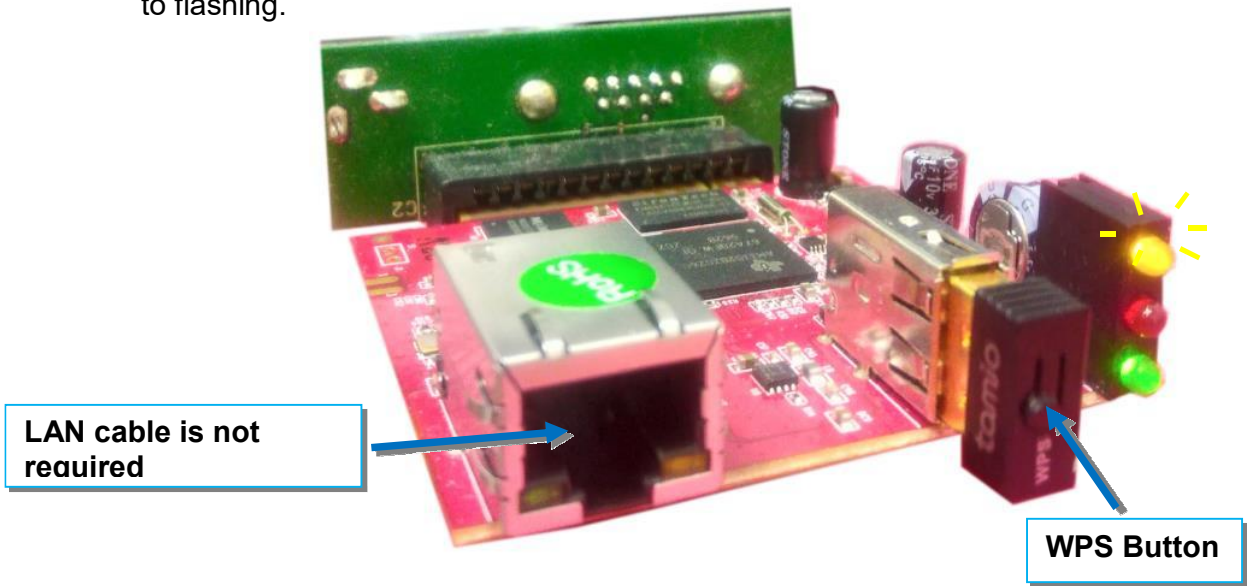
This is to configure NetAgentA Wireless network with compatible USB wireless dongle.

### 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**"



ASUS RT-AC53 登出 重新開機 繁體中文

運作模式: 無線路由器 韌體版本: 3.0.0.4.380\_10446  
SSID: ASUS\_RTAC53\_2.4G ASUS\_RTAC53\_5G

一般設定 WPS WDS 無線 MAC 地址過濾器 RADIUS 設定 專業設定

### 無線網路 - WPS

WPS (Wi-Fi Protected Setup) 可讓您輕鬆地設定一個安全的無線網路。

啟用 WPS	<input checked="" type="checkbox"/> ON
目前頻率	2.4GHz
連線狀態	Start WPS Process
配置	是 <input type="button" value="重新設定"/>
基地台 PIN 碼	46312037

您可以透過以下任一方法簡便連接一個 WPS 用戶端：

- 方法1：點擊介面上的 WPS 按鈕。（或按下路由器後面板的 WPS 按鈕），然後按下用戶端無線網路卡上的 WPS 按鈕並等待約 3 分鐘。
- 方法2：開啟用戶端 WPS 程式並取得用戶端PIN碼。在用戶端PIN碼欄中輸入用戶端PIN碼並點選「開始」。請查看您的無線用戶端的使用手冊以確認其是否支援WPS功能。若您的無線用戶端不支援 WPS 功能，您需要進行手動設定並設定與路由器相同的網路名稱（SSID）以及加密設定。

WPS 連線模式：  
 WPS 按鈕  用戶端 PIN 碼

**Start WPS Connection Process**



ASUS RT-AC53 登出 重新開機 繁體中文

運作模式: 無線路由器 韌體版本: 3.0.0.4.380\_10446 SSID: ASUS\_RTAC53\_2.4G ASUS\_TED\_5G

一般設定 WPS WDS 無線 MAC 地址過濾器 RADIUS 設定 專業設定

### 無線網路 - WPS

WPS (Wi-Fi Protected Setup) 可讓您輕鬆地設定一個安全的無線網路。

啟用 WPS	<input checked="" type="checkbox"/> ON
目前頻率	2.4GHz
連線狀態	Success
配置	是 <input type="button" value="重新設定"/>
基地台 PIN 碼	46312037

您可以透過以下任一方法簡便連接一個 WPS 用戶端：

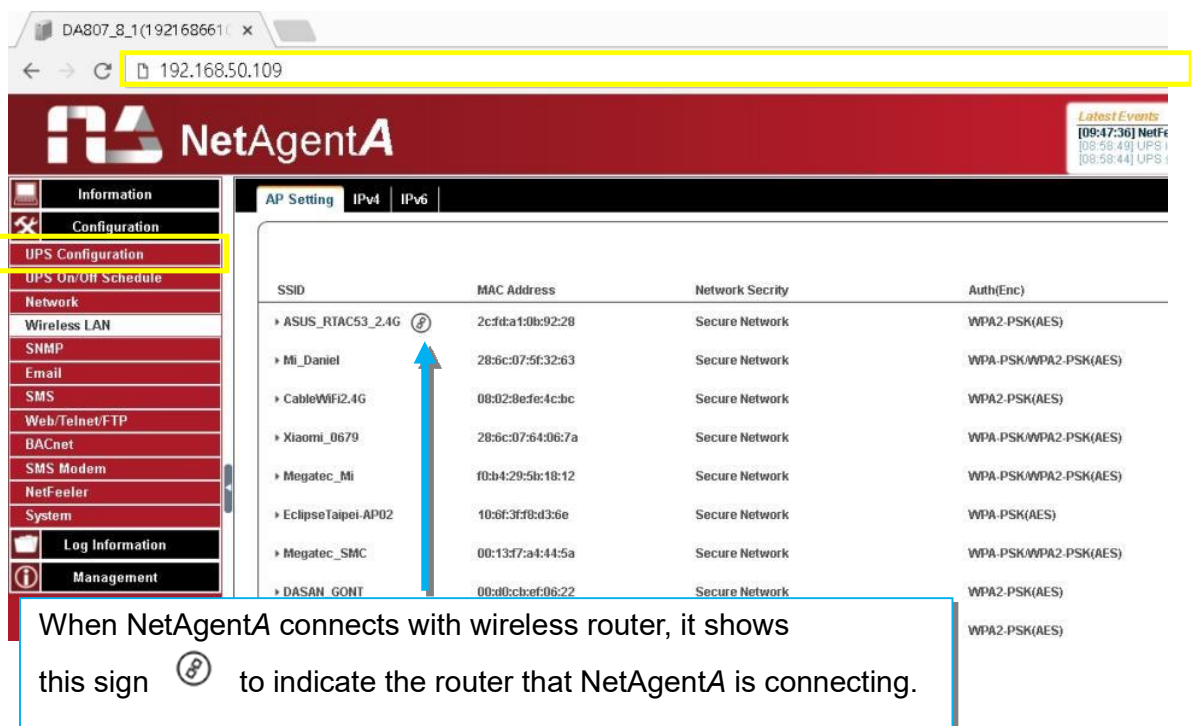
- 方法1：點擊介面上的 WPS 按鈕。（或按下路由器後面板的 WPS 按鈕），然後按下用戶端無線網路卡上的 WPS 按鈕並等待約 3 分鐘。
- 方法2：開啟用戶端 WPS 程式並取得用戶端PIN碼。在用戶端PIN碼欄中輸入用戶端PIN碼並點選「開始」。請查看您的無線用戶端的使用手冊以確認其是否支援WPS功能。若您的無線用戶端不支援 WPS 功能，您需要進行手動設定並設定與路由器相同的網路名稱（SSID）以及加密設定。

WPS 連線模式：  
 WPS 按鈕  用戶端 PIN 碼

**When WPS connection successfully, the yellow LED on NetAgentAA stop flashing**

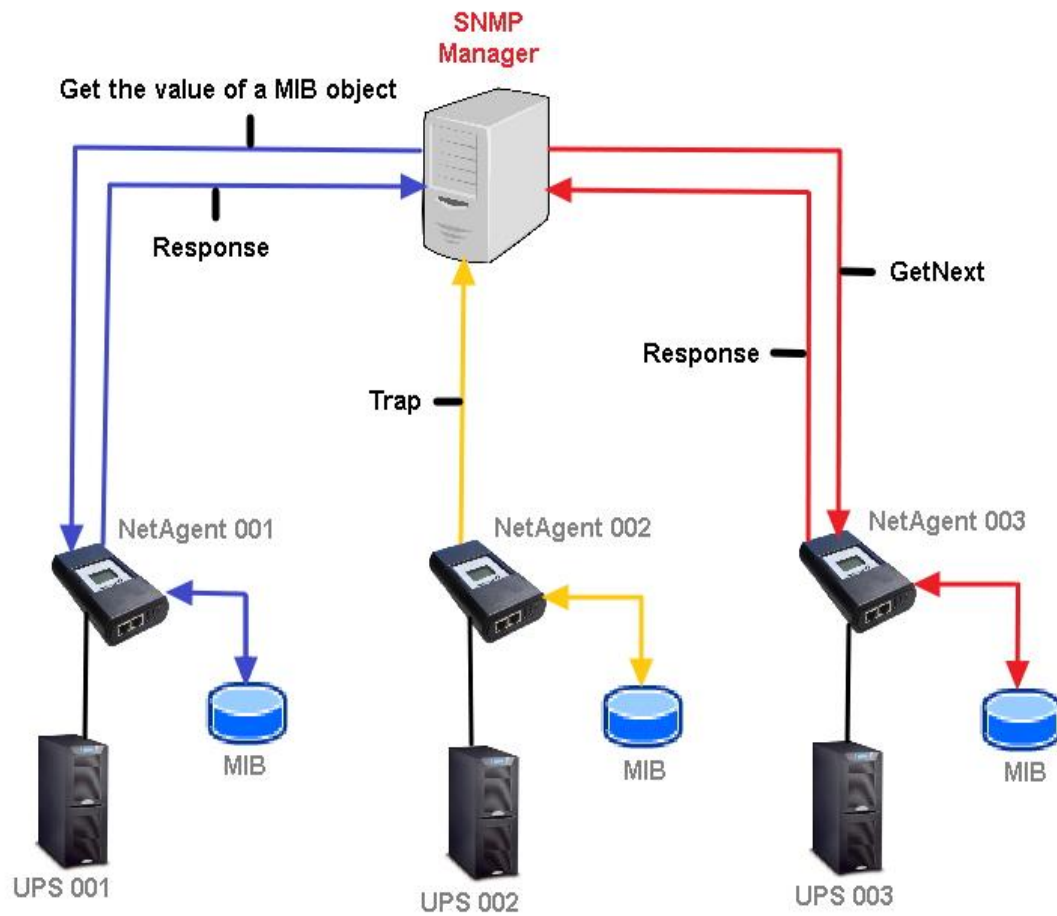
Open up Netility to login to NetAgentA :

- (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 header features the NetAgentA logo and a 'Latest Events' section indicating 'There is no latest Event.' The left sidebar contains a navigation menu with categories: Information, Configuration (including 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 'General' and includes tabs for 'Access Control', 'Trap Notification', and 'Device Connected'. 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

- **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 :

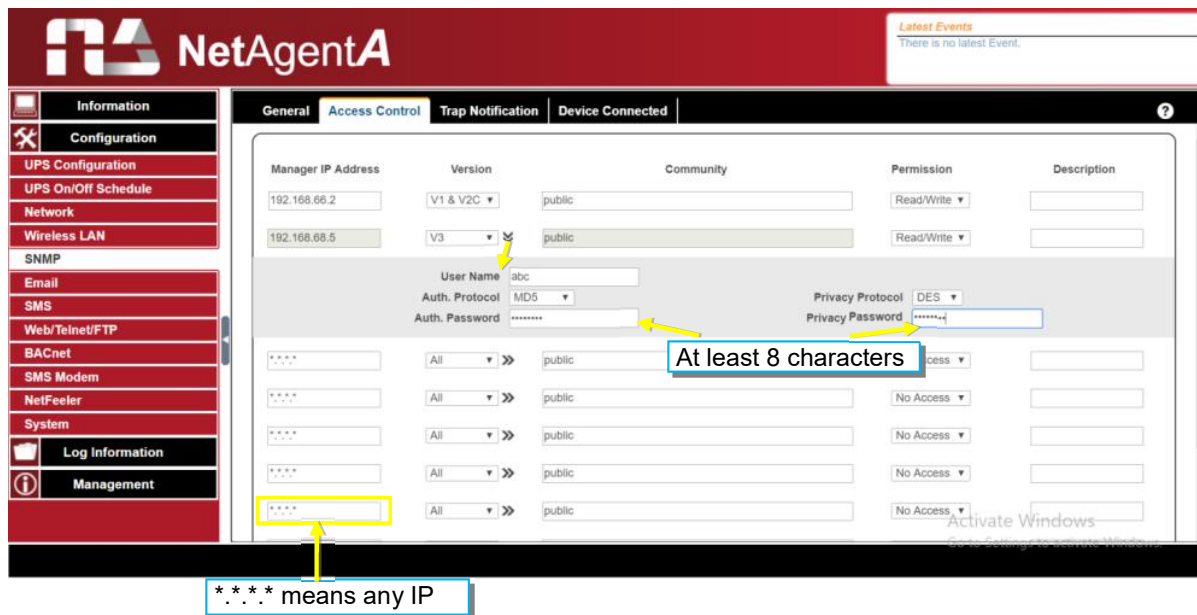
This section is to set a Community name for NMS. The community name has to be as the same as the setting in NMS. (Default is public)

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

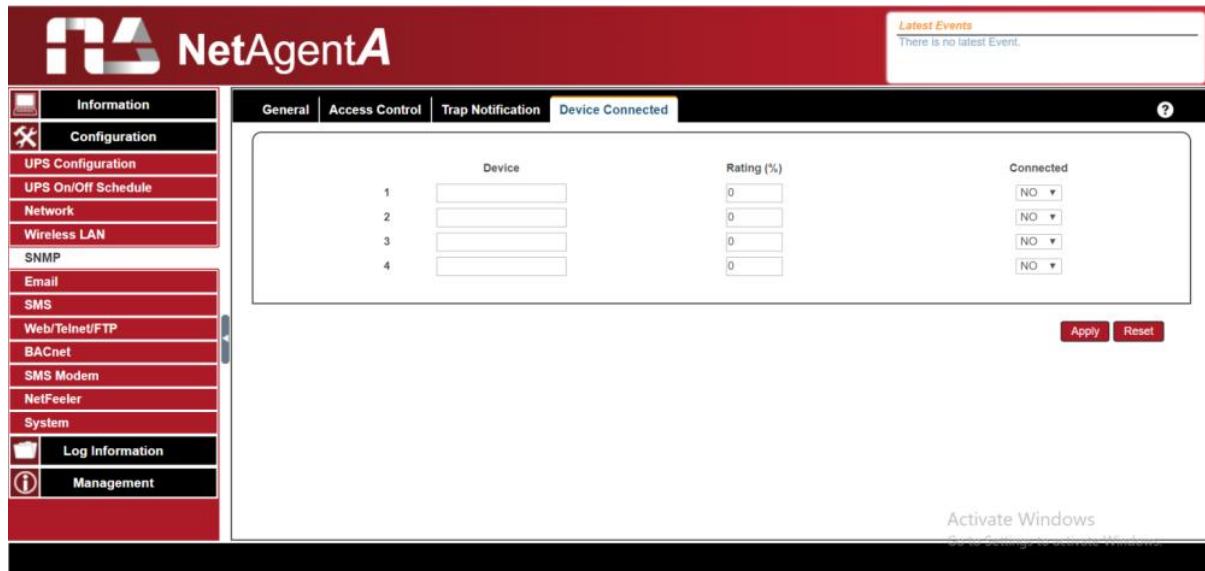
SNMP Inform Request

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. At the top, the NetAgentA logo is visible on the left, and a 'Latest Events' box on the right shows 'There is no latest Event.' Below the logo is a navigation menu with categories: Information, Configuration (with sub-items like UPS Configuration, Network, Wireless LAN, SNMP, Email, SMS, Web/Telnet/FTP, BACnet, SMS Modem, NetFeeler, System), Log Information, and Management. The main configuration area has tabs for General, Access Control, Trap Notification (selected), and Device Connected. The Trap Notification tab contains a table of trap receivers with columns for IP address, protocol (SNMPv3 inform), community name, port (PPC), and severity (Information). Each row has 'Select' and 'Test' buttons. Below the table, there is a field for 'Send Power Restore and Adapter Restore Traps for 0 time(s) in 0 second(s) interval.' At the bottom of the configuration area, the 'SNMP Inform Request' section has fields for 'Number of Retries' (set to 3) and 'Timeout (sec)' (set to 5). A yellow arrow points from the 'SNMPv3 inform' dropdown in the table to the 'SNMP Inform Request' section. At the bottom of the page, there is a login section with fields for 'User Name' (abc), 'Auth. Protocol' (MD5), 'Privacy Protocol' (DES), 'Auth. Password', 'Privacy Password', and '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 :

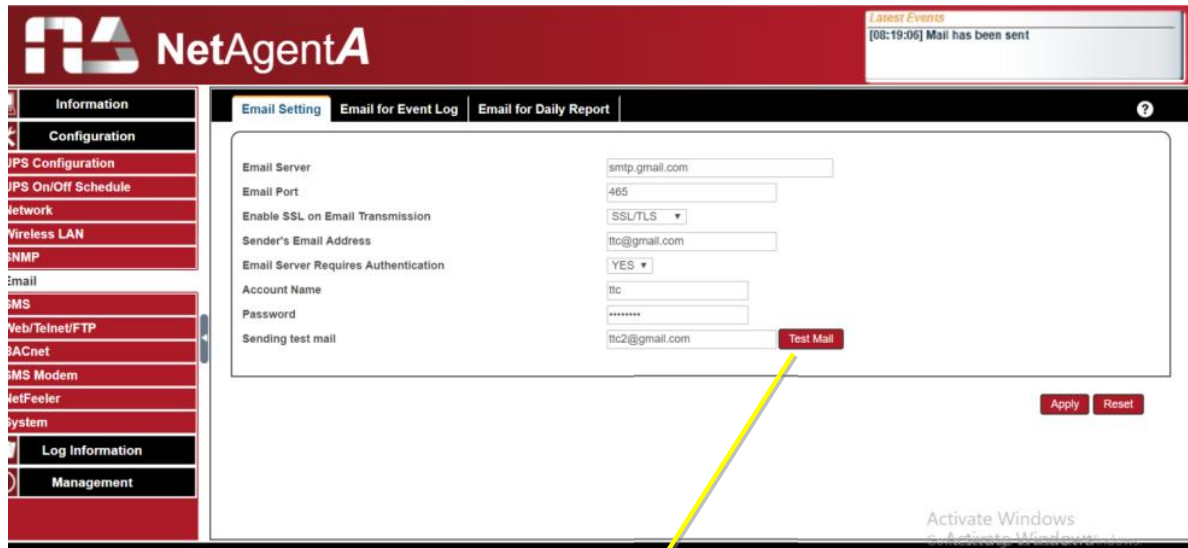
If authentication is required, enter its account name

Password :

If authentication is required, enter its password

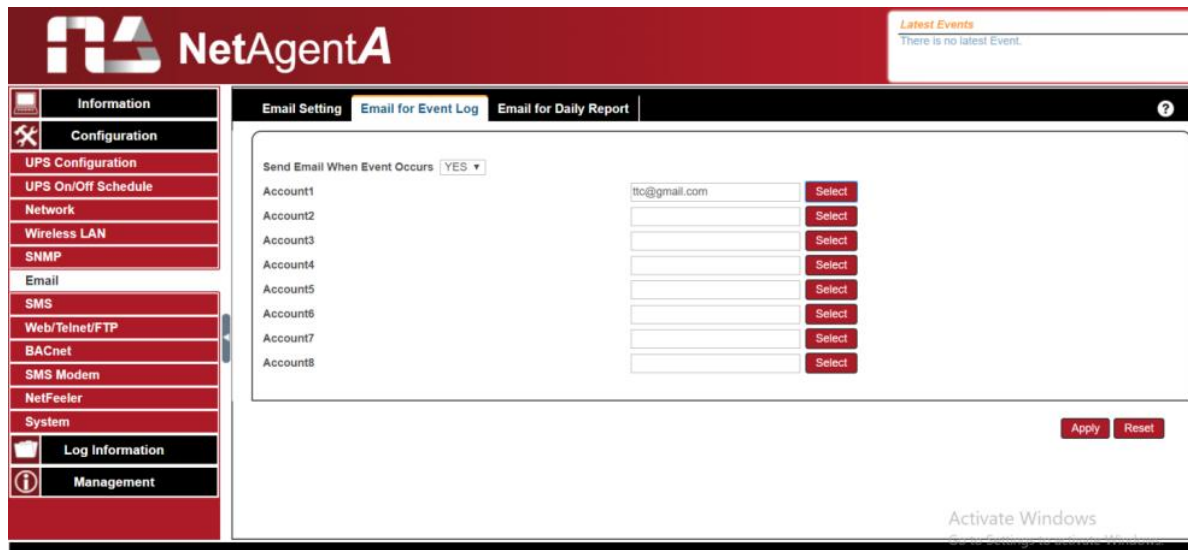
Sending Test Mail :

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



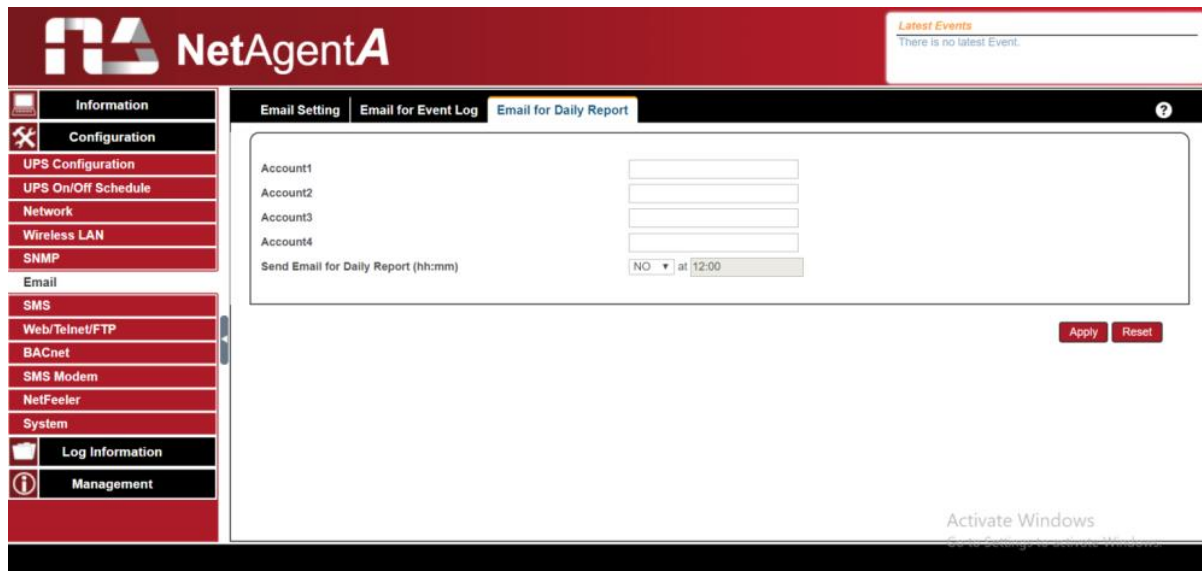
- **Email for Event Log (To received email notification)**

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



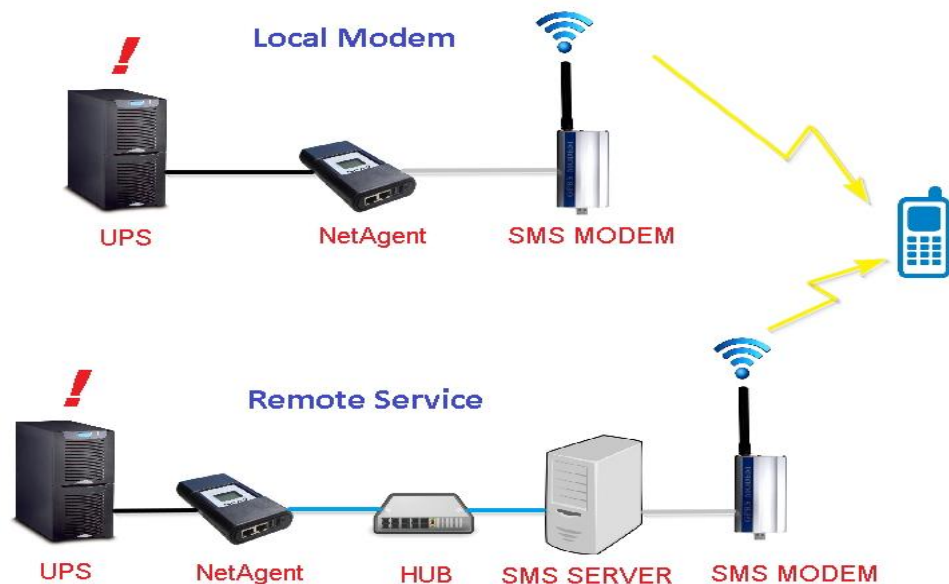
- **Email for Daily Report (To receive daily report)**

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

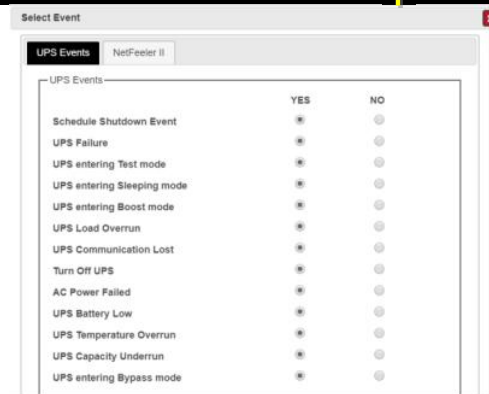
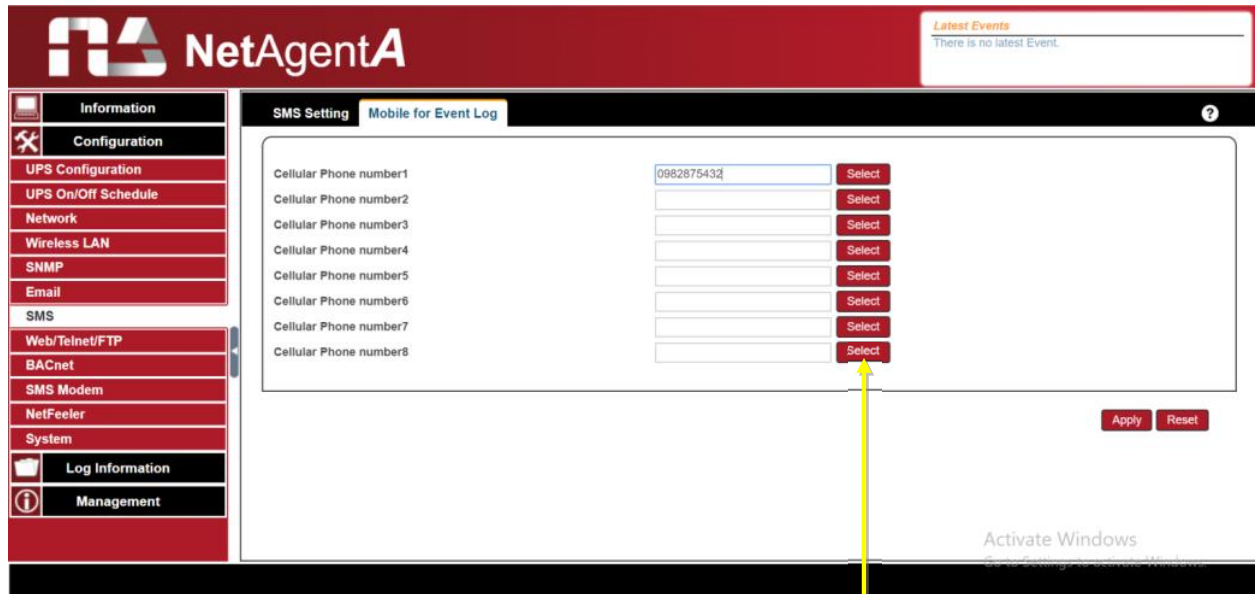
Sending test SMS :

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

The screenshot displays the NetAgentA web interface. The top header is red with the NetAgentA logo on the left and a 'Latest Events' section on the right stating 'There is no latest Event.' Below the header is a navigation menu with categories: Information, Configuration, Log Information, and Management. The 'Configuration' section is expanded to show various settings: UPS Configuration, UPS On/Off Schedule, Network, Wireless LAN, SNMP, Email, SMS, Web/Telnet/FTP, BACnet, SMS Modem, NetFeeler, and System. The 'SMS Modem' option is selected, leading to the 'SMS Setting' page. This page has two tabs: 'SMS Setting' and 'Mobile for Event Log'. The 'SMS Setting' tab is active, showing a form with the following fields: 'Send SMS When Event Occurs' (a dropdown menu set to 'Use Local Modem'), 'SMS Server' (a text input field), 'SMS Port' (a text input field containing '80'), 'Account Name' (a text input field), 'Password' (a text input field), and 'Sending test SMS' (a text input field). A red 'Test SMS' button is located to the right of the 'Sending test SMS' field. At the bottom right of the form area, there are 'Apply' and 'Reset' buttons. The footer of the page contains the text 'Activate Windows' and a link to 'Go to Settings to activate Windows'.

- **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



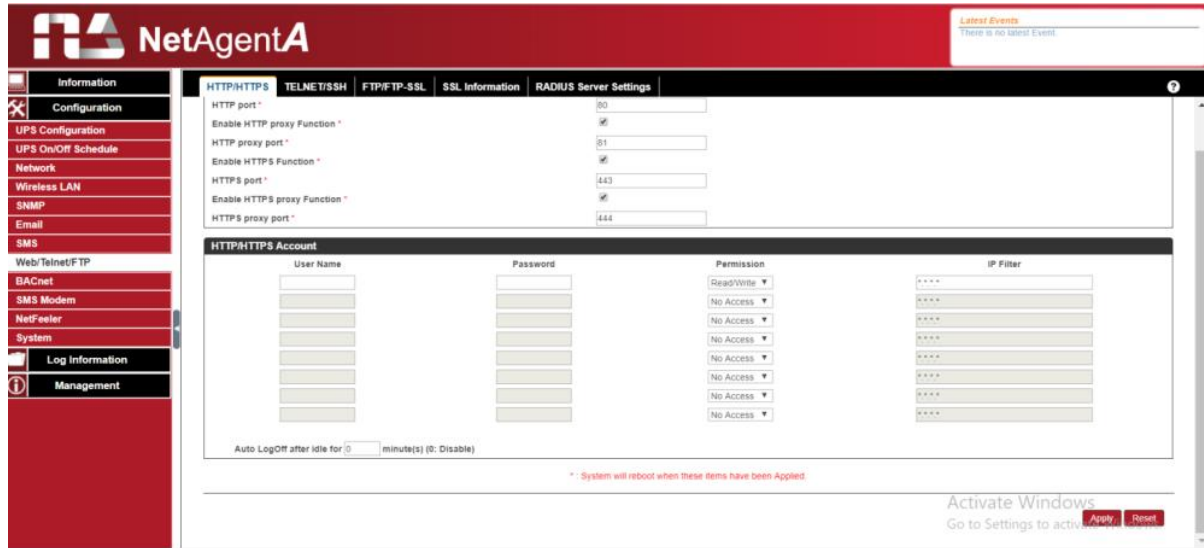
IP Filter :

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)

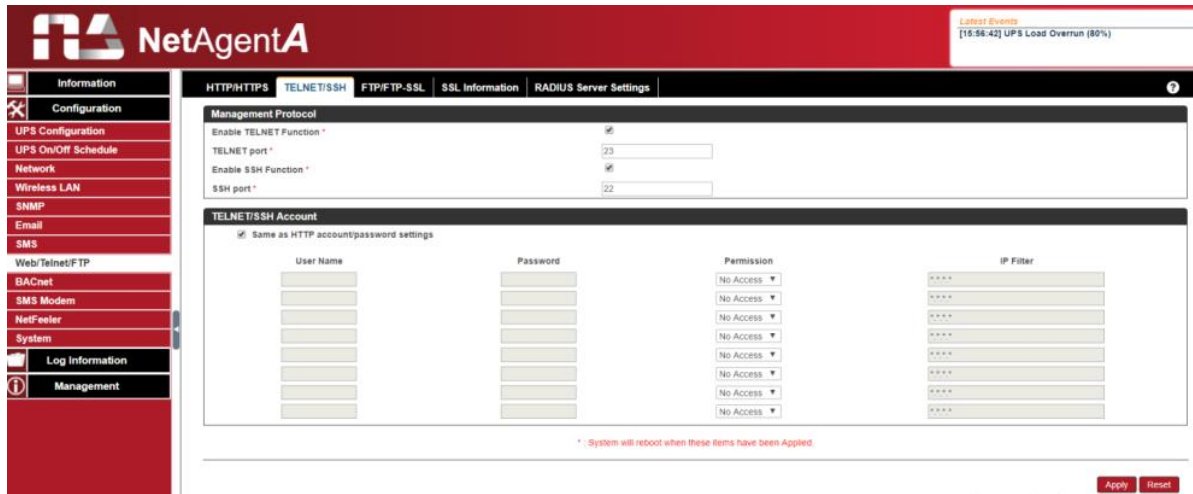
☀ Permission Rule : At least one user account must be Read/Write

☀ 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)

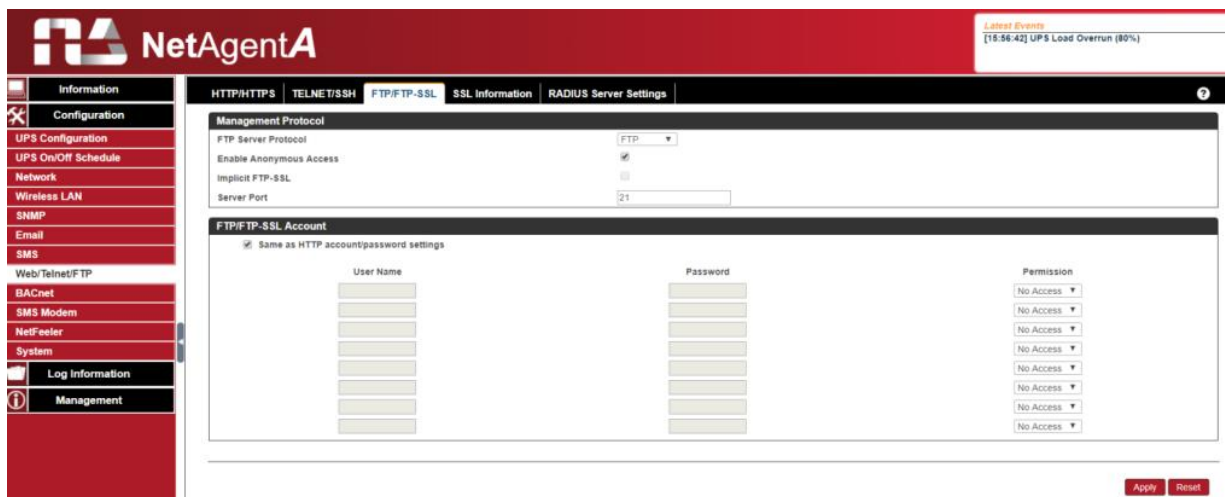
☀ **Permission Rule : At least one user account must be Read/Write**

☀ **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

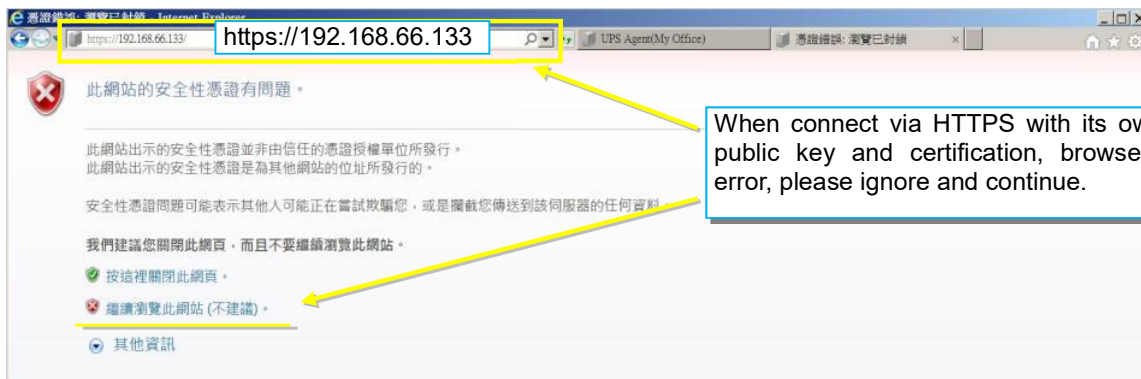
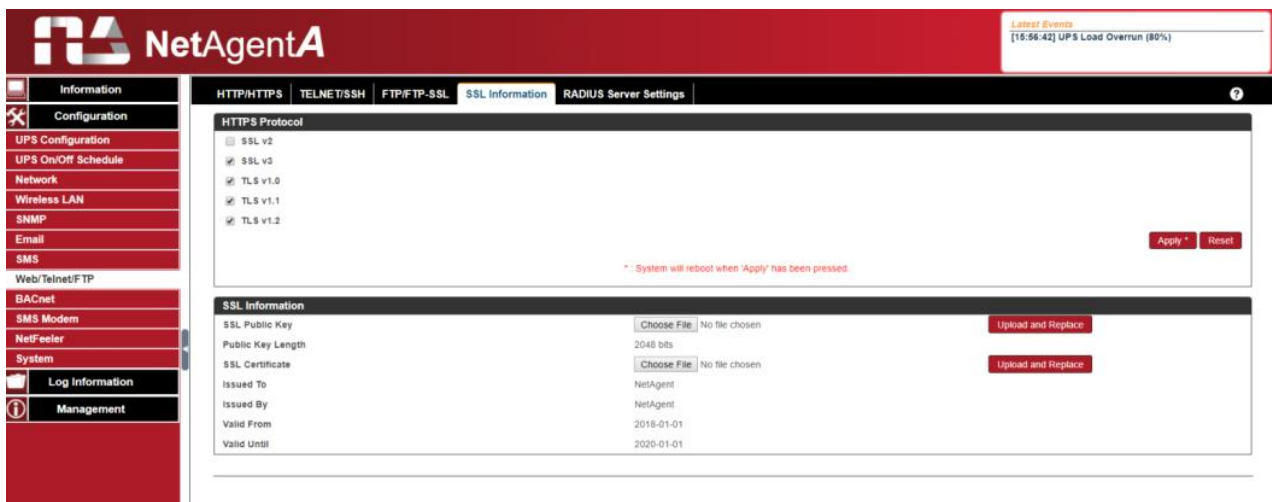
- SSL v2
- SSL v3
- SSL v1.0
- SSL v1.1
- SSL v1.2

☀ 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 :

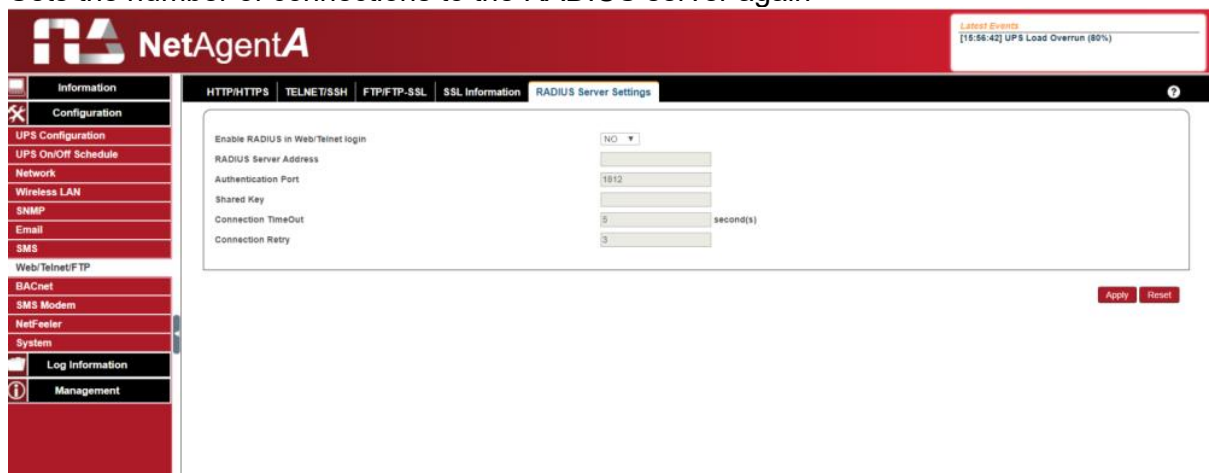
Enter the Shared Key between RADIUS Server and client

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

The screenshot shows the NetAgentA web interface. The top header is red with the NetAgentA logo and a 'Latest Events' box showing '[15:56:42] UPS Load Overrun (80%)'. A left sidebar contains a navigation menu with categories: Information, Configuration, Network, BACnet, and Log Information/Management. The main content area is titled 'BACnet' and contains two sections: 'BACNet Device' and 'Notification'. The 'BACNet Device' section has two input fields: 'BACNet Device ID' (value: 1016) and 'BACNet Port (0-65535)' (value: 47808). The 'Notification' section is a table with columns: Destination IP, Accept, Port (0-65535), Severity, and Description. Each column has an input field. The 'Accept' column has a dropdown menu with 'No' selected. The 'Severity' column has a dropdown menu with 'Alarm' selected. At the bottom right of the form are 'Apply' and 'Reset' buttons.

BACNet Device	
BACNet Device ID	<input type="text" value="1016"/>
BACNet Port (0-65535)	<input type="text" value="47808"/>

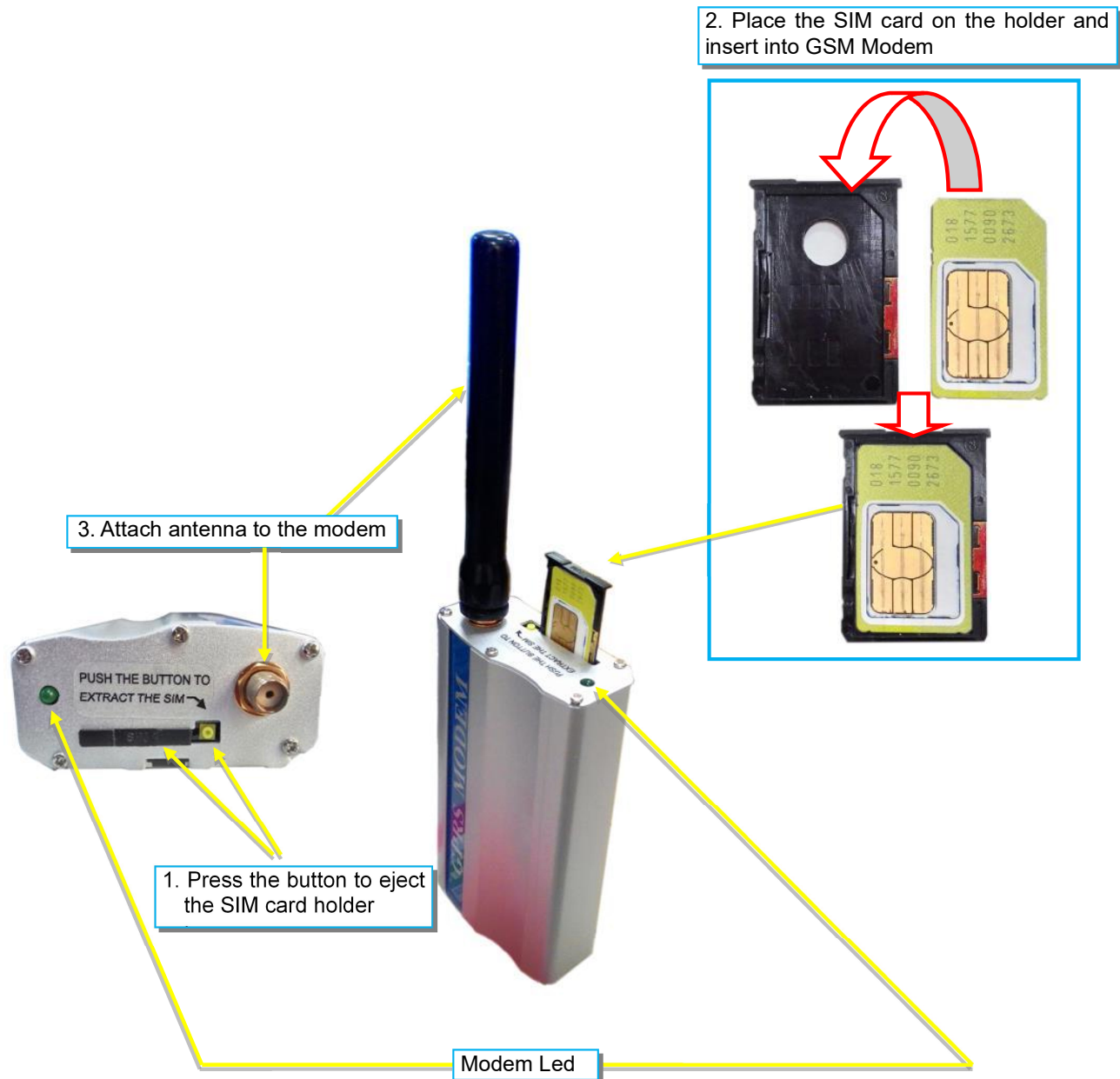
  

Destination IP	Accept	Port (0-65535)	Severity	Description
<input type="text"/>	No ▾	<input type="text"/>	Alarm ▾	<input type="text"/>
<input type="text"/>	No ▾	<input type="text"/>	Alarm ▾	<input type="text"/>
<input type="text"/>	No ▾	<input type="text"/>	Alarm ▾	<input type="text"/>
<input type="text"/>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

## ■ 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 :

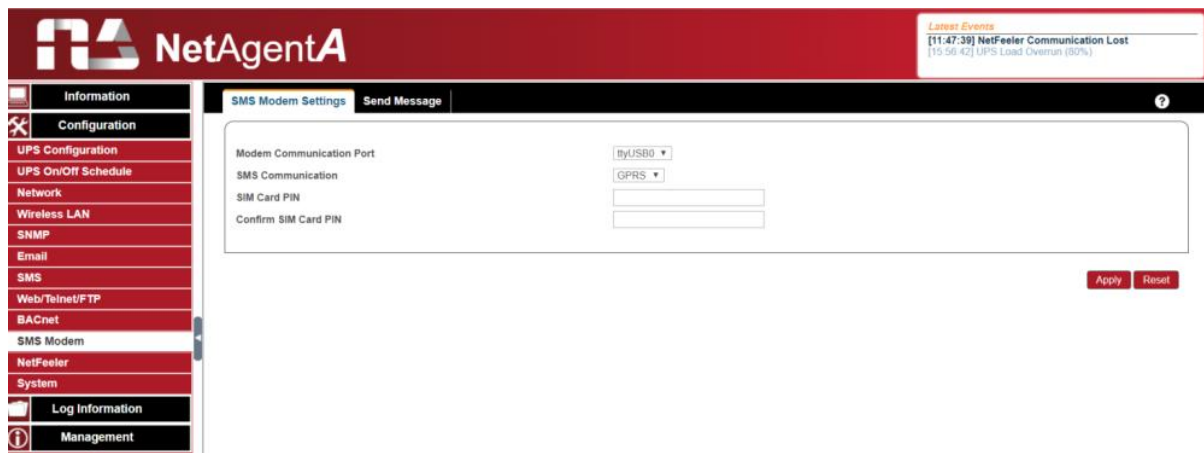
If PIN is required for the SIM card, please enter

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



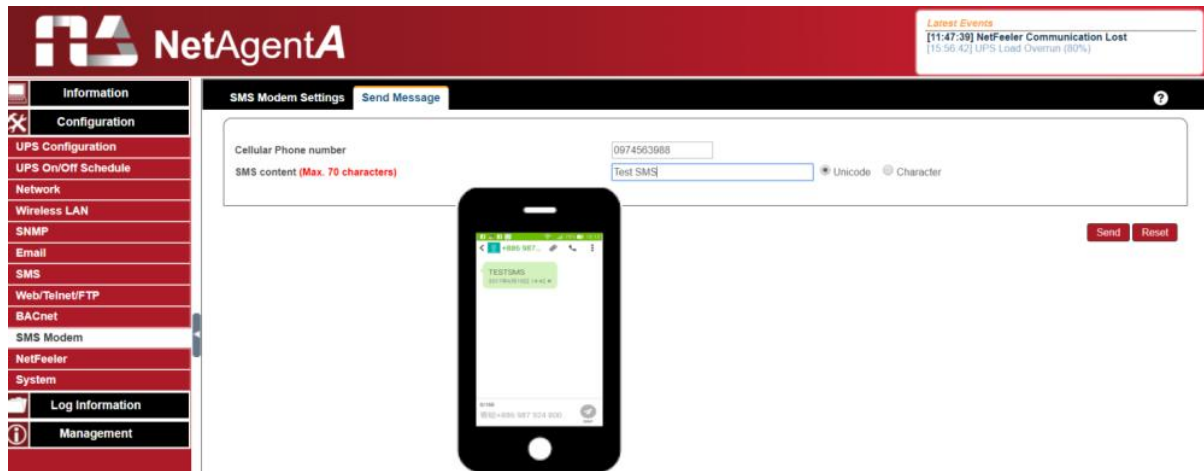
- **Send Message**

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 detect 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.

The screenshot displays the NetAgentA web interface. The top header features the NetAgentA logo and a 'Latest Events' section showing a 'NetFeeler Communication Lost' event. The left sidebar contains a navigation menu with categories: Information, Configuration (selected), UPS Configuration, UPS On/Off Schedule, Network, Wireless LAN, SNMP, Email, SMS, Web/Telnet/FTP, BACnet, SMS Modem, NetFeeler, and System. The main content area is titled 'NetFeeler' and contains two sections. The first section, 'NetFeeler', has a table with columns for Humidity (%), Temperature (°C), Critical UnderRun, and Critical OverRun. The second section, 'Security Label', has a table with columns for Label (1-7) and Status (Security1 Status - Security7 Status). At the bottom right, there are 'Apply' and 'Reset' buttons.

## ■ 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 displays the NetAgentA web interface. The top navigation bar includes 'Information', 'Date/Time', 'Language', and 'Save/Restore'. The left sidebar lists various configuration categories such as 'UPS Configuration', 'Network', and 'System'. The main content area is divided into two sections: 'System Time' and 'Restart'. The 'System Time' section shows the current system time (2019/01/16 12:18:56), update interval (1 Hour), time server (swsstime.ethz.ch), time zone (GMT+8:00), and daylight saving time (NO). The 'Restart' section shows the auto restart system for every (0: Disable) and the manual restart system after 30 seconds. Both sections have 'Apply' and 'Reset' buttons.

- **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

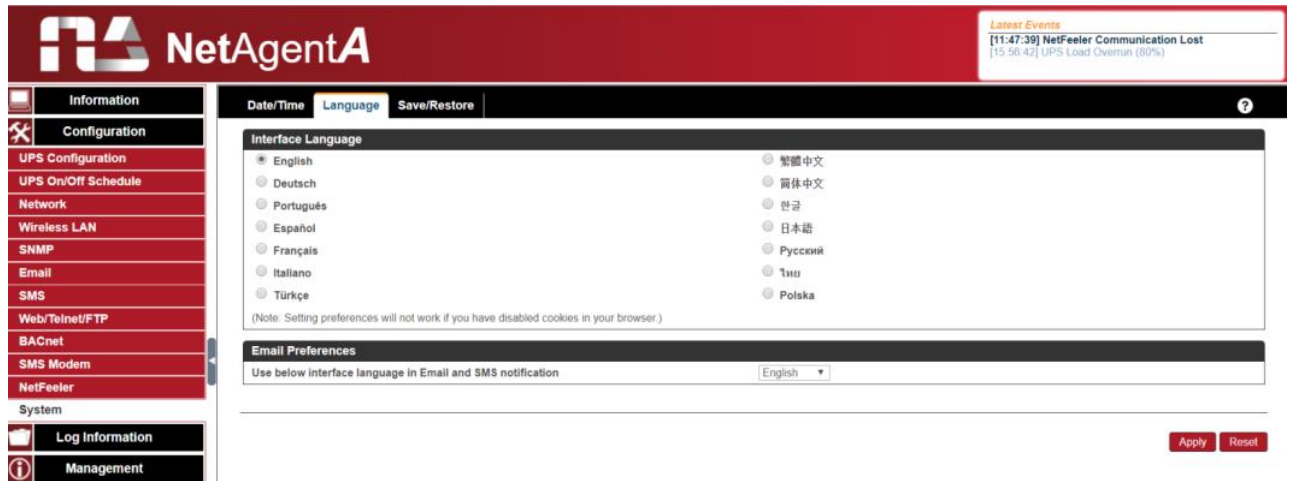
Note: Users will have to enable cookies before they use this function.

### 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

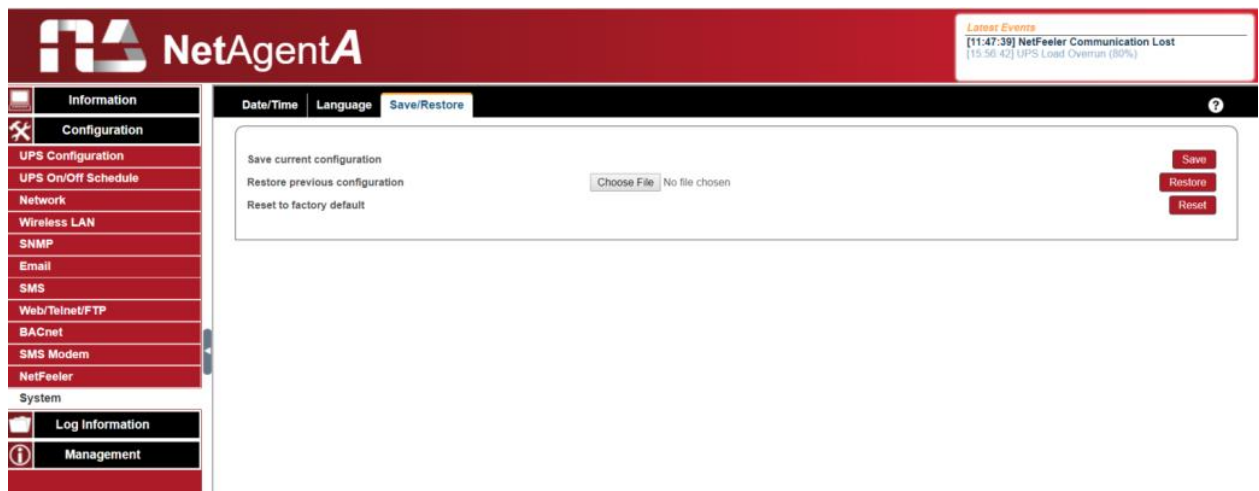
Click on Save to save the configuration to your PC. The text file will have a default format of YYYY\_MMDD\_####.cfg. Administrator permission required.

- 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

**NetAgentA** Latest Events  
[11:47:39] NetFeeler Communication Lost  
[15:56:42] UPS Load Overrun (80%)

Information  
Configuration  
Log Information  
Event Log  
Data Log  
Battery Test Log  
Management

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

- [23:12:19]: Server address can not be resolved.
- [20:08:27]: Connection with time server failed.
- [17:11:41]: Connection with time server failed.
- [11:09:28]: Connection with time server failed.
- [09:31:38]: UPS communication has been lost.
- [09:15:33]: UPS communication has been established.
- [09:08:50]: Connection with time server failed.
- [08:08:28]: 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

**NetAgentA** Latest Events  
[11:47:39] NetFeeler Communication Lost  
[15:56:42] UPS Load Overrun (80%)

Information  
Configuration  
Log Information  
Event Log  
SMS Log  
Data Log  
Battery Test Log  
Management

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%  
UPS 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 .

**NetAgentA** Latest Events  
[11:47:39] NetFeeler Communication Lost  
[15:56:42] UPS Load Overrun (80%)

Information  
Configuration  
Log Information  
Event Log  
SMS Log  
Data Log  
Battery Test Log  
Management

SMS Log

Date/Time	Mobile Number	SMS Content

Date of SMS NONE

Activate Windows  
Go to Settings 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.

**NetAgentA** Latest Events  
[11:47:39] NetFeeler Communication Lost  
[15:56:42] UPS Load Overrun (80%)

Data Chart Data Log

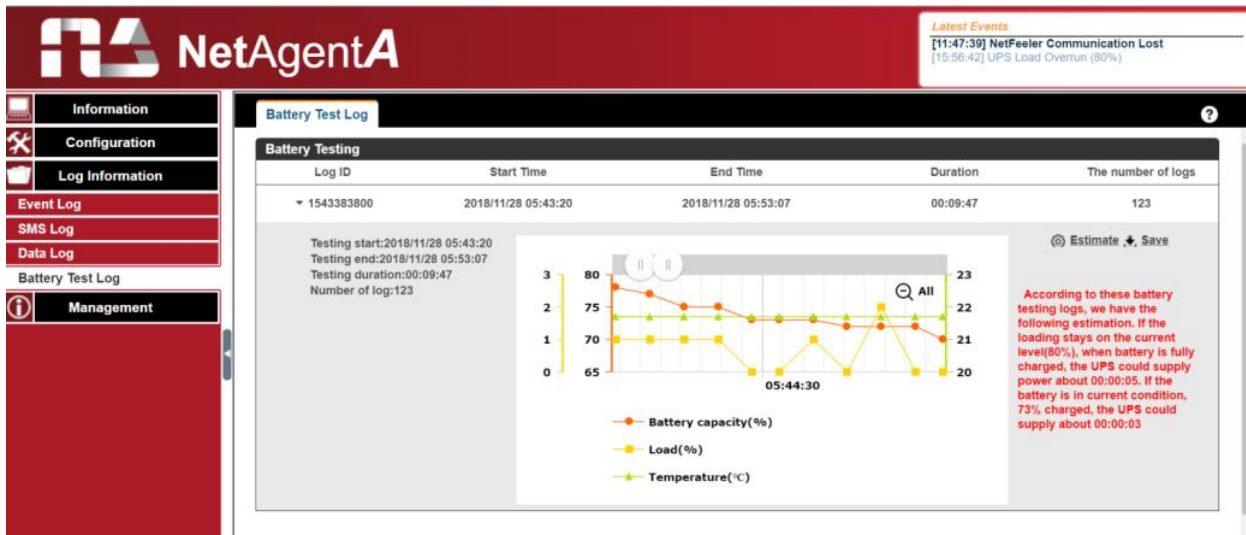
No.	Date/Time	Input Volt.(V)	Output Volt.(V)	Freq. (Hz)	Load(%)	Capacity(%)	Battery Volt.(V)	Cell Volt.(V)	Temp.(°C °F)
1	2018-11-28 11:07:52	108.6	109.6	60.0	1	100	41.0	2.28	22.0/71.6
2	2018-11-28 11:07:47	108.3	109.5	60.0	2	100	41.0	2.28	22.0/71.6
3	2018-11-28 11:07:42	108.6	110.1	60.0	1	100	41.0	2.28	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	2.27	22.0/71.6
11	2018-11-28 11:07:04	108.6	109.9	60.0	0	100	40.9	2.28	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

Date of Datalog: 2018/11/28 1 2 ... 67 Go 1 Refresh Save

- **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.



- **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)

The screenshot shows the NetAgentA interface with the 'NetAgent Web' selected. The main content area displays a table listing all devices on the network. The table has columns for Device, MAC Address, Hardware, Firmware, and IP Address. The left sidebar shows the 'Management' menu with 'Netility Web' selected.

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

## ■ 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

The screenshot shows the NetAgentA File Manager interface. On the left is a navigation menu with options: Information, Configuration, Log Information, Management, Netility Web, File Manager, Serial Port Debug, Help, and About. The main area is titled 'File Manager' and shows a directory tree with 'log' expanded to show sub-directories like 'batterylog', 'datalog', 'eventlog', and 'smslog'. The 'datalog' directory is selected, showing a file 'datalog\_20190111.dat'. Below the tree is a table of files:

Type	Name	Size	Modified Time
	datalog_20190111.dat	6220808	2019/01/11 02:01:16

Below the table, it shows '2019/01/11 01:36:21' and 'total 1 files,0 directories.' In the top right corner, there is a 'Latest Events' section with three entries: '[09:03:51] Connection with time server failed.', '[10:49:51] Connection with time server failed.', and '[08:49:03] Connection with time server failed.'

## ■ 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

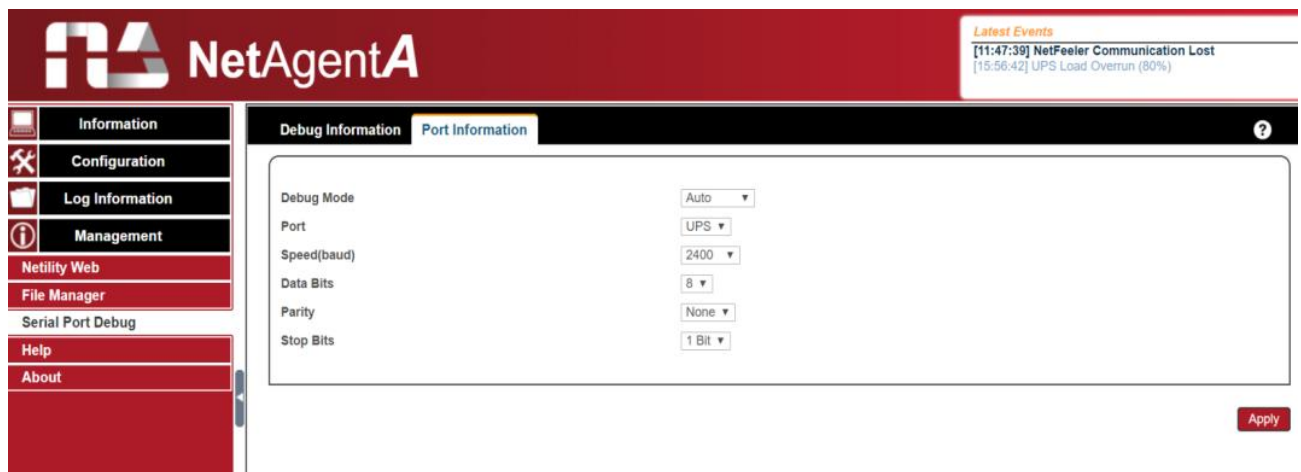
#### Received Information

This display the response that NetAgentA receives from UPS

The screenshot shows the NetAgentA Serial Port Debug interface. The top navigation menu includes: Information, Configuration, Log Information, Management, Netility Web, File Manager, Serial Port Debug, Help, and About. The main area is titled 'Serial Port Debug' and has two tabs: 'Debug information' and 'Port Information'. The 'Debug information' tab is active, showing a 'Send Content' input field with a 'Send' button. Below it is a 'Sent Information' section with a list of commands sent to the UPS, such as 'Q1r', 'Flr', and 'Q1r'. There is also a 'Received Information' section with a list of responses from the UPS, including IP addresses and device identifiers like 'VlnegaTec M1000K V001203.12r'. In the bottom right corner, there is a watermark for 'Activate Windows'.

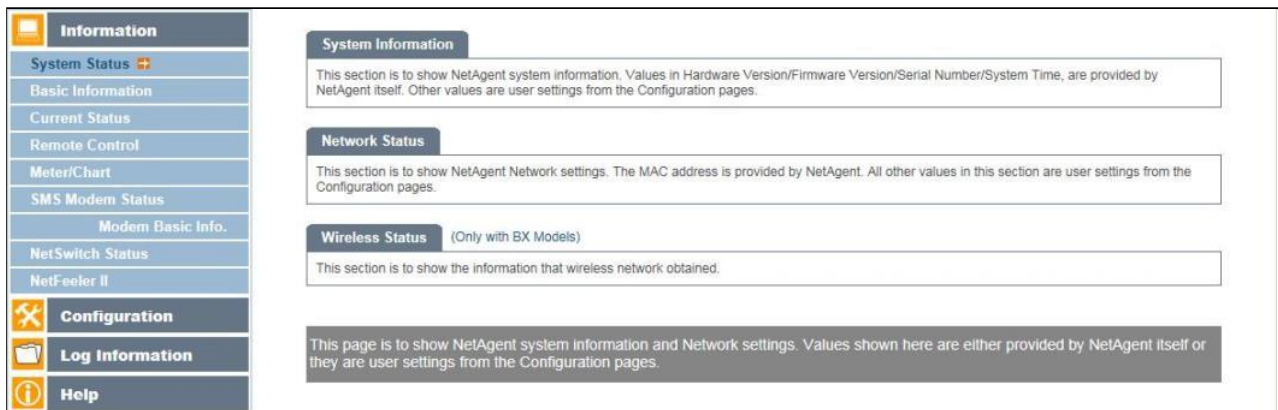
- **Port Information**

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.



- **Management > Help**

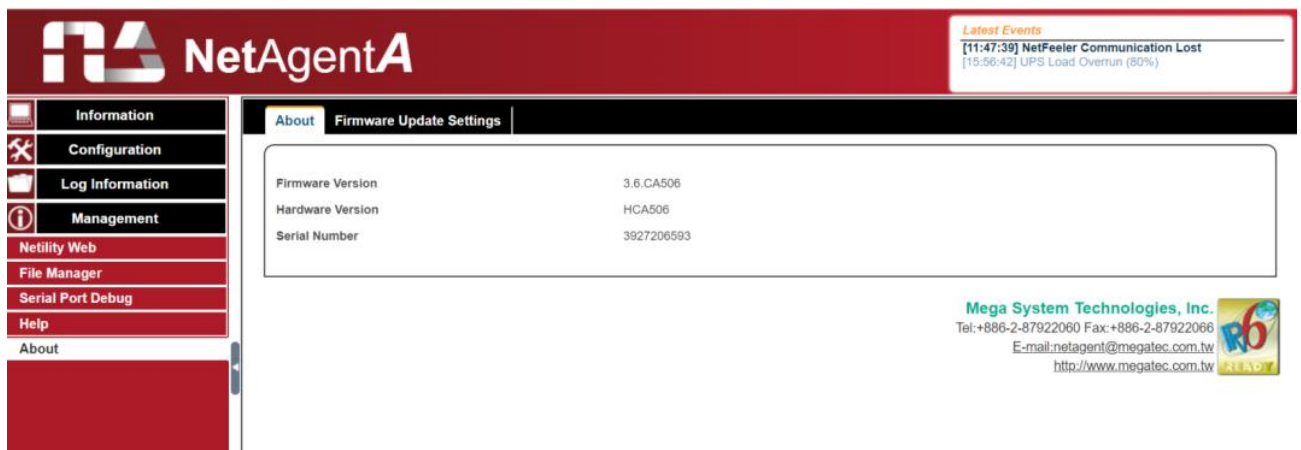
This is to help to illustrate each feature/option that NetAgentA offers



- **Management > About**

- **About**

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



- 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 connects 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.

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

Model	Firmware name	Date
DY520	3.5.DY520_a.zip	23rd November, 2016
DL620	3.5.DL620.zip	23rd November, 2016
CY504	3.5.CY504.zip	23rd November, 2016
BY506	3.5.BY506.zip	23rd November, 2016
DX620	3.5.DX620.zip	23rd November, 2016
CX504	3.5.CX504.zip	
BX506	3.5.BX506.zip	

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