

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





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

The diagram shows a network port with two LEDs: a green LED on the left and a yellow LED on the right. Below the port, there are labels for the green LED: '100M' and '10M' on the left, and '1000M' in the center. Below the yellow LED, there are labels for the yellow LED: '10M' and '1000M' on the right, and '10M' in the center. The green LED is labeled 'Green' and the yellow LED is labeled 'Yellow'.



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

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



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



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

Chapter 3 Software Installation

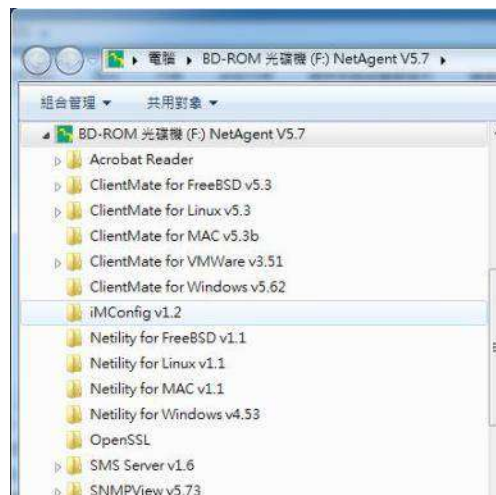
3.1 Software Installation

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' window. On the left is a 'Main Menu' with options: Introduction, Operating System Supported, System Requirements, **Program Installation** (highlighted), View Manuals, Contact Information, and Exit. The main area is titled 'Program Installation' and lists several software options with arrows pointing to descriptive callout boxes:

- Netility**: Configure and Search NetAgentA. Refer to 4.3. (Options: Windows v4.53, Linux v1.1, MAC v1.1, FreeBSD v1.1)
- ClientMate**: Shutdown OS Software. Refer to Chapter 6. (Options: Windows v5.62, Linux v5.3, MAC v5.3b, FreeBSD v5.3, VMWare v3.51)
- SMS Server**: SMS notification Softwar. Refer to Chapter 9. (Options: SNMPView v5.73, SMS Server v1.6, iMConfig v1.2, Time Server)
- SNMPView**: Multi monitoring Software. Refer to Chapter 7.
- Time Server**: Time server software.
- iMConfig**: Muti-configuration Software. Refer to Chapter 8.

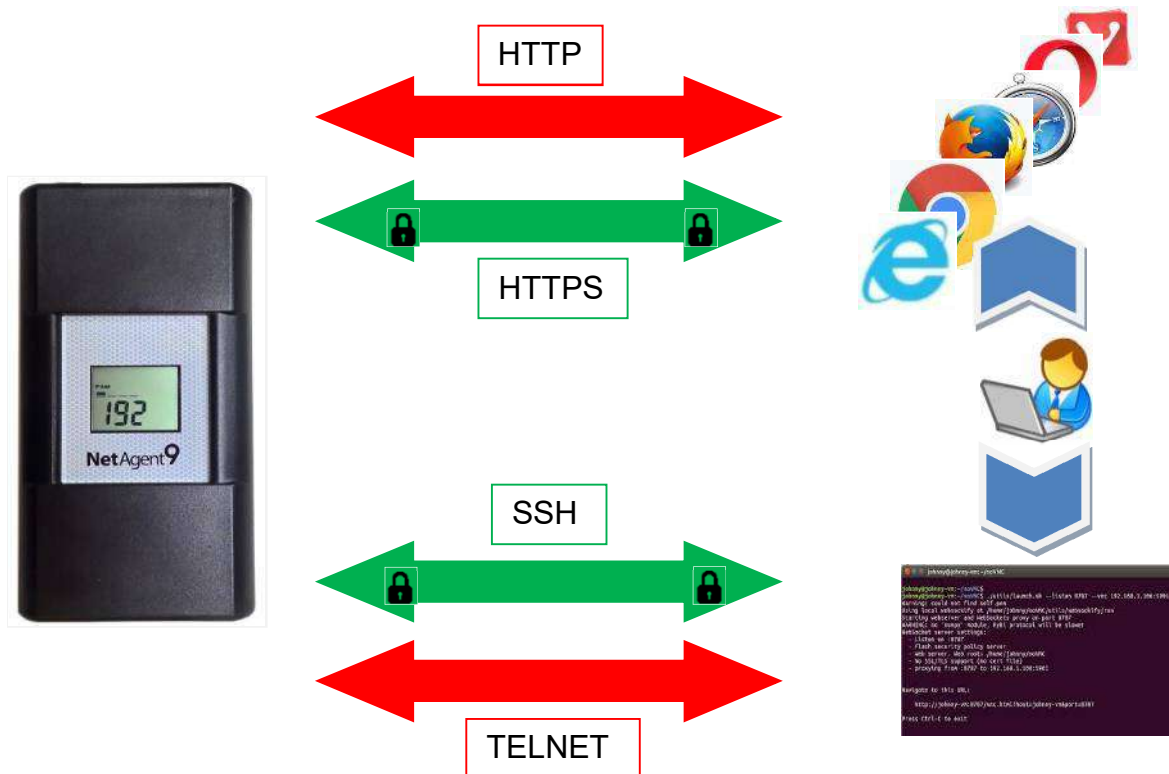
If the PC does not executes CD program automatically, please select from File Management



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

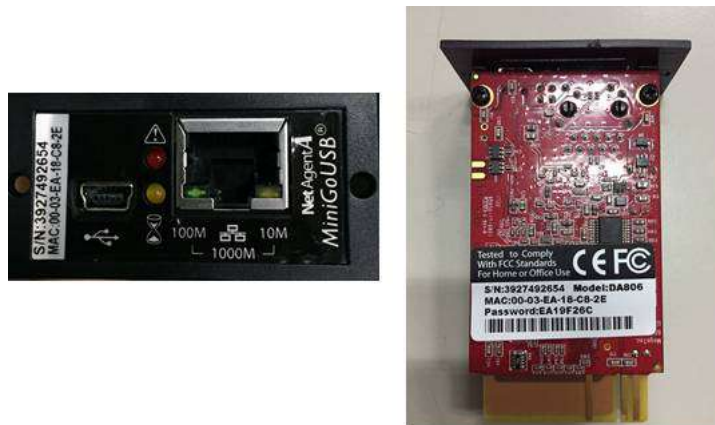
5. Double click NetAgentA from Netility

5. Login via HyperTerminal

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

7. Enter other parameter on NetAgentA webpage

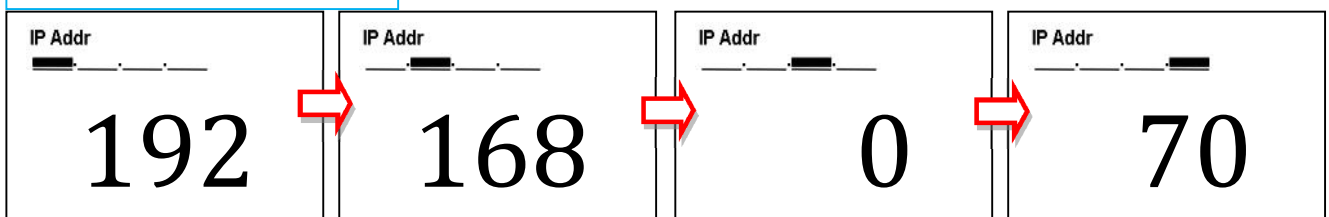
NOTE 1 : Each NetAgentA has its unique serial number / MAC address and Password. This is available on the label of each unit. This helps to identify the card information on Netility



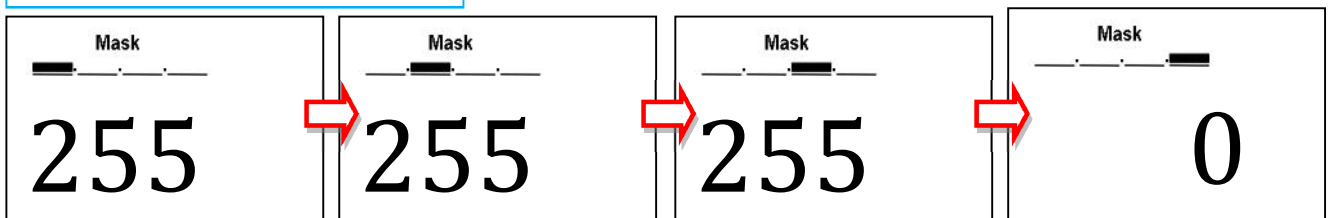
NOTE 2 : NetAgentA with LCD display may obtain the IP info from it.

Example of LCD display format as below

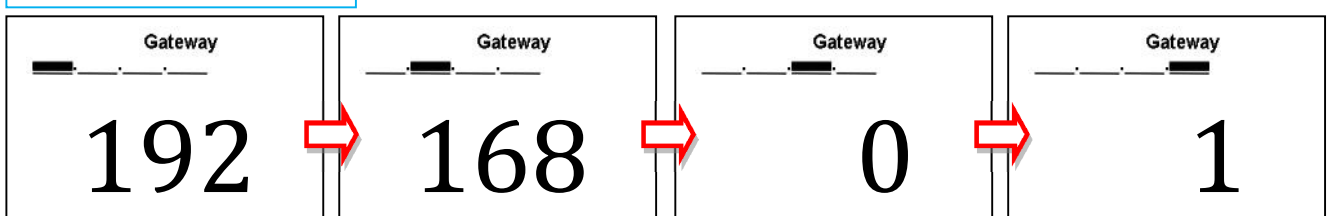
IP address 192.168.0.70



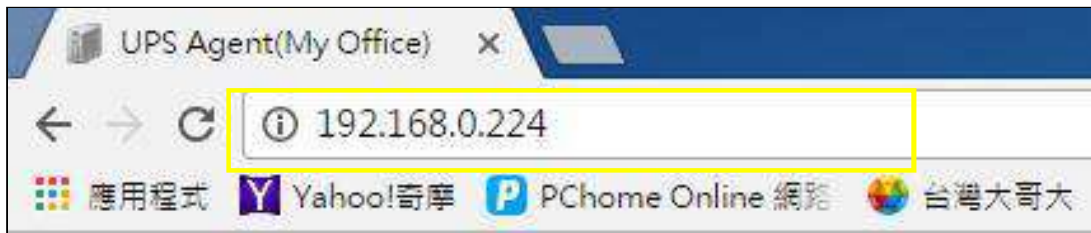
Subnet Mask: 255.255.255.0



Gateway: 192.168.0.1



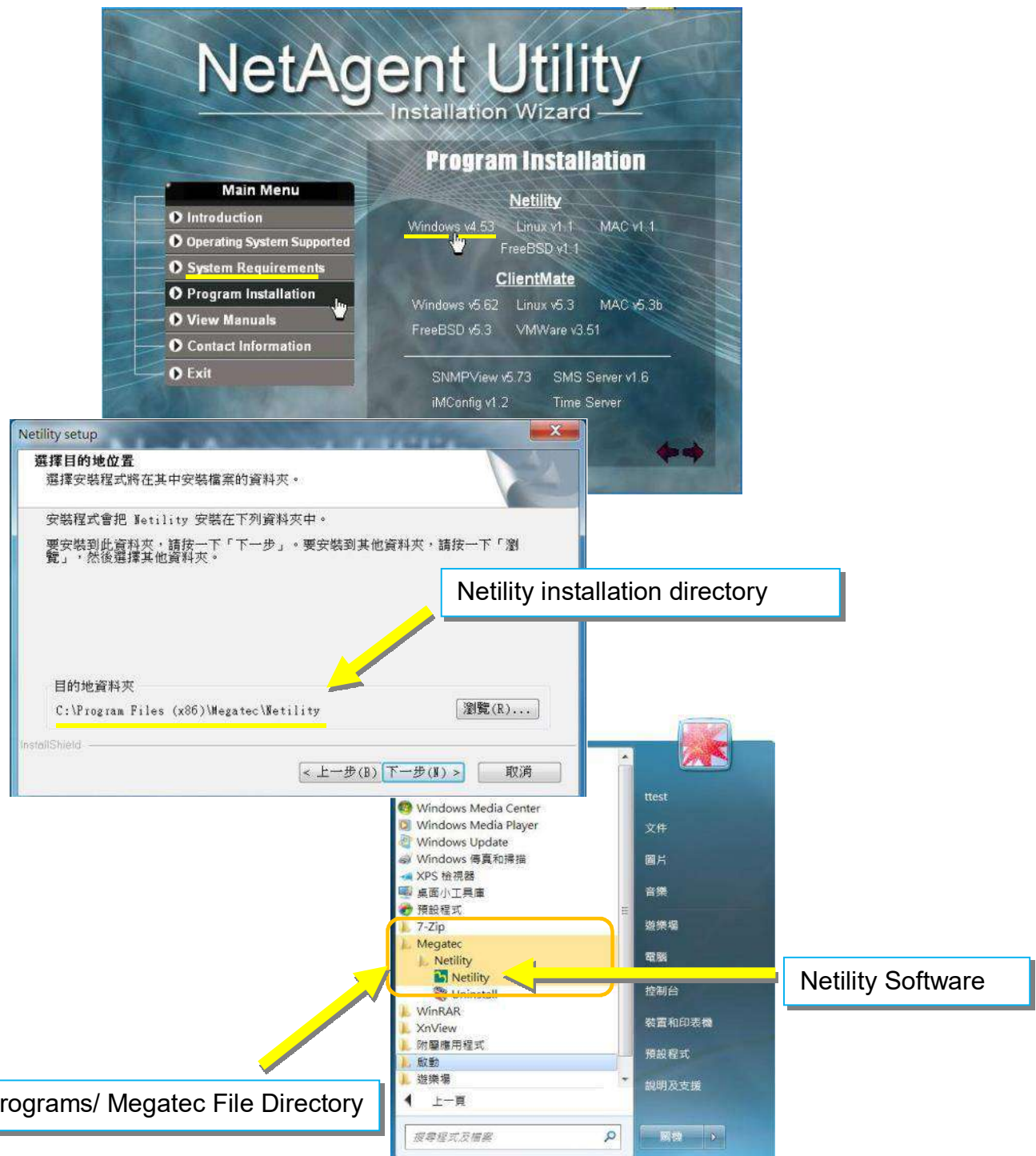
When NetAgentA IP is known, enter such IP address on the browser to login. If non-LCD NetAgentA model, install Netility software to find and configure its IP address.



4.3 Netility Installation and Setting

■ Netility Installation

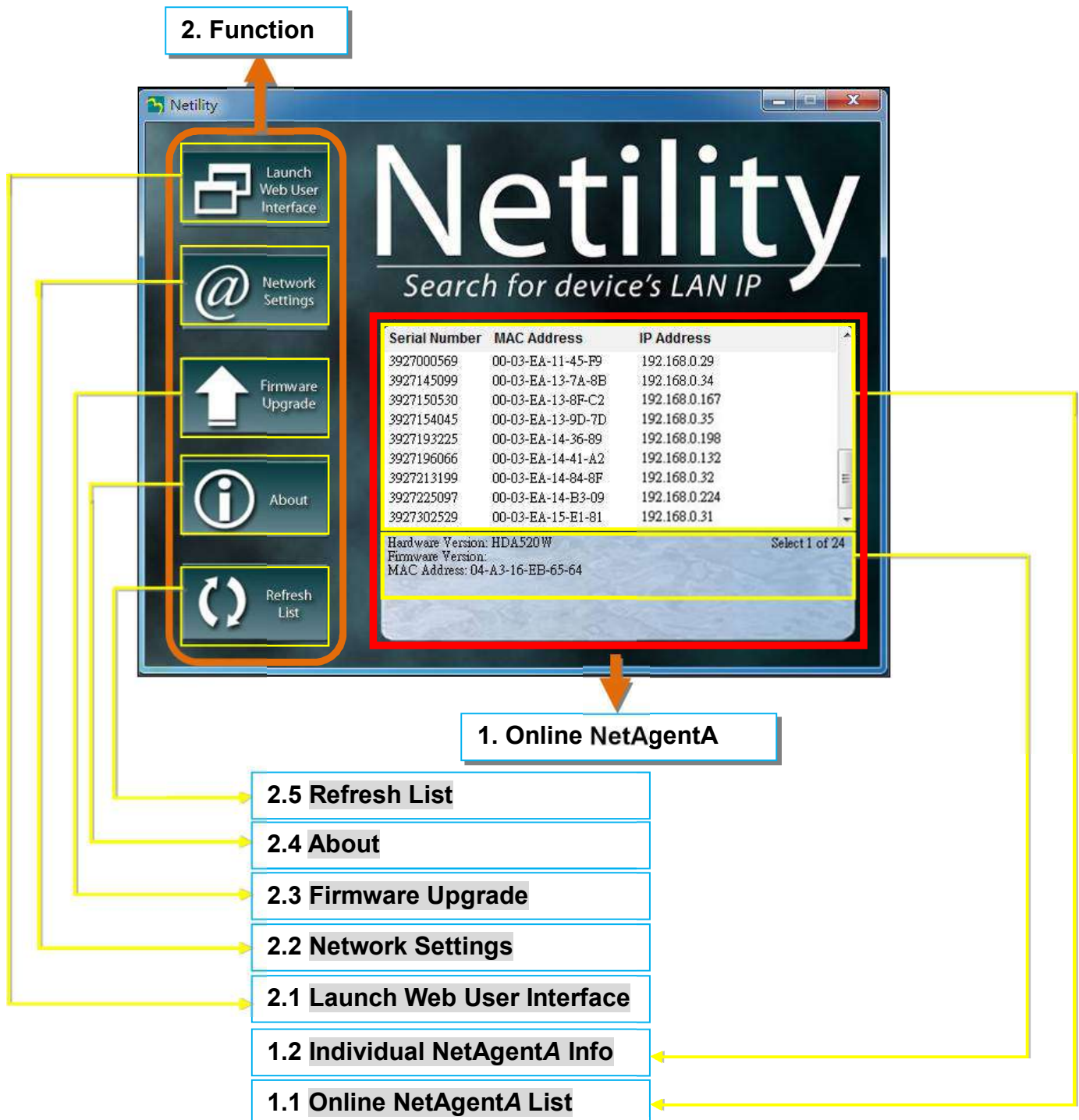
Netility is tool software that helps the user to search all the available NetAgentA within network as well as to configure IP address and firmware upgrade. Mount the NetAgentA Utility CD on CD-ROM and click on Program Installation>Netility>Windows



■ Netility 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 list is refreshed automatically every 2 minutes.

Top Screenshot: The list shows 10 devices. The row with Serial Number 3927225097 and IP Address 192.168.0.224 is highlighted in red. A yellow box highlights the table area. A blue arrow points from this box 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 list shows the same 10 devices. The row with Serial Number 3927225097 and IP Address 192.168.0.224 is highlighted in blue. A yellow arrow points to this row. A text 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 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 software interface. On the left is a sidebar with 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 box highlights the details for the selected device (Serial Number: 3927225097, MAC Address: 00-03-EA-14-B3-09). Below the table, the details are listed: 'Hardware Version: HBY506', 'Firmware Version: 3.5.BY506', and 'MAC Address: 00-03-EA-14-B3-09'. A yellow arrow points from the 'About' button to the details section. Another yellow arrow points from the 'Click on NetAgentA' label to the selected row in the table. A third yellow arrow points from the 'Firmware Version' label to the 'Firmware Version' field in the details. A fourth yellow arrow points from the 'Total Number of NetAgentA found and selected' label to the 'Select 1 of 23' text.

Netility

Search for device's LAN IP

Serial Number	MAC Address	IP Address
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

Click on NetAgentA

Hardware Version

Firmware Version

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

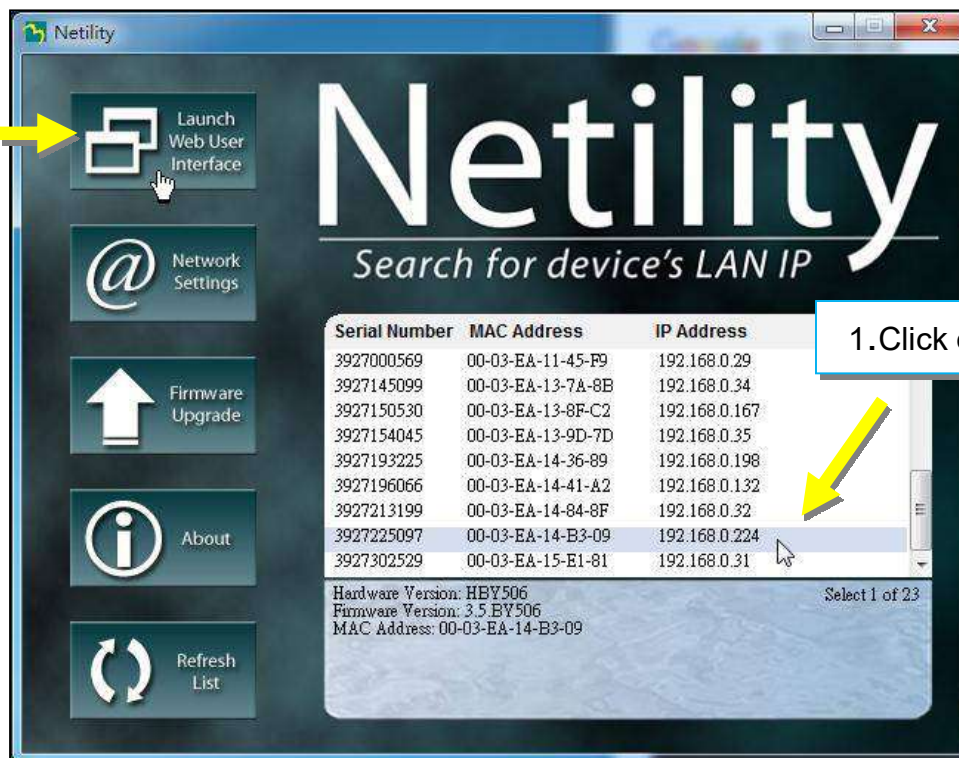
Select 1 of 23

Total Number of NetAgentA found and selected

2.1 Launch Web User Interface

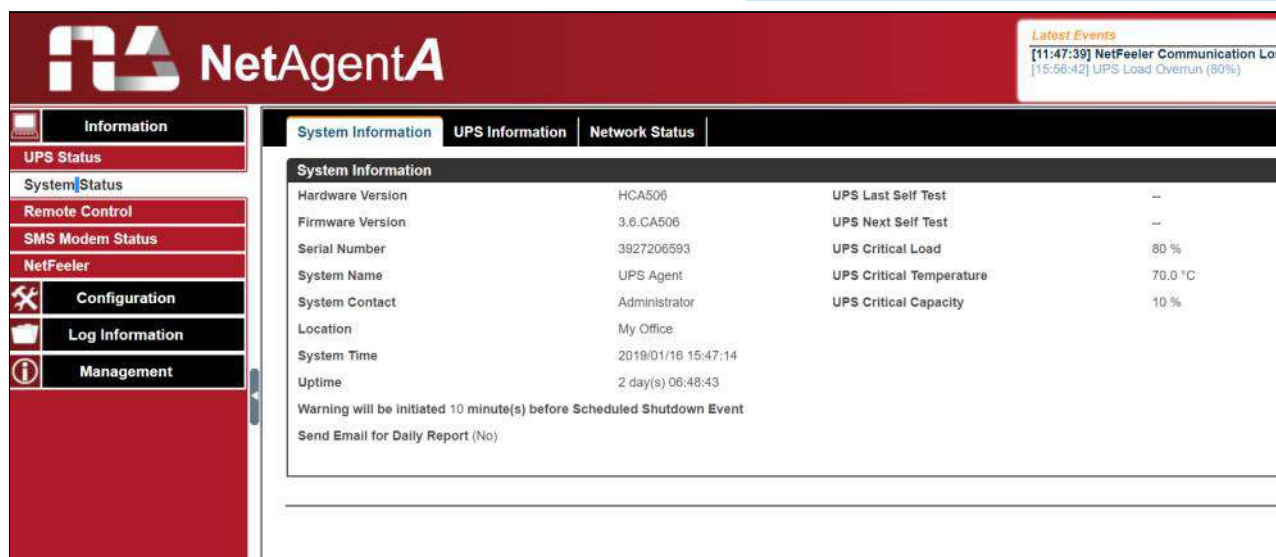
Select specific NetAgentA from the list and click on Launch Web User Interface to login to the NetAgentA's webpage

2. Click on Launch Web User Interface



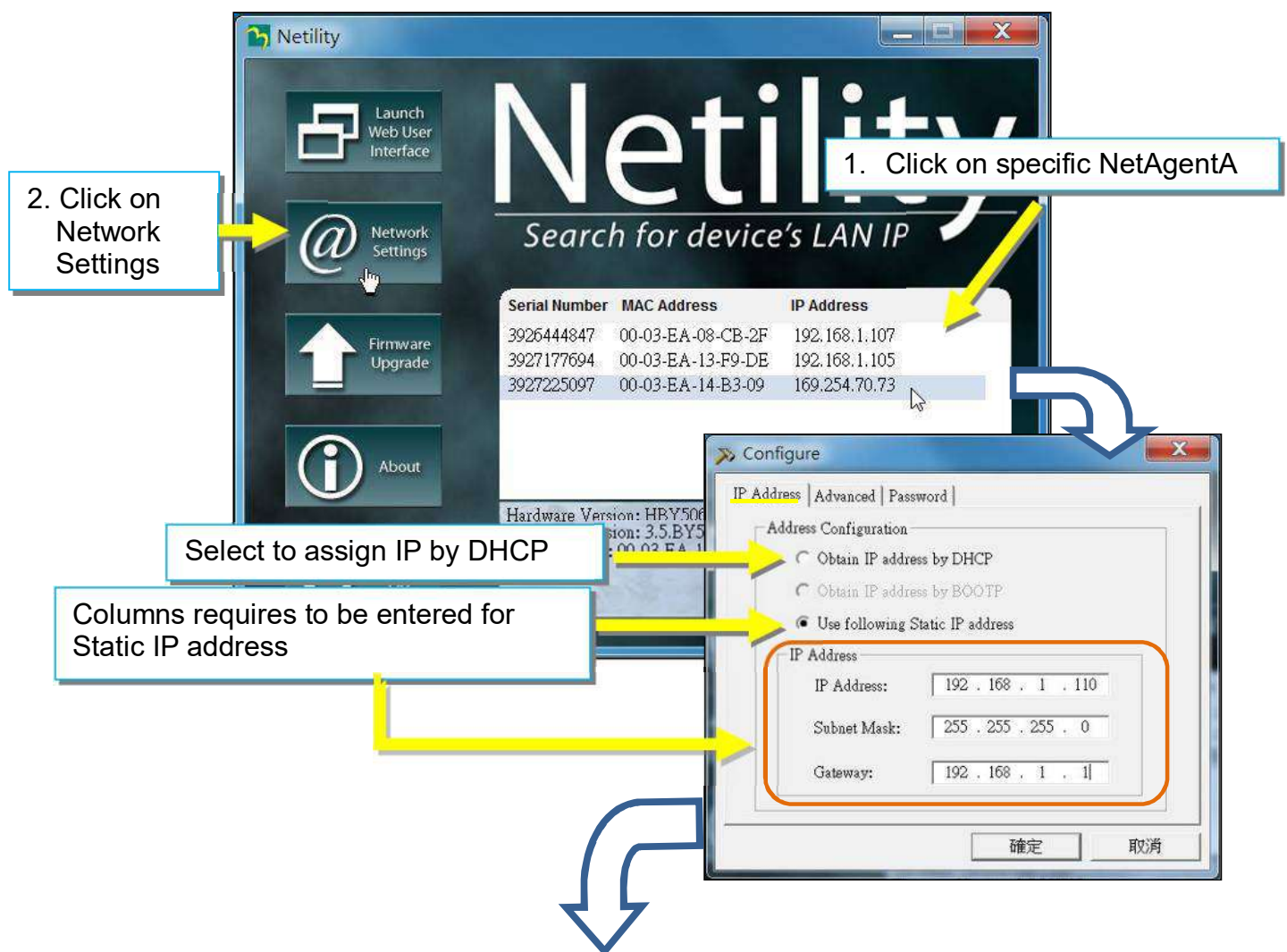
1. Click on NetAgentA

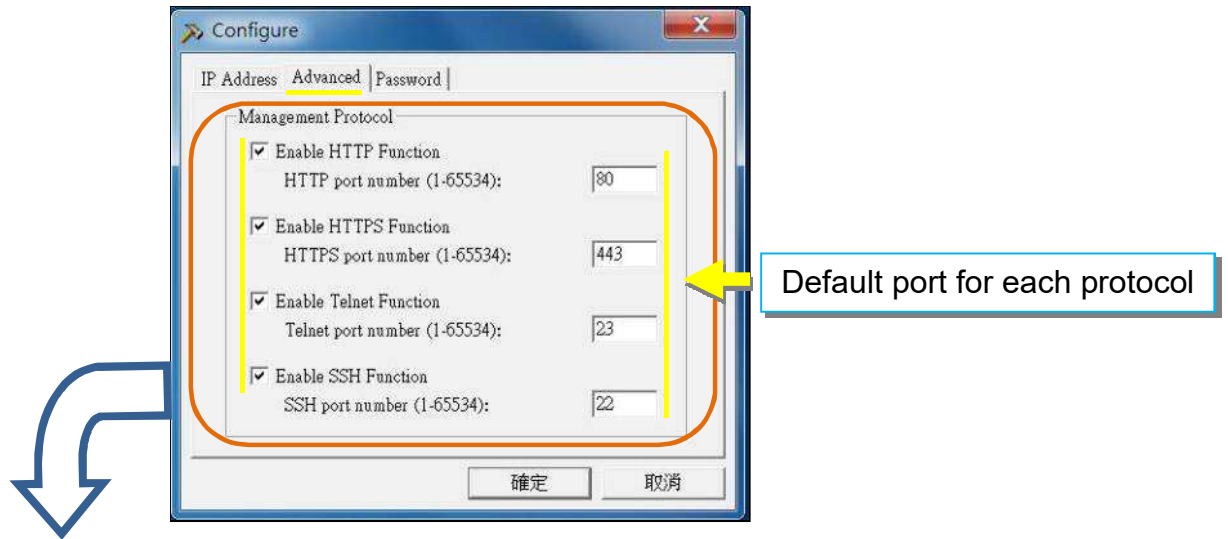
Login to the webpage of such NetAgentA



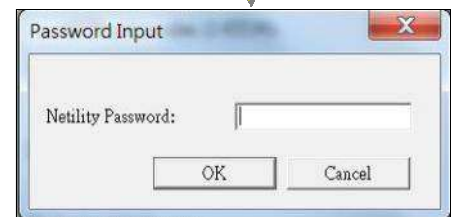
2.2 Network Settings

- 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





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

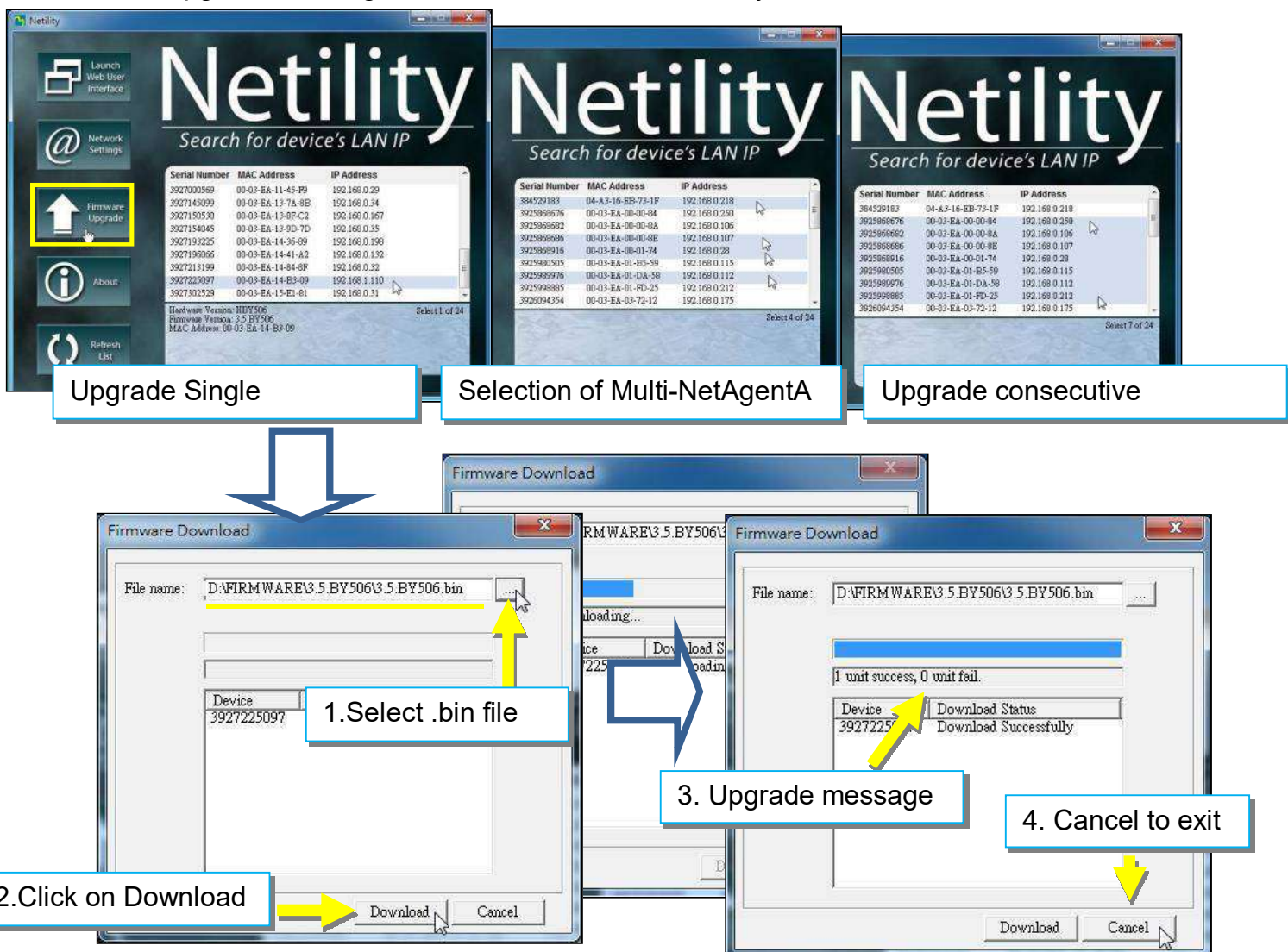


2.3 Firmware Upgrade

- 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.



2.4 About

Here shows the current Netility version



2.5 Refresh List

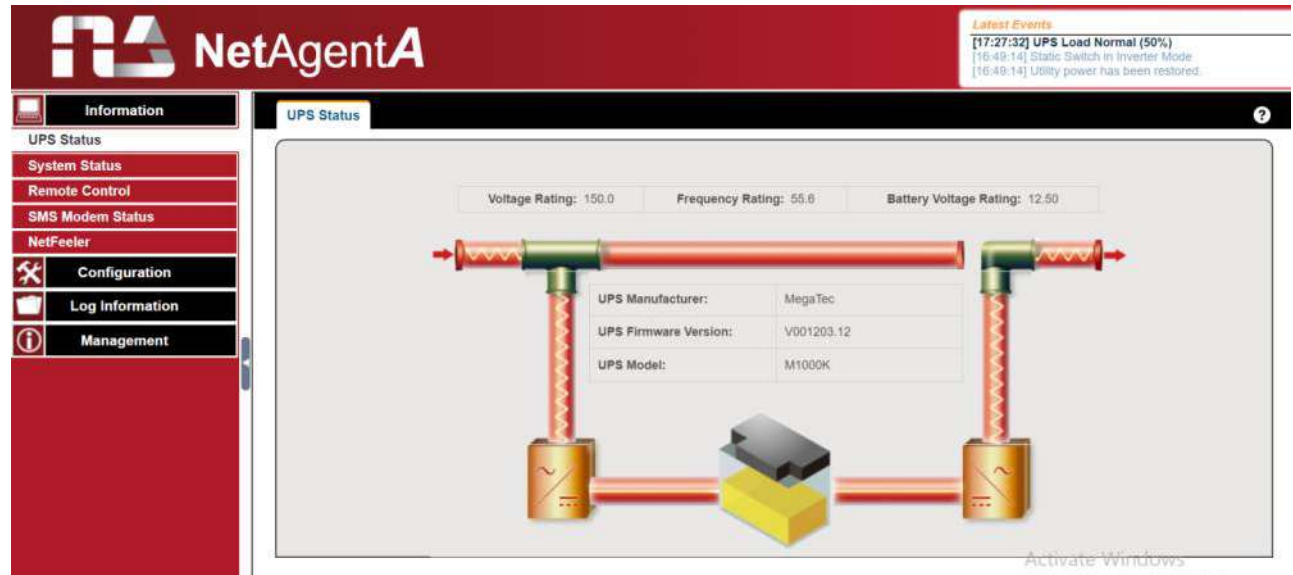
The list on Netility would refresh every 2 minutes automatically, however, manual refresh is also possible by clicking Refresh List



4.4 NetAgentA Web Interface & Setting

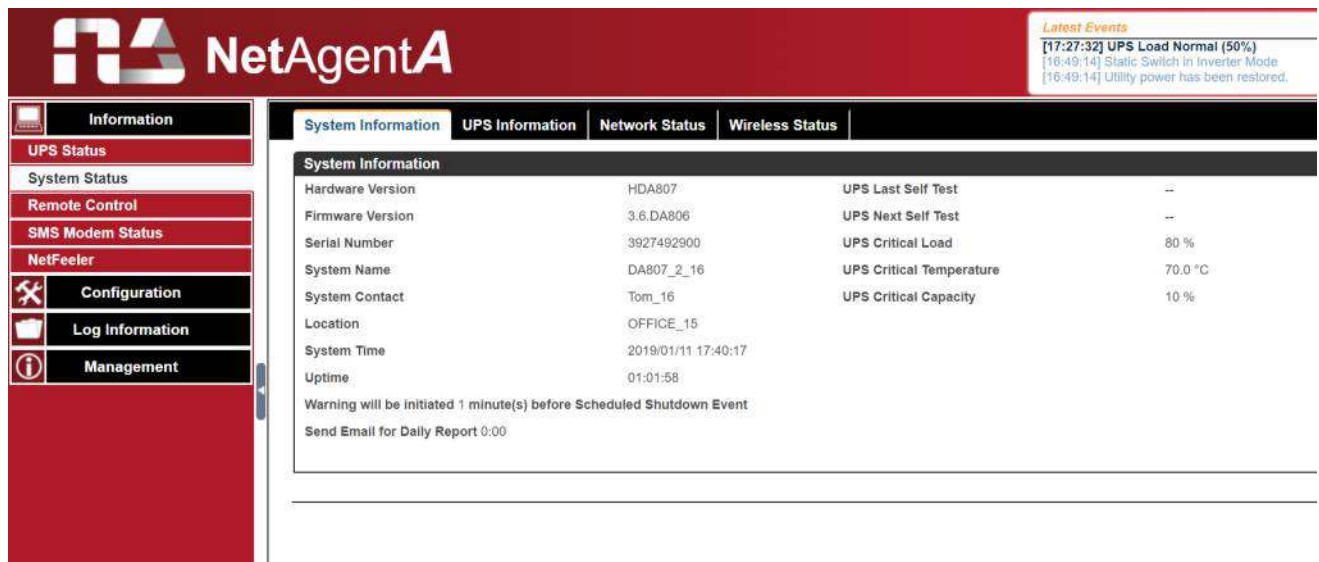
- Information > UPS Status
- **UPS Status**

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



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

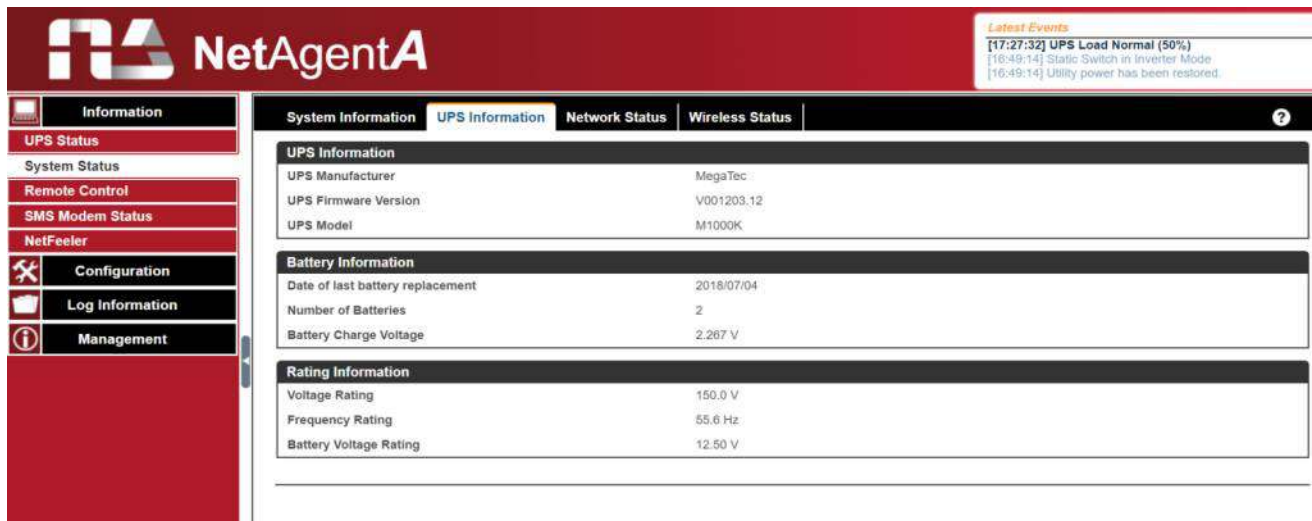
Here shows all the basic information of the NetAgentA such as hardware / firmware version; Serial Number; Uptime...etc.



■ 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 left sidebar contains a menu with 'Information' selected, and sub-items: 'UPS Status', 'System Status', 'Remote Control', 'SMS Modem Status', 'NetFeeler', 'Configuration', 'Log Information', and 'Management'. The main content area has tabs for 'System Information', 'UPS Information' (active), 'Network Status', and 'Wireless Status'. The 'UPS Information' tab displays three sections: 'UPS Information', 'Battery Information', and 'Rating Information'. A 'Latest Events' box in the top right corner shows a log of events.

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

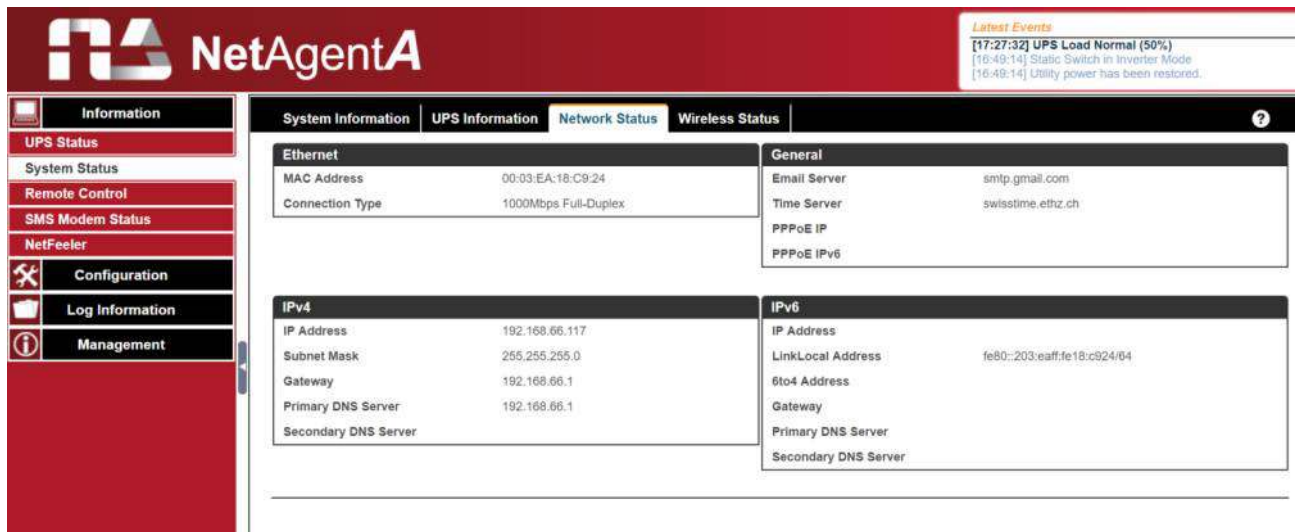
Rating Information	
Voltage Rating	150.0 V
Frequency Rating	55.6 Hz
Battery Voltage Rating	12.50 V

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 the 'Network Status' tab selected. The left sidebar is identical to the previous screenshot. The main content area displays network configuration details for Ethernet, General, IPv4, and IPv6. The 'Latest Events' box is also present in the top right corner.

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	

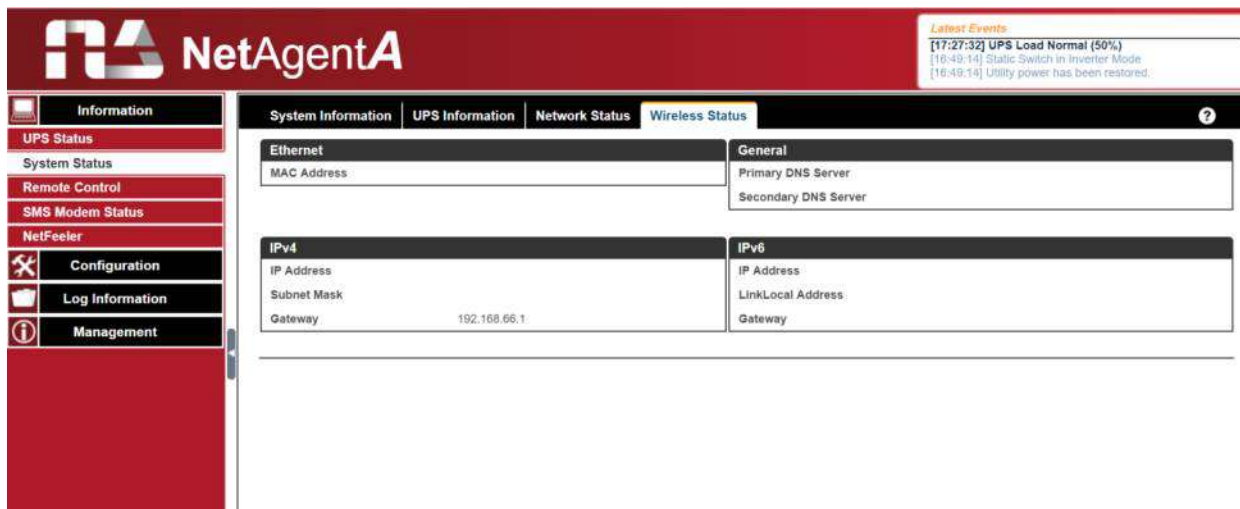
IPv6	
IP Address	
LinkLocal Address	fe80::203:eaff:fe18:c924/64
6to4 Address	
Gateway	
Primary DNS Server	
Secondary DNS Server	

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

• Wirelss Status

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



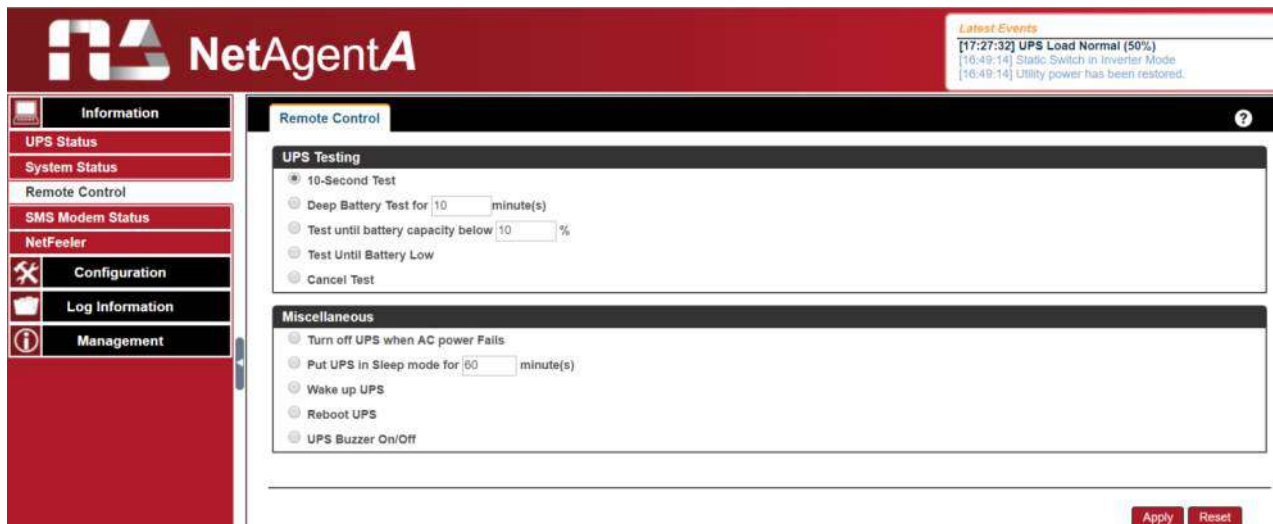
The screenshot shows the NetAgentA web interface with the 'Wireless Status' tab selected. The left sidebar contains a menu with 'Information' (selected), 'UPS Status', 'System Status', 'Remote Control', 'SMS Modem Status', 'NetFeeler', 'Configuration', 'Log Information', and 'Management'. The main content area displays network information in a table format. The 'Ethernet' section shows the MAC Address. The 'General' section shows the Primary and Secondary DNS Servers. The 'IPv4' section shows the IP Address, Subnet Mask, and Gateway (192.168.66.1). The 'IPv6' section shows the IP Address, LinkLocal Address, and Gateway. A 'Latest Events' box in the top right corner displays a log of recent events.

System Information		UPS Information	Network Status	Wireless Status
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		

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 > 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' tab selected. The left sidebar is the same as the previous screenshot. The main content area displays the 'Remote Control' section, which includes 'UPS Testing' and 'Miscellaneous' options. The 'UPS Testing' section has radio buttons for '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 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.

Remote Control

UPS Testing

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

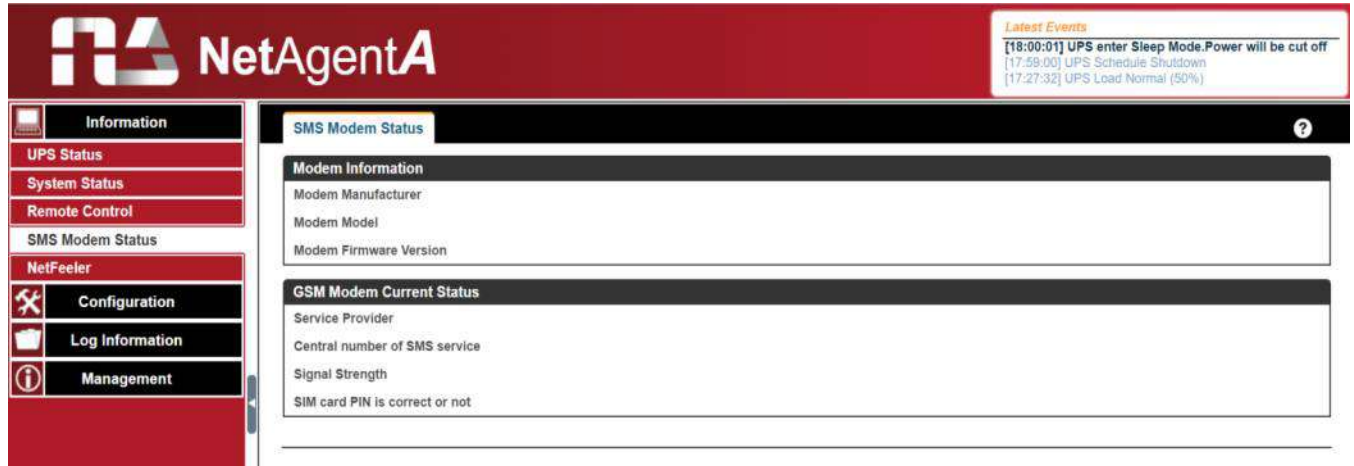
Miscellaneous

- ☐ Turn off UPS when AC power Fails
- ☐ Put UPS in Sleep mode for 60 minute(s)
- ☐ Wake up UPS
- ☐ Reboot UPS
- ☐ UPS Buzzer On/Off

Apply **Reset**

■ Information > SMS Modem Status

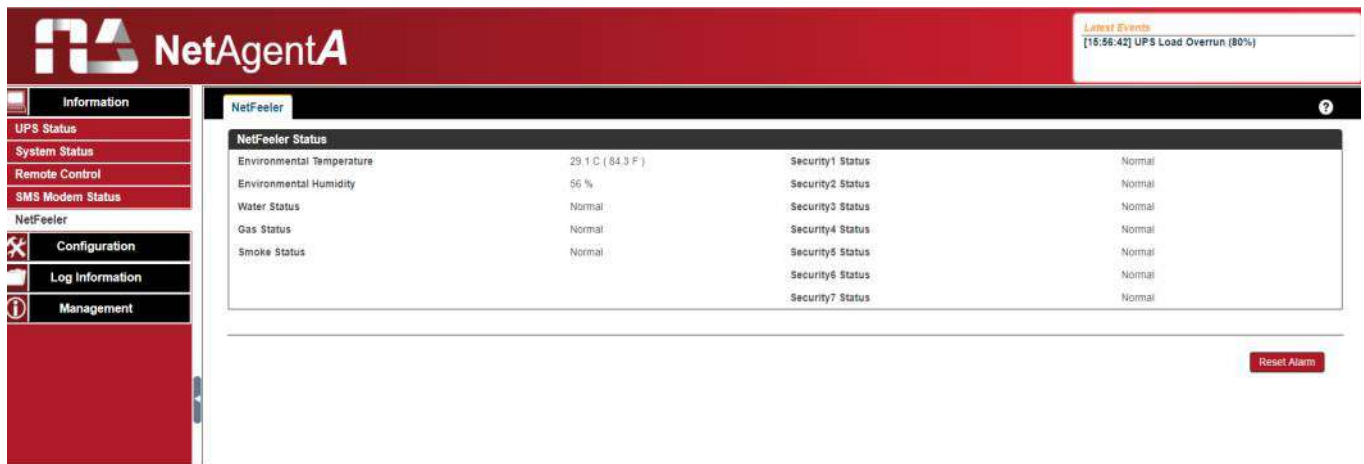
This page shows the Modem status when GPRS modem is connecting with NetAgentA



The screenshot shows the NetAgentA web interface. The top header is red with the NetAgentA logo. A 'Latest Events' box in the top right corner displays 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%)'. The left sidebar contains a menu with 'Information' selected, and sub-items: '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' with fields for 'Modem Manufacturer', 'Modem Model', and 'Modem Firmware Version'; and 'GSM Modem Current Status' with fields for 'Service Provider', 'Central number of SMS service', 'Signal Strength', and 'SIM card PIN is correct or not'.

■ 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 web interface for the 'NetFeeler' section. The top header is red with the NetAgentA logo. A 'Latest Events' box in the top right corner displays one event: '[15:56:42] UPS Load Overrun (80%)'. The left sidebar is the same as the previous screenshot, with 'Information' selected. The main content area is titled 'NetFeeler' and contains a 'NetFeeler Status' table. The table has two columns: 'Status' and 'Value'. The rows are: 'Environmental Temperature' (29.1 C (84.3 F)), 'Environmental Humidity' (96 %), 'Water Status' (Normal), 'Gas Status' (Normal), 'Smoke Status' (Normal), 'Security1 Status' (Normal), 'Security2 Status' (Normal), 'Security3 Status' (Normal), 'Security4 Status' (Normal), 'Security5 Status' (Normal), 'Security6 Status' (Normal), and 'Security7 Status' (Normal). A 'Reset Alarm' button is located at the bottom right of the main content area.

■ 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

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

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%)

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

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

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%)

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(%) :

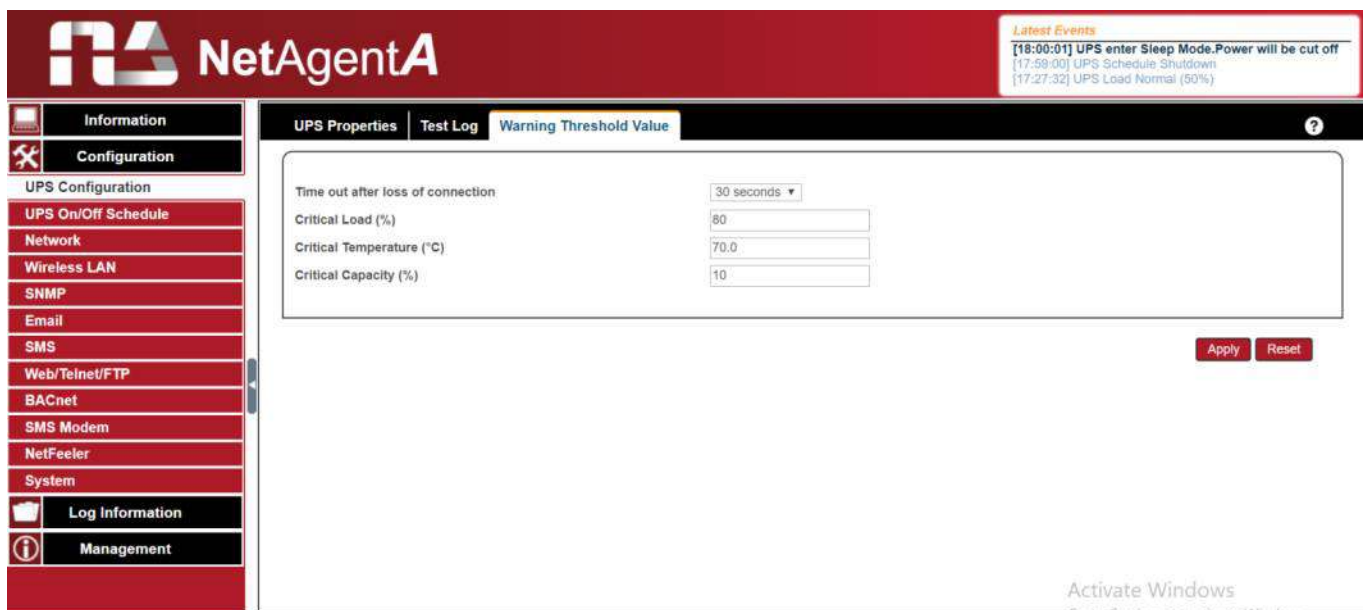
When loading reaches at this % configured, NetAgentA will send warning alarm

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

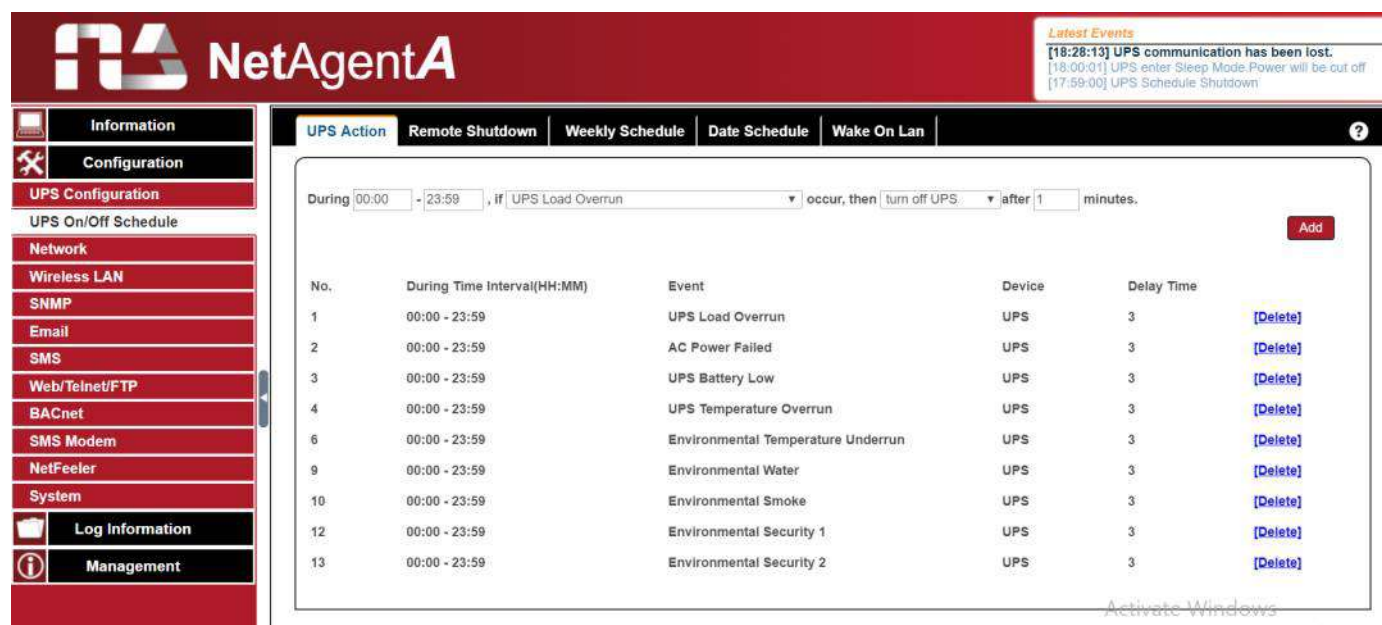


The screenshot shows the NetAgentA web interface. The left sidebar contains a menu with 'Configuration' selected, and 'UPS Configuration' expanded. The main panel is titled 'Warning Threshold Value' and contains four input fields: 'Time out after loss of connection' (30 seconds), 'Critical Load (%)' (80), 'Critical Temperature (°C)' (70.0), and 'Critical Capacity (%)' (10). There are 'Apply' and 'Reset' buttons at the bottom right. A 'Latest Events' box in the top right corner shows recent status changes. An 'Activate Windows' watermark is visible at the bottom right.

- **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 for the 'UPS Action' configuration. The left sidebar is the same as the previous screen. The main panel has tabs for 'UPS Action', 'Remote Shutdown', 'Weekly Schedule', 'Date Schedule', and 'Wake On Lan'. The 'UPS Action' tab is active, showing a configuration rule: 'During 00:00 - 23:59, if UPS Load Overrun occur, then turn off UPS after 1 minutes.' Below this is a table of configured actions.

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

An 'Add' button is located at the top right of the table. A 'Latest Events' box is in the top right corner, and an 'Activate Windows' watermark is at the bottom right.

• 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. (Telnet Server must be enabled on the PC)

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.

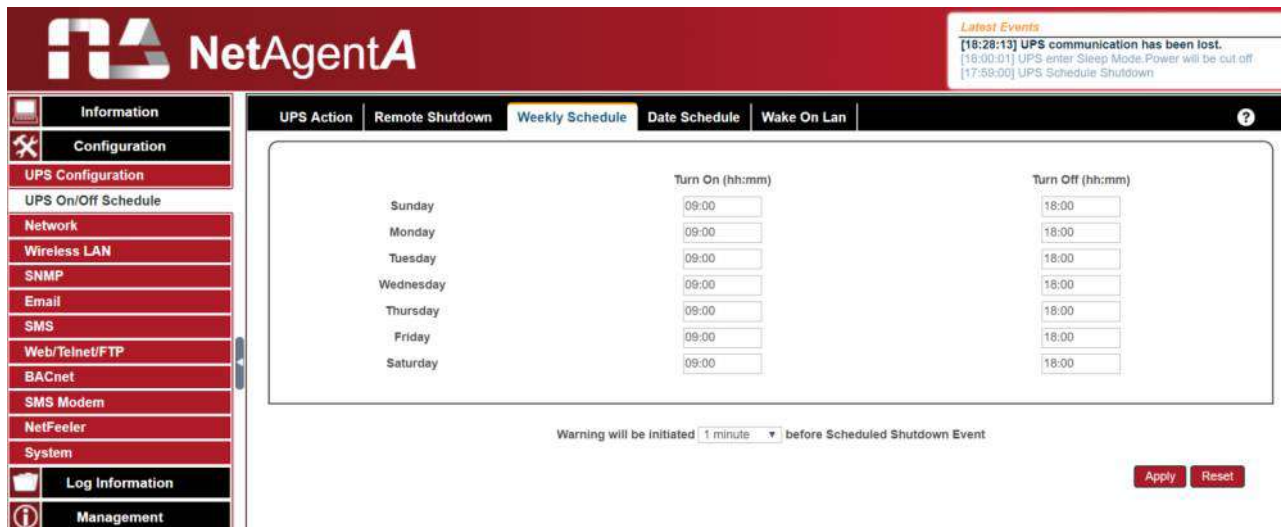
Once action is added, go to Remote Shutdown tab, enter the domain IP for Host 1 and Host 2, select Telnet or SSH for access and then enter the user name/password of the server with its shutdown command of the server. For Windows, “shutdown /s” is the shutdown command. For Linux, “halt” is the command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



The screenshot shows the NetAgentA web interface with the 'Weekly Schedule' tab selected. The left sidebar contains a navigation menu with options like Information, Configuration, UPS Configuration, Network, Wireless LAN, SNMP, Email, SMS, Web/Telnet/FTP, BACnet, SMS Modem, NetFeeler, System, Log Information, and Management. The main content area displays a table for setting turn on and turn off times for each day of the week. The 'Turn On (hh:mm)' column has values of 09:00 for all days, and the 'Turn Off (hh:mm)' column has values of 18:00 for all days. Below the table, there is a dropdown menu for 'Warning will be initiated' set to '1 minute' before the scheduled shutdown event. At the bottom right, there are 'Apply' and 'Reset' buttons.

	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

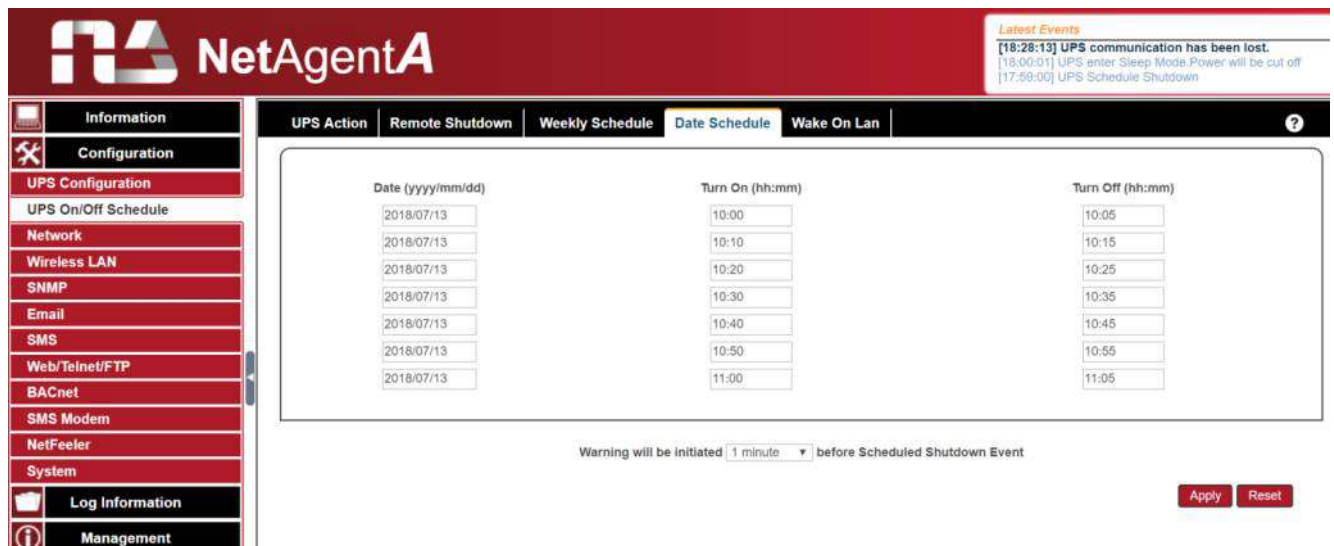
- Date Schedule**

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.



The screenshot shows the NetAgentA web interface with the 'Date Schedule' tab selected. The left sidebar is the same as in the previous screenshot. The main content area displays a table for setting turn on and turn off times for specific dates. The 'Date (yyyy/mm/dd)' column has values of 2018/07/13 for all rows. The 'Turn On (hh:mm)' column has values of 10:00, 10:10, 10:20, 10:30, 10:40, 10:50, and 11:00. The 'Turn Off (hh:mm)' column has values of 10:05, 10:15, 10:25, 10:35, 10:45, 10:55, and 11:05. Below the table, there is a dropdown menu for 'Warning will be initiated' set to '1 minute' before the scheduled shutdown event. At the bottom right, there are 'Apply' and 'Reset' buttons.

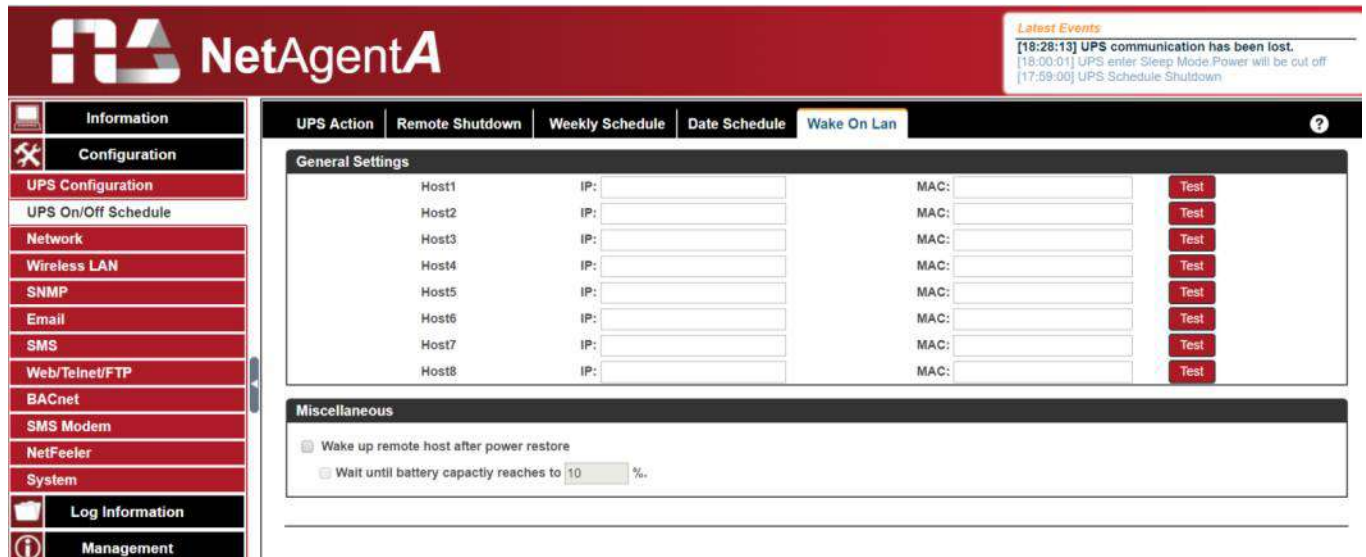
Date (yyyy/mm/dd)	Turn On (hh:mm)	Turn Off (hh:mm)
2018/07/13	10:00	10:05
2018/07/13	10:10	10:15
2018/07/13	10:20	10:25
2018/07/13	10:30	10:35
2018/07/13	10:40	10:45
2018/07/13	10:50	10:55
2018/07/13	11:00	11:05

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.



The screenshot shows the NetAgentA web interface. The left sidebar contains a menu with 'Configuration' expanded, showing options like '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 has tabs for 'UPS Action', 'Remote Shutdown', 'Weekly Schedule', 'Date Schedule', and 'Wake On Lan'. The 'Wake On Lan' tab is active, showing a 'General Settings' section with a table for configuring eight hosts (Host1 to Host8). Each host has input fields for IP and MAC addresses, and a 'Test' button. Below this is a 'Miscellaneous' section with checkboxes for 'Wake up remote host after power restore' and 'Wait until battery capacity reaches to 10 %'.

Host	IP	MAC	Action
Host1			Test
Host2			Test
Host3			Test
Host4			Test
Host5			Test
Host6			Test
Host7			Test
Host8			Test

Miscellaneous

☐ Wake up remote host after power restore

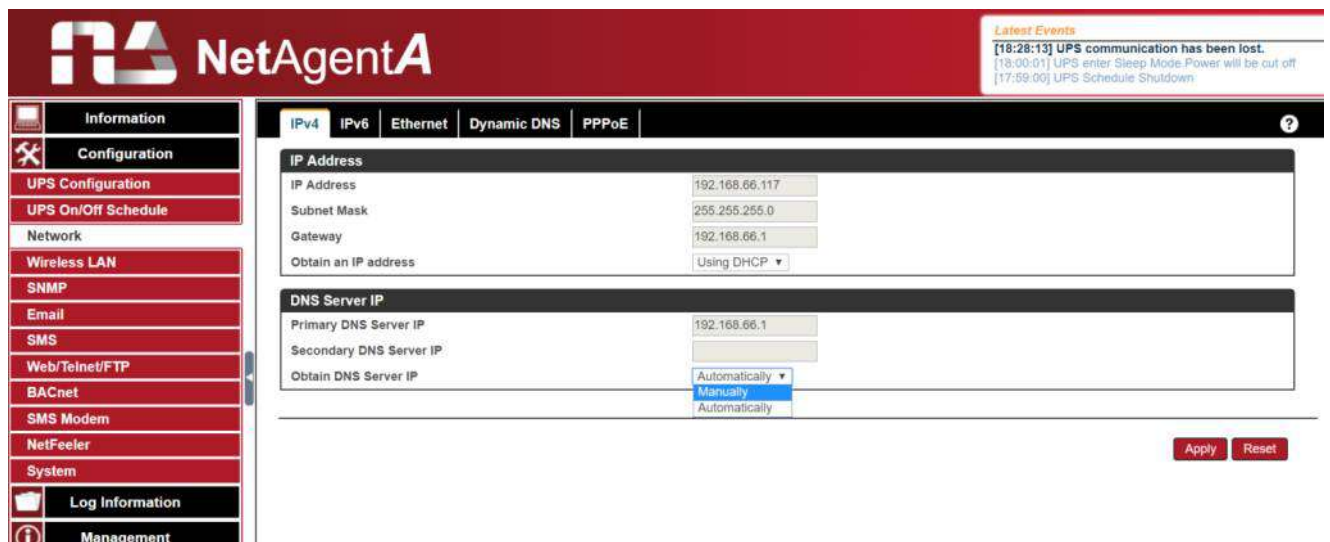
☐ Wait until battery capacity reaches to 10 %

- **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



The screenshot shows the NetAgentA web interface for the 'IPv4' configuration page. The left sidebar is the same as the previous page. The main content area has tabs for 'IPv4', 'IPv6', 'Ethernet', 'Dynamic DNS', and 'PPPoE'. The 'IPv4' tab is active, showing 'IP Address' settings with input fields for IP Address (192.168.66.117), Subnet Mask (255.255.255.0), and Gateway (192.168.66.1). There is a dropdown for 'Obtain an IP address' set to 'Using DHCP'. Below this is the 'DNS Server IP' section with input fields for Primary DNS Server IP (192.168.66.1) and Secondary DNS Server IP. A dropdown for 'Obtain DNS Server IP' is set to 'Automatically'. At the bottom right are 'Apply' and 'Reset' buttons.

IP Address

IP Address: 192.168.66.117

Subnet Mask: 255.255.255.0

Gateway: 192.168.66.1

Obtain an IP address: Using DHCP

DNS Server IP

Primary DNS Server IP: 192.168.66.1

Secondary DNS Server IP:

Obtain DNS Server IP: Automatically

Apply Reset

- **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

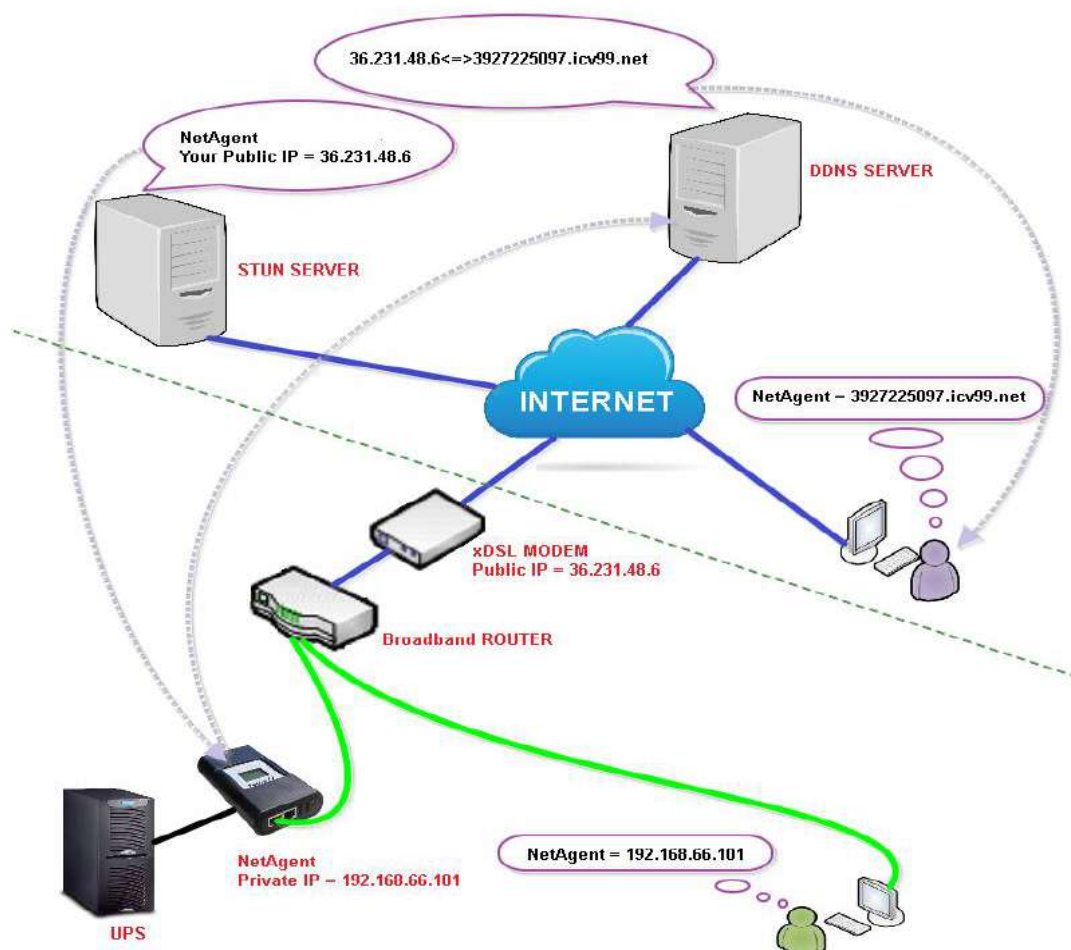
This is the Login / Account name that you have created with the selected DDNS provider.

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.

NetAgentA

Latest Events
There is no latest Event.

Information
Configuration
Network
SMS
Web/Telnet/FTP
BACnet
SMS Modem
NetFeeler
System
Log Information
Management

IPv4 | IPv6 | Ethernet | **Dynamic DNS** | PPPoE

Service Provider: None (Selected: icv99.net)

Domain Name: [Auto-filled]

Login Name: [Auto-filled]

Login Password: [Enter password]

Use external STUN server to get Public IP to register: No

Primary STUN Server IP: 211.21.67.53

Secondary STUN Server IP: [Empty]

3. Click Apply

Apply Reset

Activate Windows

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	IP Address	Port	Traffic Type	Schedule
BY506	192.168.66.101	Public Port: 80 Private Port: 80	Protocol: TCP	Always

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

The screenshot shows the NetAgentA web interface. The top navigation bar includes 'Information', 'System Information', 'UPS Information', and 'Network Status'. The left sidebar lists various functions like 'UPS Status', 'System Status', 'Remote Control', 'SMS Modem Status', 'NetFeeler', 'Configuration', 'Log Information', and 'Management'. The main content area displays 'System Information' with 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 (01:13:46). Below this, there's a 'Dynamic Domain Name Server (DDNS)' section with a diagram illustrating the connection between a Remote Viewer, iDSL Router, and IP Camera. A yellow box highlights the 'Sign In' button on the DDNS page. A yellow arrow points from the 'Sign In' button to the 'Done' button on the registration page below.

Latest Events

- [10:49:51] Connection with time server failed.
- [08:49:03] Connection with time server failed.
- [07:48:35] UPS communication has been lost.

System Information

Hardware Version	HDA806	UPS Last Self Test	--
Firmware Version	3.6.DA806.VTs	UPS Next Self Test	--
Serial Number	3927492545	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 08:16:14		
Uptime	01:13:46		

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

Dynamic Domain Name Server (DDNS)

Domain Name: 2927225097.icv99.net
Domain Password:
Sign In
Activate
Lost/Forget DDNS Password

Note: If you are experiencing problems when using IE8 on Win7, please make sure to install the latest updates from Microsoft.

The screenshot shows the 'Dynamic Domain Name Server (DDNS)' registration page. It has a 'Logout' link in the top right corner. The page is divided into two steps: 'Step1 : Registration' and 'Step2 : Set Domain Name and Click Done'. The registration form includes fields for Product Serial number, Register IP, Default Domain Name, Set New Domain Name, Domain Password, Re-enter Password, and E-mail address. A yellow box highlights the 'Set New Domain Name' field, which contains 'bty505'. A yellow arrow points from the 'Sign In' button in the previous screenshot to the 'Done' button on this page. Annotations with arrows point to the 'Set New Domain Name' field (labeled 'New Domain name'), the 'Domain Password' field (labeled 'Enter new password'), the 'E-mail address' field (labeled 'Enter email'), and the 'Done' button (labeled 'Click on Done').

Dynamic Domain Name Server (DDNS) Logout

Step1 : Registration Step2 : Set Domain Name and Click Done

Product Serial number	3927225097
Register IP	127.0.0.1
Default Domain Name	3927225097.icv99.net

Set New Domain Name: bty505.icv99.net
Must be 4 to 31 letters or digits.

Domain Password:
Re-enter Password:
* 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).

E-mail address: ttc@gmail.com
Required field. Used to retrieve Lost/Forget password.

Done

New Domain name

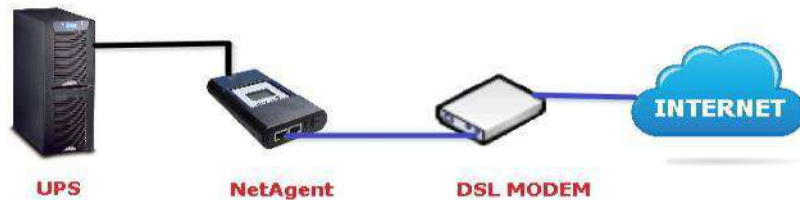
Enter new password

Enter email

Click on Done

- **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



NetAgentA

Latest Events
There is no latest Event.

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

IPv4 IPv6 Ethernet Dynamic DNS **PPPoE**

When Connection should be made: **Select Connect Always** (Connect always)

Login Name: **Enter Login Name**

Login Password: **Enter Password**

Apply Reset

Activate Windows
Go to Settings to activate Windows.

■ Configuration > Wireless LAN

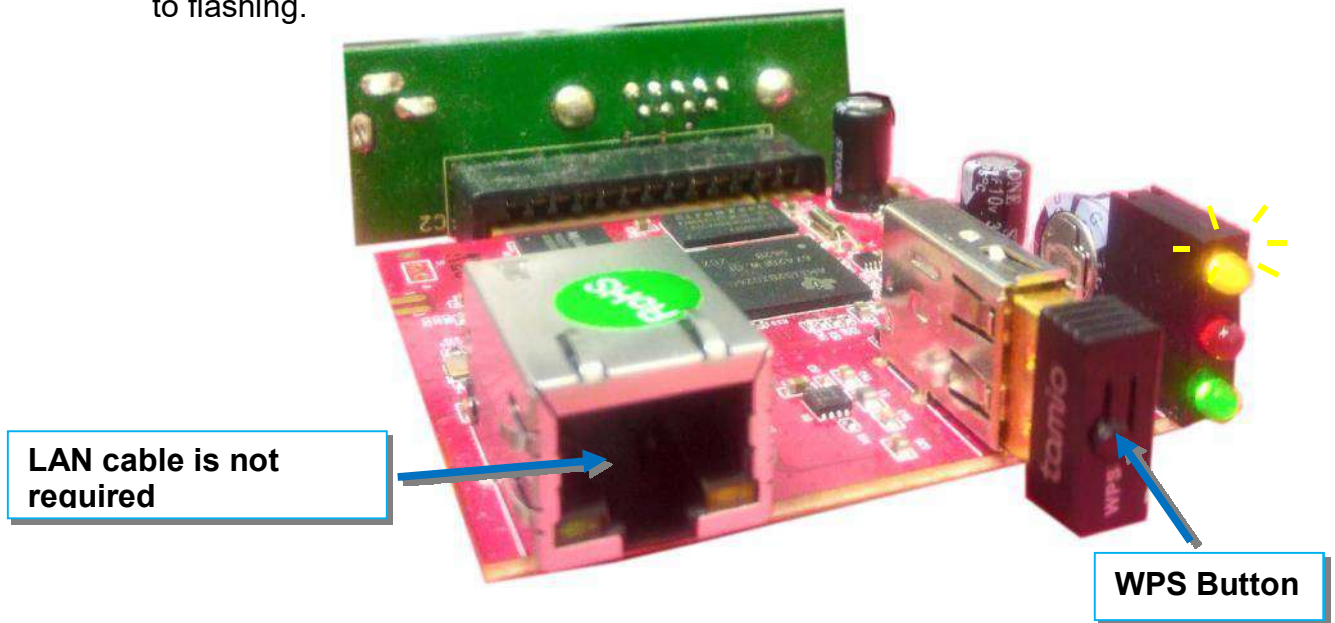
This is to configure NetAgent4 Wireless network with compatible USB wireless dongle.

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.

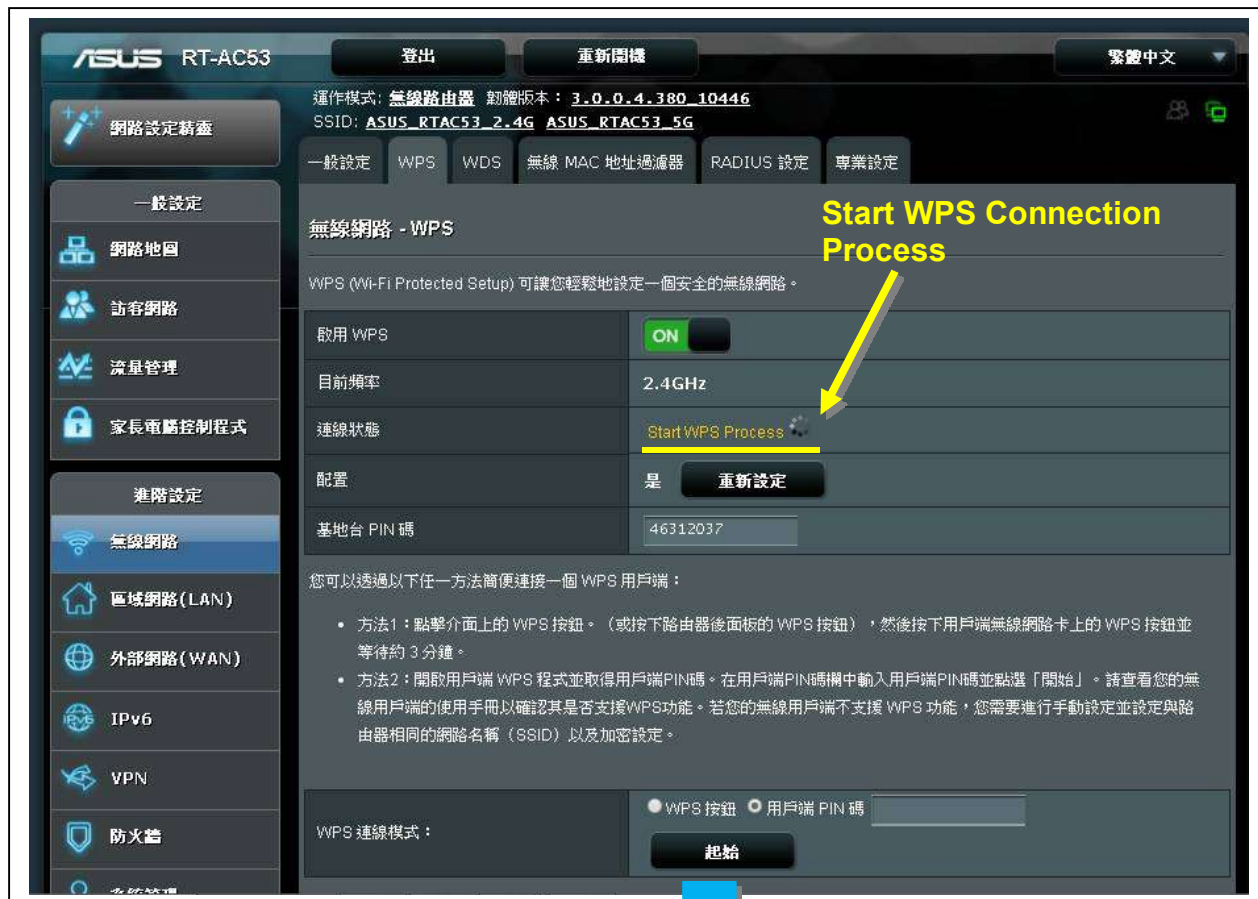


WPS Setting for the wireless router :

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

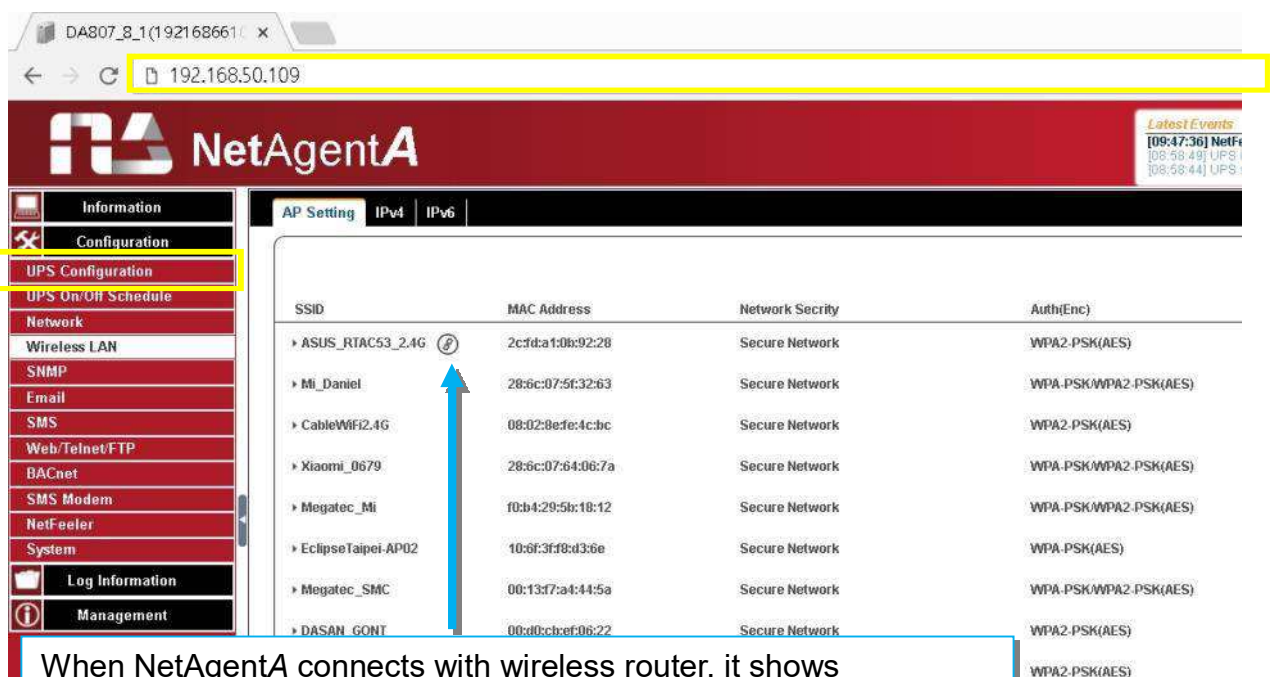
- (1) Select "**WPS button**"
- (2) Click on "**Start**"






Open up Netility to login to NetAgentA :

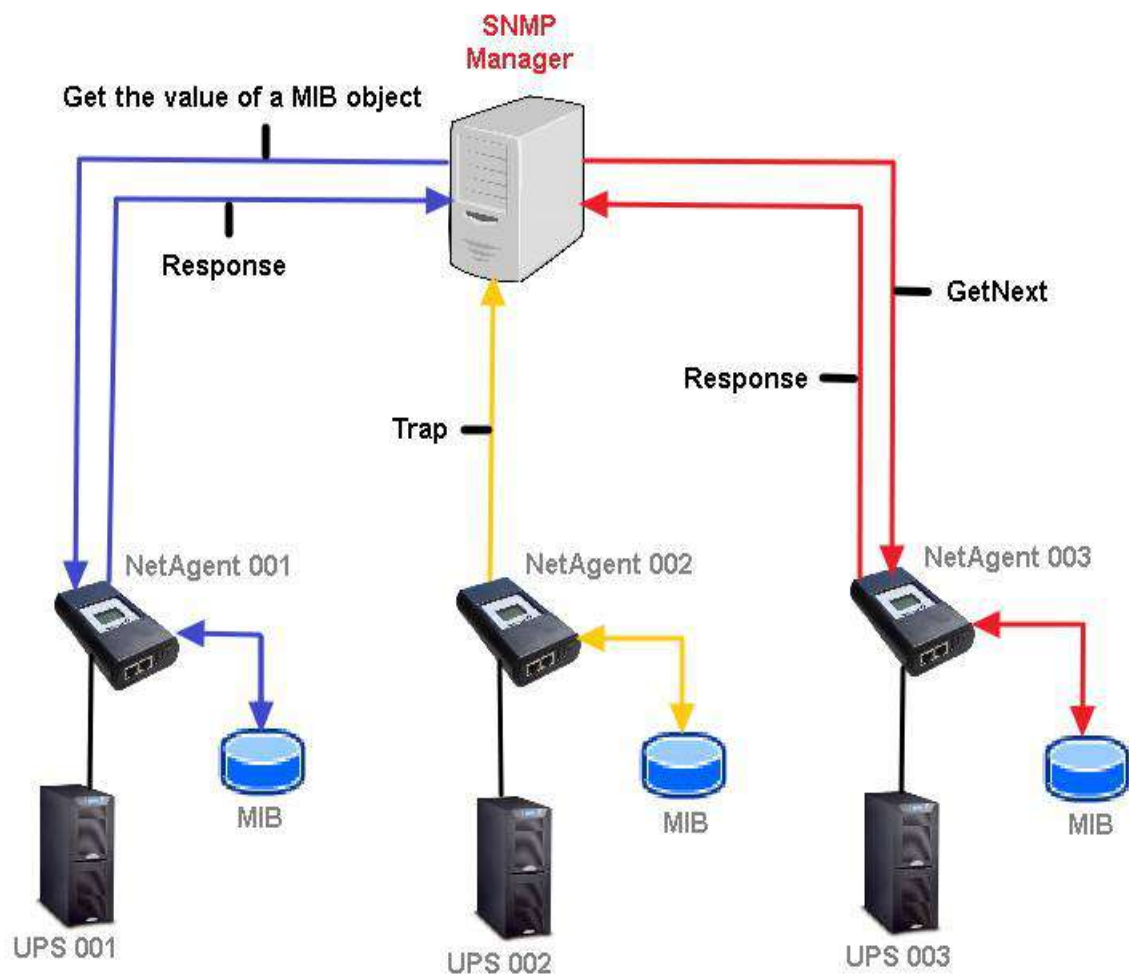
- (1) Once NetAgentA is connected with wireless router via WPS, Netility should be able to find this wireless NetAgentA
- (2) Login to NetAgentA's webpage, under **Configuration > Wireless Lan** webpage, it shows the wireless signal
(With distance of 6-10 meters. Router RT-AC53 still shows with full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



When NetAgentA connects with wireless router, it shows this sign  to indicate the router that NetAgentA is connecting.

■ 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 is red with 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, 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 sections for 'MIB System' (System Name: UPS Agent, System Contact: Administrator, System Location: My Office), 'SNMP UDP Port' (NetAgent SNMP Port: 161, Trap Receive Port: 162), and 'SNMPv3 Engine ID' (SNMPv3 Engine ID Format Type: MAC Address, SNMPv3 Engine ID Text: 80003461030003ea146ac1). A red asterisk note states '* : System will reboot when these items have been Applied.' At the bottom right, there are 'Apply' and 'Reset' buttons. A Windows watermark is visible in the bottom right corner.

- **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

The screenshot displays the NetAgentA configuration window. The 'Access Control' tab is active. It shows a table for configuring access for different IP addresses. The first two rows are pre-filled with IP addresses 192.168.66.2 and 192.168.66.5, both using V1 & V2C version and 'public' community. Below this, there are fields for 'User Name' (abc), 'Auth. Protocol' (MD5), 'Auth. Password' (masked with asterisks), 'Privacy Protocol' (DES), and 'Privacy Password' (masked with asterisks). A table below these fields shows a list of configurations with columns for IP Address, Version, Community, Permission, and Description. The first row in this table has a masked IP address, 'All' version, 'public' community, 'No Access' permission, and an empty description. A yellow box highlights the masked IP address with a note '*.*.*.* means any IP'. Another yellow box highlights the 'Auth. Password' field with a note 'At least 8 characters'. The sidebar on the left contains various configuration options like UPS Configuration, Network, Wireless LAN, SNMP, Email, SMS, Web/Telnet/FTP, BACnet, SMS Modem, NetFeeler, System, Log Information, and Management.

- **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 web interface. The top header is red with the 'NetAgentA' logo. A left sidebar contains a menu with categories like Information, Configuration, and Management. The main content area has tabs for General, Access Control, Trap Notification, and Device Connected. The 'Trap Notification' tab is active, showing a table of trap configurations. Each row includes a trap ID, a name (e.g., 'SNMPv3 Inform'), a destination IP, a protocol (PPC), a severity level, and 'Select' and 'Test' buttons. Below the table, there is a section for 'Send Power Restore and Adapter Restore Traps for 0 time(s) in 0 second(s) interval.' At the bottom of the main area is the 'SNMP Inform Request' section, which has input fields for 'Number of Retries' (set to 3) and 'Timeout (sec)' (set to 5). A yellow arrow points from the 'SNMPv3 Inform' entry in the table to the 'SNMP Inform Request' section. At the very bottom of the page is a login section with fields for User Name, Auth. Protocol, Privacy Protocol, Manager Engine ID, Auth. Password, and Privacy Password.

Trap ID	Trap Name	Destination IP	Protocol	Severity	Action
192.168.2.53	SNMPv3 Inform	public	PPC	Information	Select Test
	No	public	PPC	Information	Select Test
	No	public	PPC	Information	Select Test
	No	public	PPC	Information	Select Test
	No	public	PPC	Information	Select Test
	No	public	PPC	Information	Select Test
192.168.2.43	SNMPv3 Inform	public	PPC	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
Manager Engine ID:
Auth. Password:
Privacy Password:

- **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.

NetAgentA

Latest Events
There is no latest Event.

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

General Access Control Trap Notification **Device Connected**

	Device	Rating (%)	Connected
1	<input type="text"/>	<input type="text"/>	NO ▼
2	<input type="text"/>	<input type="text"/>	NO ▼
3	<input type="text"/>	<input type="text"/>	NO ▼
4	<input type="text"/>	<input type="text"/>	NO ▼

Apply Reset

Activate Windows
Go to Settings to activate Windows.

- **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 :

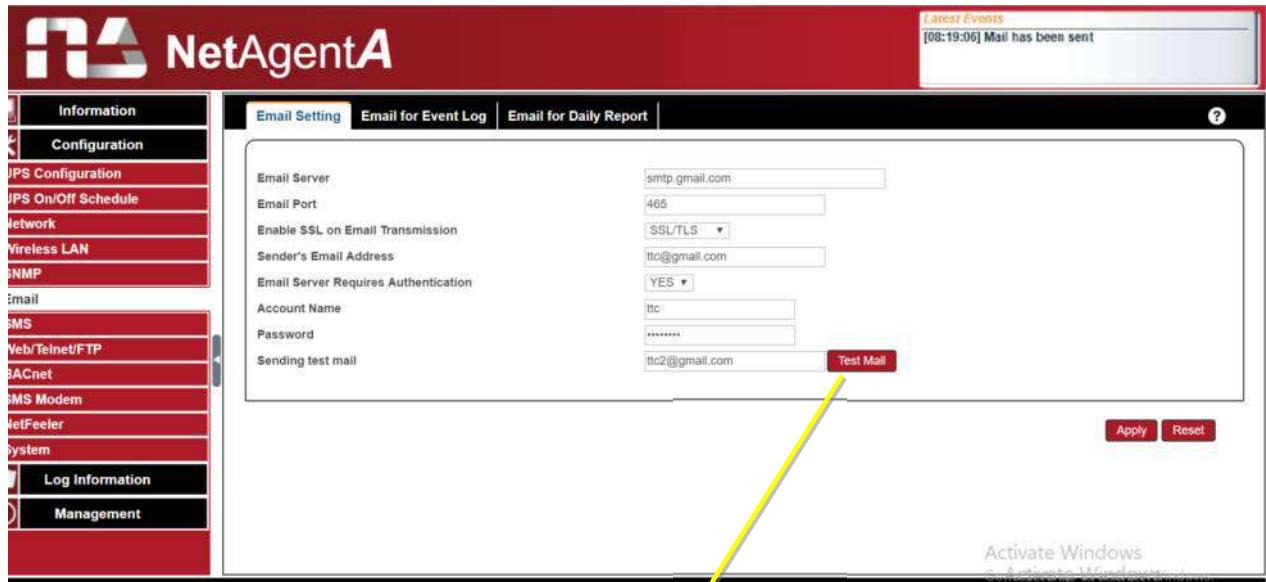
If authentication is required, enter its account name

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



NetAgentA Latest Events
[08:19:06] Mail has been sent

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

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: *****
 Sending test mail: ttc2@gmail.com **Test Mail**

Apply **Reset**

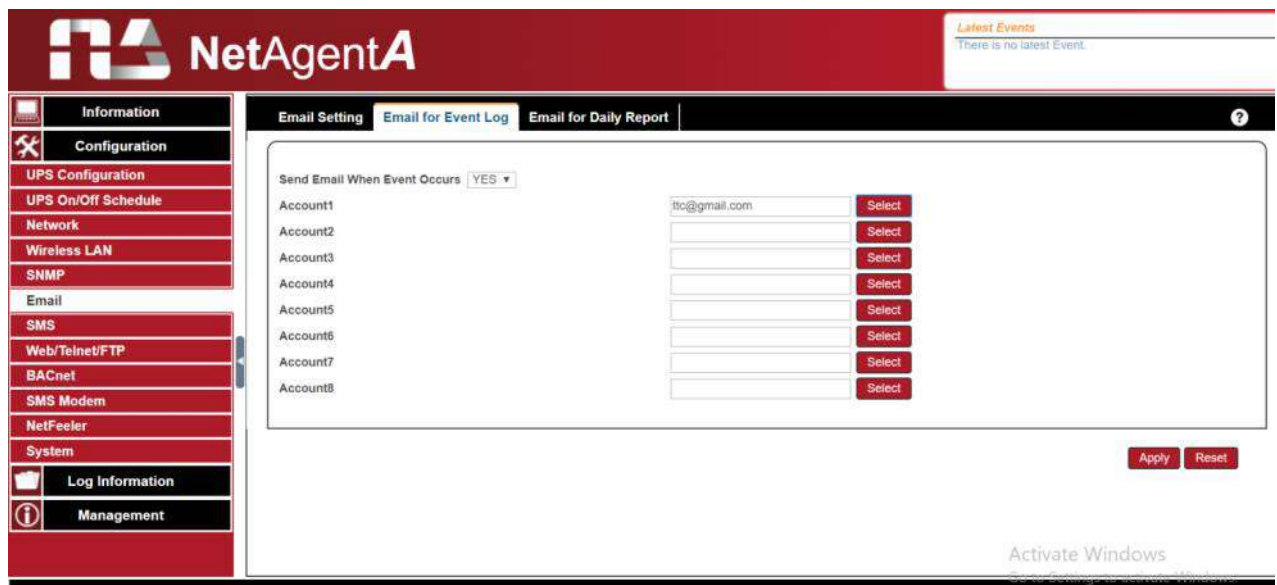
Activate Windows

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.



NetAgentA Latest Events
There is no latest Event.

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

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

Send Email When Event Occurs: YES

Account1	ttc@gmail.com	Select
Account2		Select
Account3		Select
Account4		Select
Account5		Select
Account6		Select
Account7		Select
Account8		Select

Apply **Reset**

Activate Windows

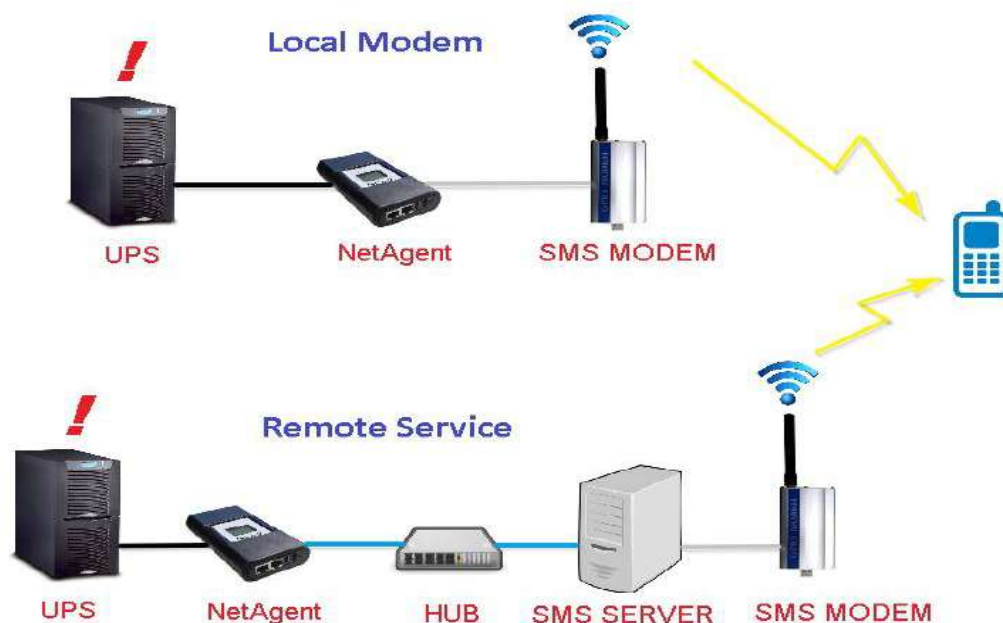
- **Email for Daily Report (To receive daily report)**

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.

The screenshot shows the NetAgentA web interface. The top header has the NetAgentA logo and a 'Latest Events' section stating 'There is no latest Event.' The left sidebar contains a menu with categories: Information, Configuration, Log Information, and Management. Under Configuration, there are links for UPS Configuration, UPS On/Off Schedule, Network, Wireless LAN, SNMP, Email, SMS, Web/Telnet/FTP, BACnet, SMS Modem, NetFeeder, and System. The main content area has tabs for 'Email Setting', 'Email for Event Log', and 'Email for Daily Report'. The 'Email for Daily Report' tab is active, showing a form with four input fields for 'Account1', 'Account2', 'Account3', and 'Account4'. Below these is a field for 'Send Email for Daily Report (hh:mm)' with a dropdown set to 'NO' and a time field set to '12:00'. At the bottom right of the form are 'Apply' and 'Reset' buttons. An 'Activate Windows' watermark is visible at the bottom right of the page.

- **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. A sidebar on the left contains a menu with categories: Information, Configuration, and Management. Under Configuration, options include UPS Configuration, UPS On/Off Schedule, Network, Wireless LAN, SNMP, Email, SMS (selected), Web/Telnet/FTP, BACnet, SMS Modem, and NetFeeler. Under Management, there is a Log Information option. The main content area is titled 'SMS Setting' and 'Mobile for Event Log'. It features a form for configuring SMS settings. The form includes a dropdown menu for 'Send SMS When Event Occurs' set to 'Use Local Modem', and input fields for 'SMS Server', 'SMS Port' (set to 80), 'Account Name', and 'Password'. A 'Sending test SMS' input field is at the bottom of the form, followed by a 'Test SMS' button. 'Apply' and 'Reset' buttons are located at the bottom right of the form. A 'Latest Events' section at the top right shows 'There is no latest Event.' An 'Activate Windows' watermark is visible at the bottom right of the page.

Category	Item
Information	Information
	Configuration
Configuration	UPS Configuration
	UPS On/Off Schedule
	Network
	Wireless LAN
	SNMP
	Email
	SMS
	Web/Telnet/FTP
	BACnet
	SMS Modem
Management	NetFeeler
	System
Log Information	Log Information
	Management

SMS Setting **Mobile for Event Log**

Send SMS When Event Occurs: Use Local Modem

SMS Server: [Input Field]

SMS Port: 80

Account Name: [Input Field]

Password: [Input Field]

Sending test SMS: [Input Field] **Test SMS**

Apply **Reset**

Latest Events: There is no latest Event.

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.

NetAgentA

Latest Events
There is no latest Event.

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

SMS Setting Mobile for Event Log

Cellular Phone number1	0982875432	Select
Cellular Phone number2		Select
Cellular Phone number3		Select
Cellular Phone number4		Select
Cellular Phone number5		Select
Cellular Phone number6		Select
Cellular Phone number7		Select
Cellular Phone number8		Select

Apply Reset

Activate Windows
Go to Settings to activate Windows.

Select Event

UPS Events NetFeeler II

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"/>

- **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.

The screenshot shows the NetAgentA web interface. The left sidebar contains a menu with options like Information, Configuration, UPS Configuration, Network, SNMP, Email, SMS, Web/Telnet/FTP, BACnet, SMS Modem, NetFeeler, System, Log Information, and Management. The main content area is titled 'HTTP/HTTPS' and includes settings for HTTP port (80), Enable HTTP proxy Function (checked), HTTP proxy port (81), Enable HTTPS Function (checked), HTTPS port (443), Enable HTTPS proxy Function (checked), and HTTPS proxy port (444). Below this is the 'HTTP/HTTPS Account' section with a table for user accounts. The table has columns for User Name, Password, Permission, and IP Filter. The first row shows a user with 'Read/Write' permission and an IP filter of '*.*.*.*'. Below the table is an 'Auto LogOff after idle for' field set to 0 minutes. At the bottom right, there is an 'Activate Windows' watermark and 'Apply' and 'Reset' buttons.

- **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

• 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

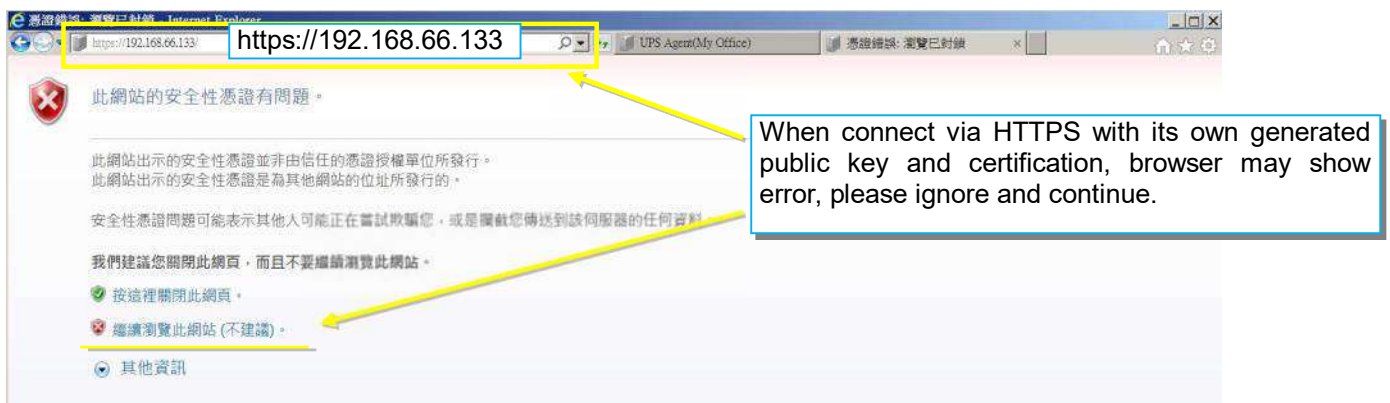
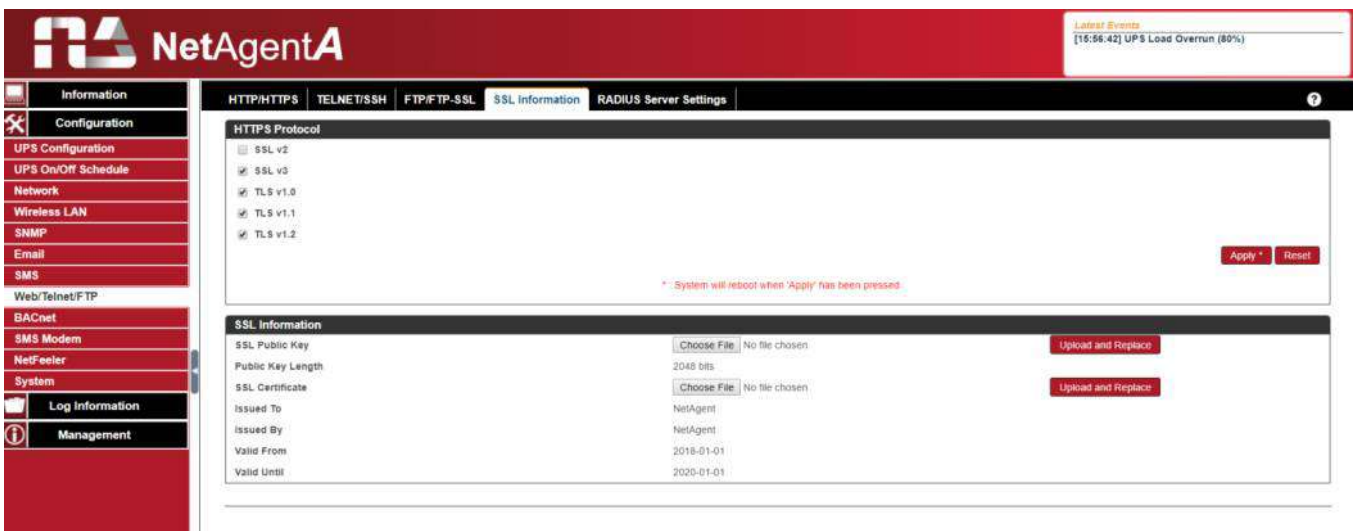
- ☐ SSL v2
- ☐ SSL v3
- ☐ SSL v1.0
- ☐ SSL v1.1
- ☐ SSL v1.2

☛ 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

NetAgentA

Latest Events
[16:56:42] UPS Load Overrun (80%)

Information | Configuration | HTTP/HTTPS | TELNET/SSH | FTP/FTP-SSL | SSL Information | **RADIUS Server Settings**

Enable RADIUS in Web/Telnet login: NO

RADIUS Server Address:

Authentication Port: 1812

Shared Key:

Connection TimeOut: 5 second(s)

Connection Retry: 3

Apply Reset

■ Configuration > BACnet

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

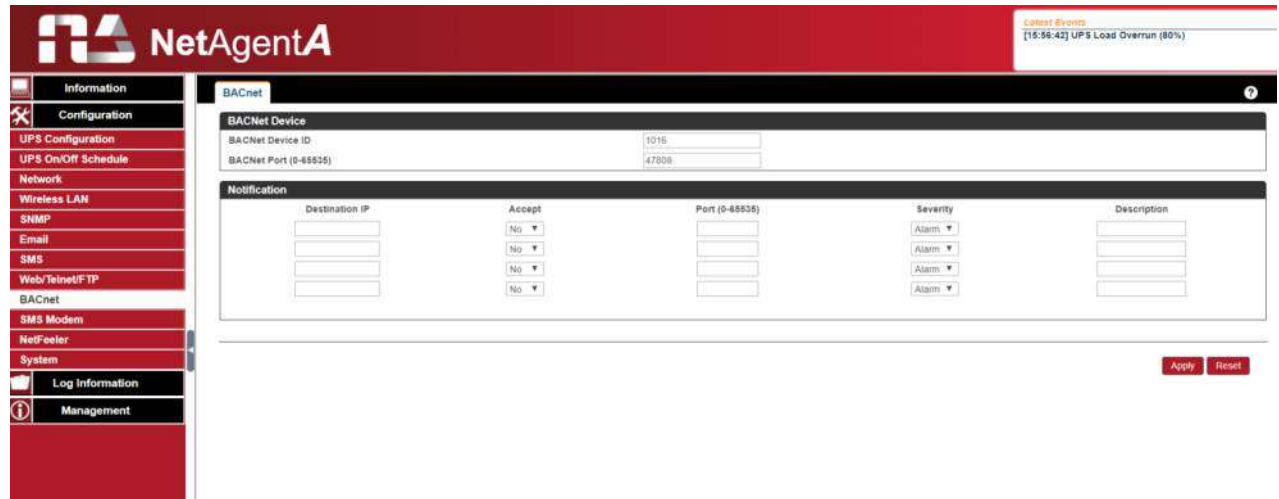
- **BACnet**

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 status bar on the right showing 'Latest Events' and '[15:56:42] UPS Load Overrun (80%)'. A left sidebar contains navigation links: Information, Configuration (selected), UPS Configuration, UPS On/Off Schedule, Network, Wireless LAN, SNMP, Email, SMS, Web/Telnet/FTP, BACnet, SMS Modem, NetFeeder, System, Log Information, and 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' (containing '1015') and 'BACnet Port (0-65535)' (containing '47008'). The 'Notification' section is a table with five columns: 'Destination IP', 'Accept', 'Port (0-65535)', 'Severity', and 'Description'. Each column has four rows of input fields. The 'Accept' and 'Severity' columns have dropdown menus with 'No' and 'Alarm' options. At the bottom right of the main content area are 'Apply' and 'Reset' buttons.

BACnet Device				
BACnet Device ID		1015		
BACnet Port (0-65535)		47008		

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"/>

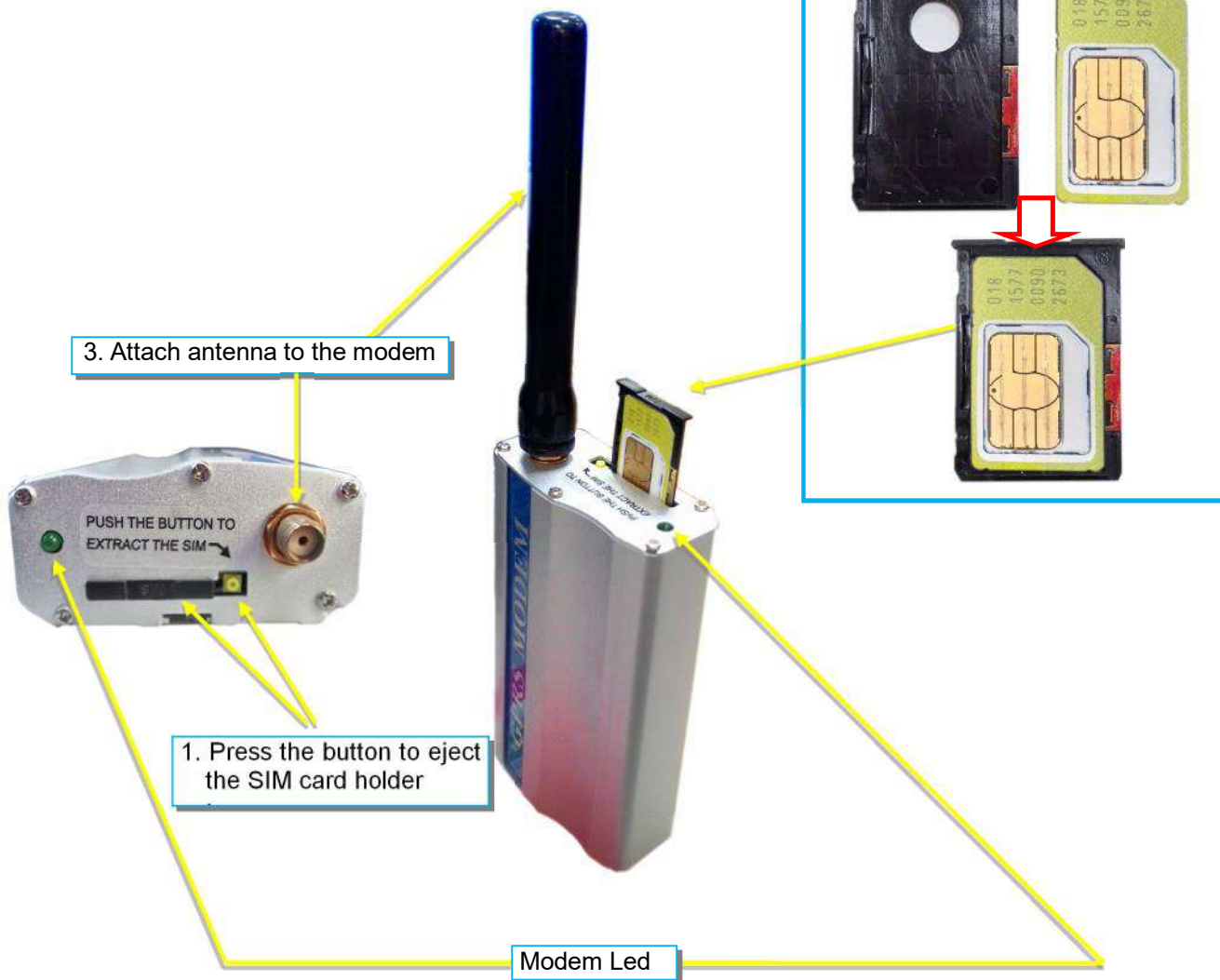
Apply Reset

■ Configuration > SMS Modem

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

□ Modem Setup Procedure

2. Place the SIM card on the holder and insert into GSM Modem



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.

NetAgentA

Latest Events
[11:47:39] NetFeeler Communication Lost
[15:56:42] UPS Load Overrun (60%)

Configuration

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

NetFeeler

NetFeeler	
Humidity (%)	Critical UnderRun
Temperature (°C)	Critical OverRun

Security Label

Label	Status
Label 1	Security1 Status
Label 2	Security2 Status
Label 3	Security3 Status
Label 4	Security4 Status
Label 5	Security5 Status
Label 6	Security6 Status
Label 7	Security7 Status

Apply Reset

■ 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. A sidebar on the left contains a menu with options: Information, Configuration, 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 has tabs for Date/Time, Language, and Save/Restore. The 'Language' tab is active, showing the 'Restart' section. This section has two sub-sections: 'Auto Restart System for Every (0: Disable)' with a dropdown set to '0' and 'Manual Restart System After 30 Seconds'. Both have 'Apply' and 'Reset' buttons. Above these, the 'System Time' section shows settings for System Time, Time Between Automatic Updates, Time Server, Time Zone, and Using Daylight Saving Time, with an 'Edit' button.

- **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

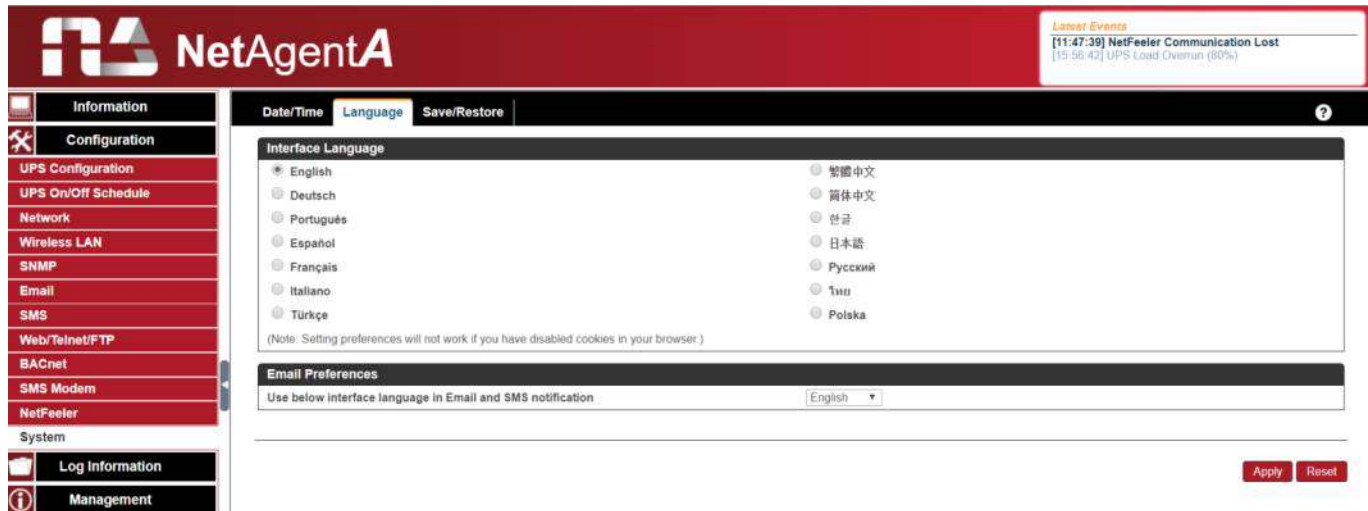
Note: Users will have to enable cookies before they use this function.

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

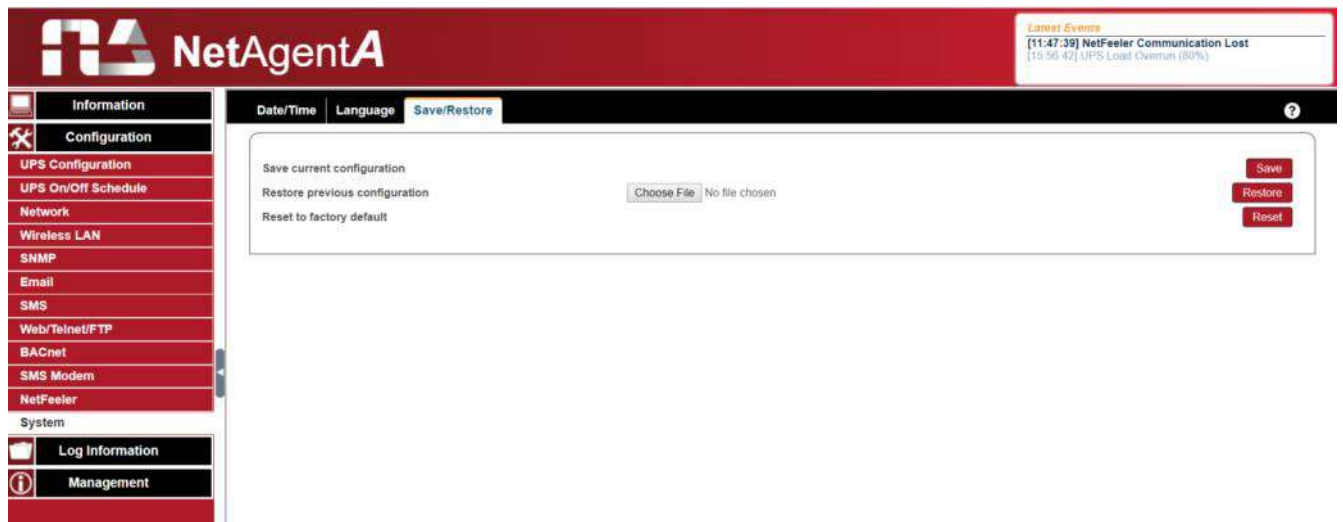
Click on Save to save the configuration to your PC. The text file will have a default format of YYYY_MMDD_####.cfg. Administrator permission required.

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.

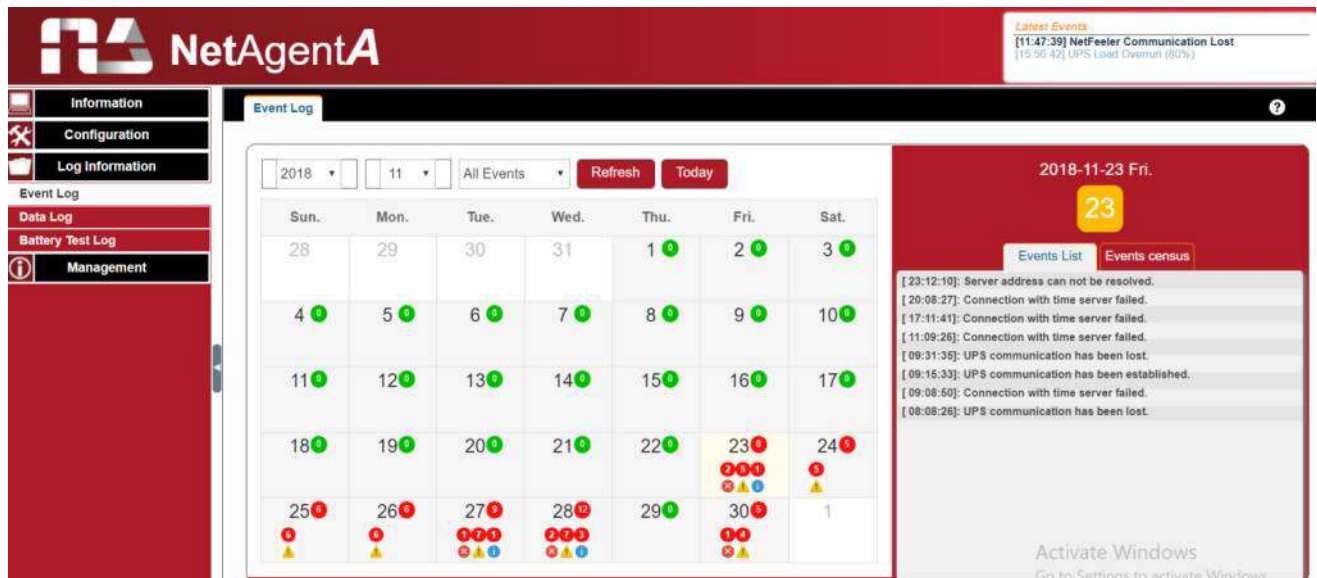


■ Log Information > Event Log

• Event Log

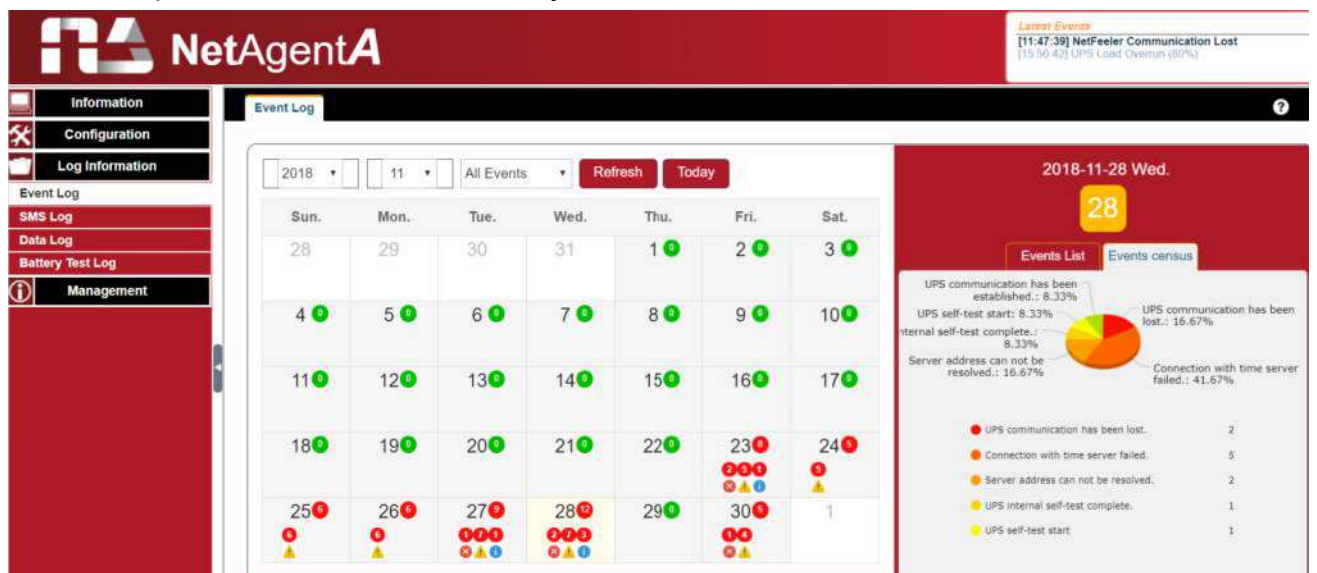
Event List

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



Event census

Here is to present the event statistically on the selected date

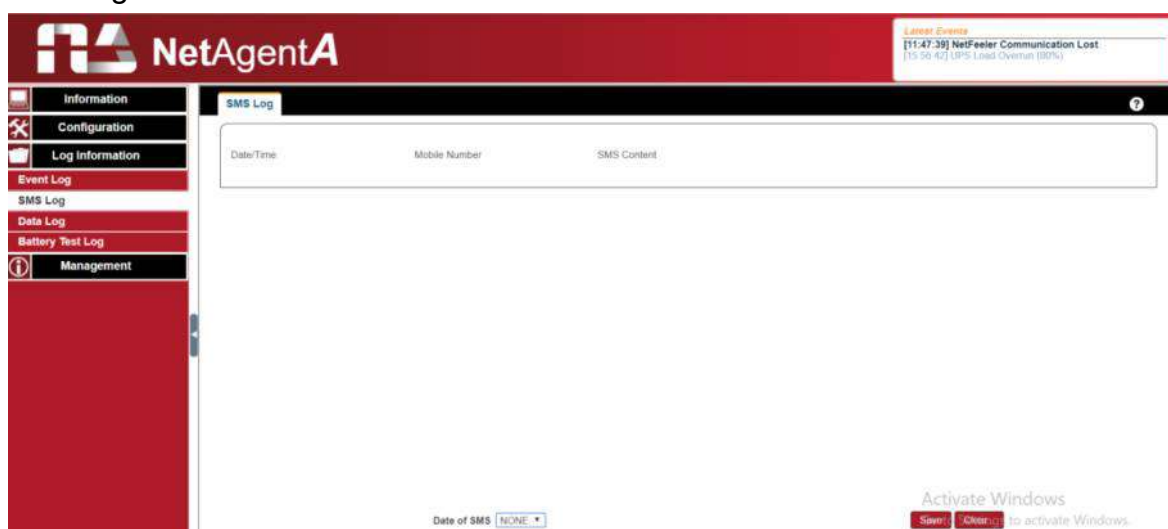


Log Information > SMS Log

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 .



■ 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.

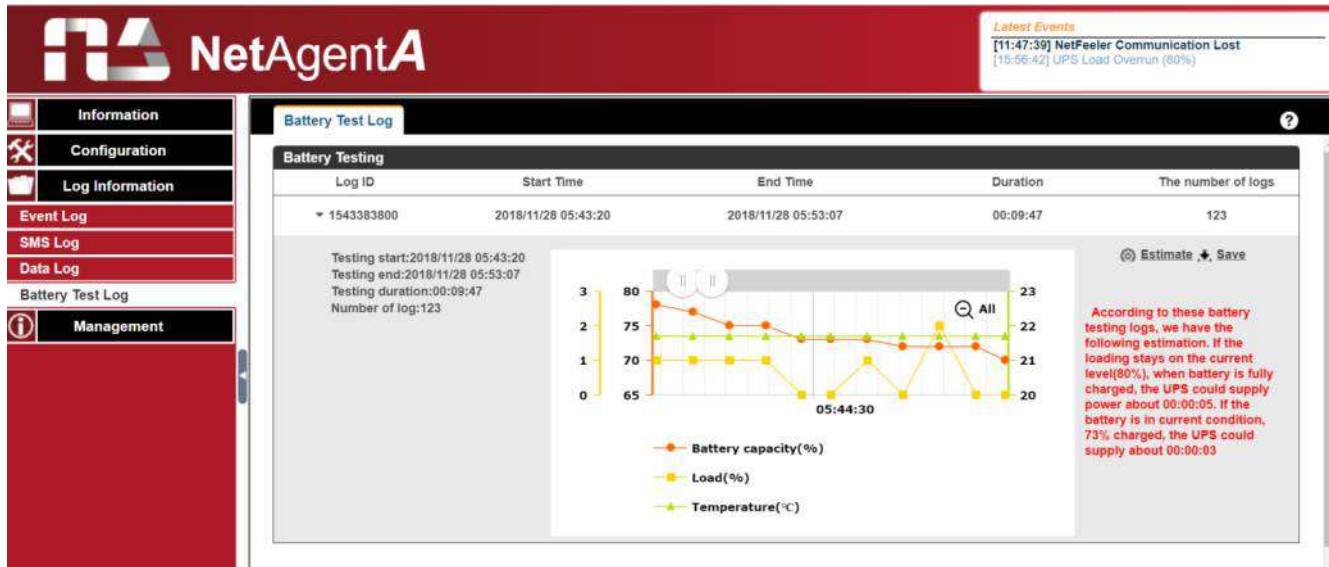
The Data Log interface displays a table of UPS parameters over time. The table has columns for No., Date/Time, Input Volt.(V), Output Volt.(V), Freq. (Hz), Load(%), Capacity(%), Battery Volt.(V), Cell Volt.(V), and Temp.(°C °F). The data is sorted by Date/Time. The interface includes a sidebar with navigation options: Information, Configuration, Log Information, Event Log, SMS Log, Data Log, Battery Test Log, and Management. The "Data Log" option is selected. The "Latest Events" section shows a message: "[11:47:39] NetFeeler Communication Lost [15:56:42] UPS Load Overrun (80%)". The "Date of Datalog" is set to 2018/11/28. Buttons for "Refresh" and "Save" are located at the bottom right.

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.



■ 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)

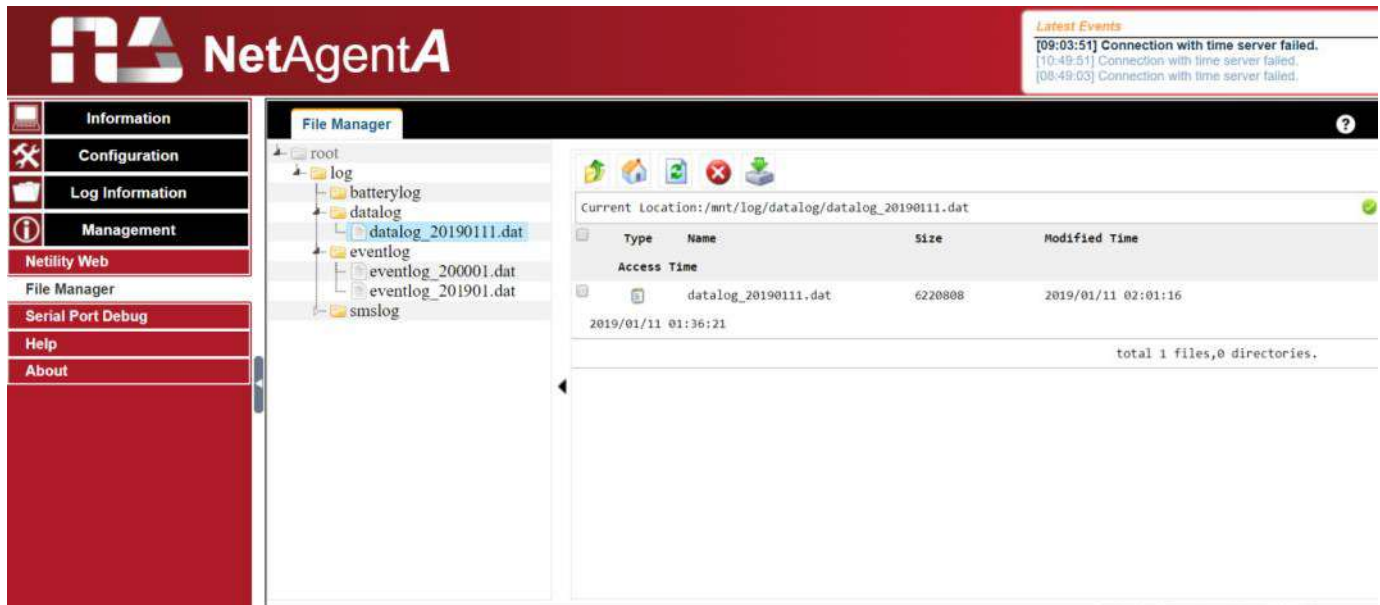
NetAgentA

Netility 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

■ 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

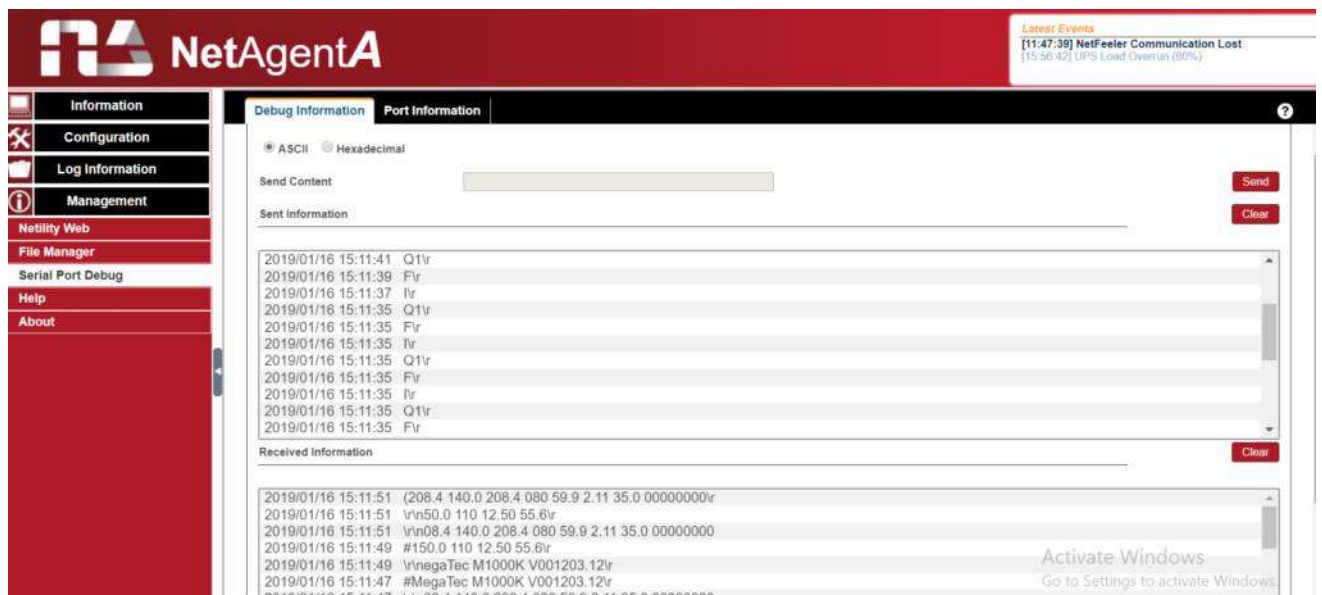
Command can send automatically by NetAgentA, or manually enter the command to UPS.

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 has the NetAgentA logo and a 'Latest Events' section with two entries: '[11:47:39] NetFeeler Communication Lost' and '[15:56:42] UPS Load Overrun (80%)'. The left sidebar contains a menu with 'Information', 'Configuration', 'Log Information', 'Management', 'Netility Web', 'File Manager', 'Serial Port Debug', 'Help', and 'About'. The main content area has two tabs: 'Debug Information' and 'Port Information'. The 'Port Information' tab is active, showing a form with the following fields: 'Debug Mode' (Auto), 'Port' (UPS), 'Speed(baud)' (2400), 'Data Bits' (8), 'Parity' (None), and 'Stop Bits' (1 Bit). An 'Apply' button is located at the bottom right of the form.

- **Management > Help**

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

The screenshot shows the NetAgentA web interface with the 'Management > Help' page. The left sidebar is the same as in the previous screenshot. The main content area has a 'System Information' tab. Below the tab are three sections: 'System Information', 'Network Status', and 'Wireless Status'. The 'System Information' section contains text about system information. The 'Network Status' section contains text about network settings. The 'Wireless Status' section contains text about wireless network information. At the bottom of the main content area, there is a large grey box with text about the page's purpose.

- **Management > About**

- **About**

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

The screenshot shows the NetAgentA web interface with the 'Management > About' page. The left sidebar is the same as in the previous screenshots. The main content area has two tabs: 'About' and 'Firmware Update Settings'. The 'About' tab is active, showing a table with the following information: 'Firmware Version' (3.6.CA506), 'Hardware Version' (HCA506), and 'Serial Number' (3827206593). At the bottom right of the page, there is contact information for 'Mega System Technologies, Inc.' including a telephone number, fax number, email address, and website URL, along with a logo.

• Firmware Update Settings

Default FTP server is set as 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

Model	Firmware name	Date
DY520	3.5.DY520.a.zip	23rd November, 2016
DL520	3.5.DL520.zip	23rd November, 2016
CY504	3.5.CY504.zip	23rd November, 2016
BY506	3.5.BY506.zip	23rd November, 2016
DX520	3.5.DX520.zip	
CX504	3.5.CX504.zip	
BX506	3.5.BX506.zip	

Warning: DX unit with 3.1.BX506 MUST

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