

NetAgentA

UPS SNMP Agent

User's Manual

User Guide for NetAgentA Mini

Version 1.0

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Contents

CHAPTER 1. INTRODUCTION.....	4
1.1 Features	4
1.2 Applications.....	5
CHAPTER 2. NetAgentA Series	6
2.1 <i>NetAgentA Mini Models</i>	6
2.2 <i>NetAgentA Mini LED Indication</i>	6
CHAPTER 3 SOFTWARE INSTALLATION.....	8
3.1 <i>Software Installation</i>	8
CHAPTER 4. NetAgentA Setting	9
4.1 <i>Introduction</i>	9
4.2 <i>NetAgentA Login Procedure</i>	9
4.3 <i>Nutility Installation and Setting</i>	12
4.4 <i>NetAgentA Web Interface & Setting</i>	21
Information > UPS Status	21
Information > System Status	21
Information > Remote Control.....	23
Information > SMS Modem Status.....	24
Information > NetFeeler.....	24
Configuration > UPS Configuration	24
Configuration > UPS On/Off Schedule	26
Configuration > Network.....	29
Configuration > Wireless LAN.....	35
Configuration > SNMP	39
Configuration > Email.....	43
Configuration > SMS.....	45
Configuration > Web/Telnet/FTP	47
Configuration > BACnet	52
Configuration > SMS Modem	53
Configuration > NetFeeler	55
Configuration > System	55
Log Information > Event Log	57
Log Information > SMS Log	58
Log Information > Data Log	59
Log Information > Battery Test Log	60
Management > Nutility Web	60

Management > File Manager	61
Management > Serial Port Debug	61
Management > Help	62
Management > About	62

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 Nentity 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

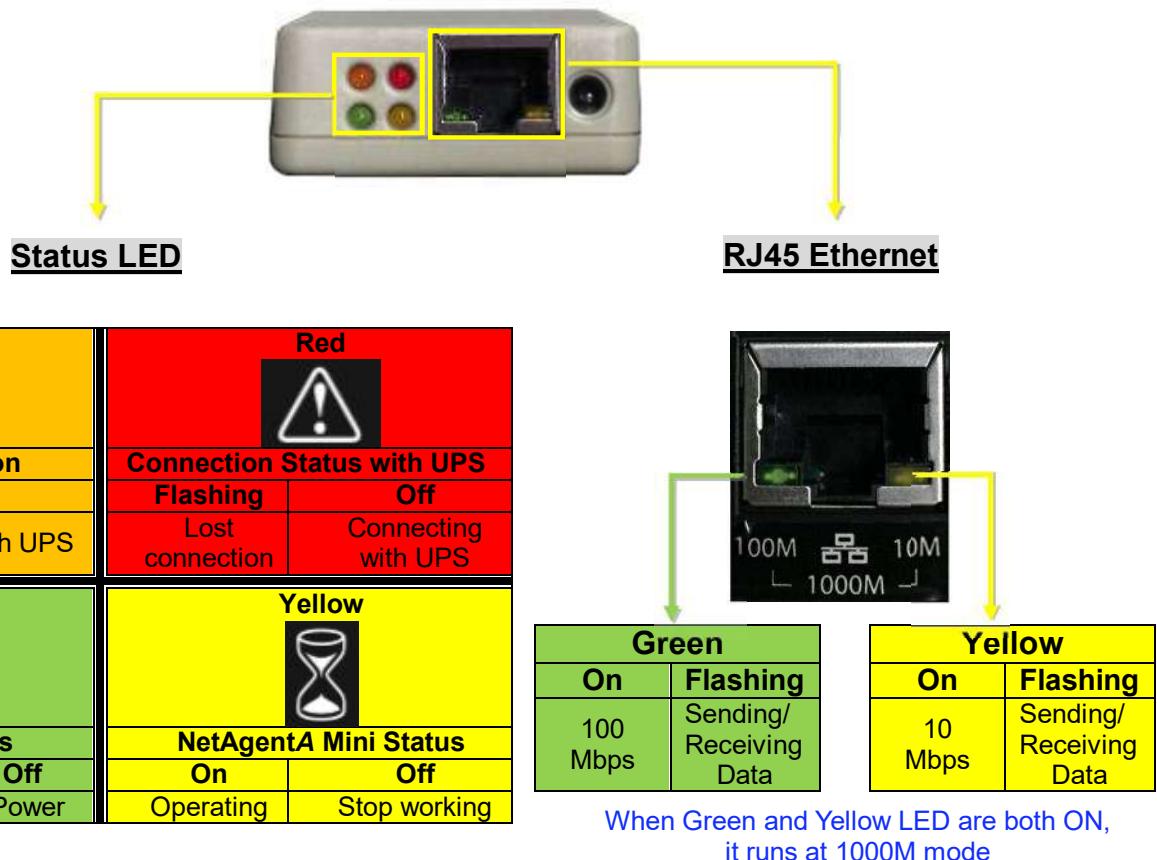
NetAgentA with USB ports could connect to optional sensor- USB NetFeeler to get the surrounding temperature/humidity/smoke/fire signals. These information could also be revealed on the NetAgentA Web page. When there is an abnormal condition happened, it could also be sent as a trap to the system manager.

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



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

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



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

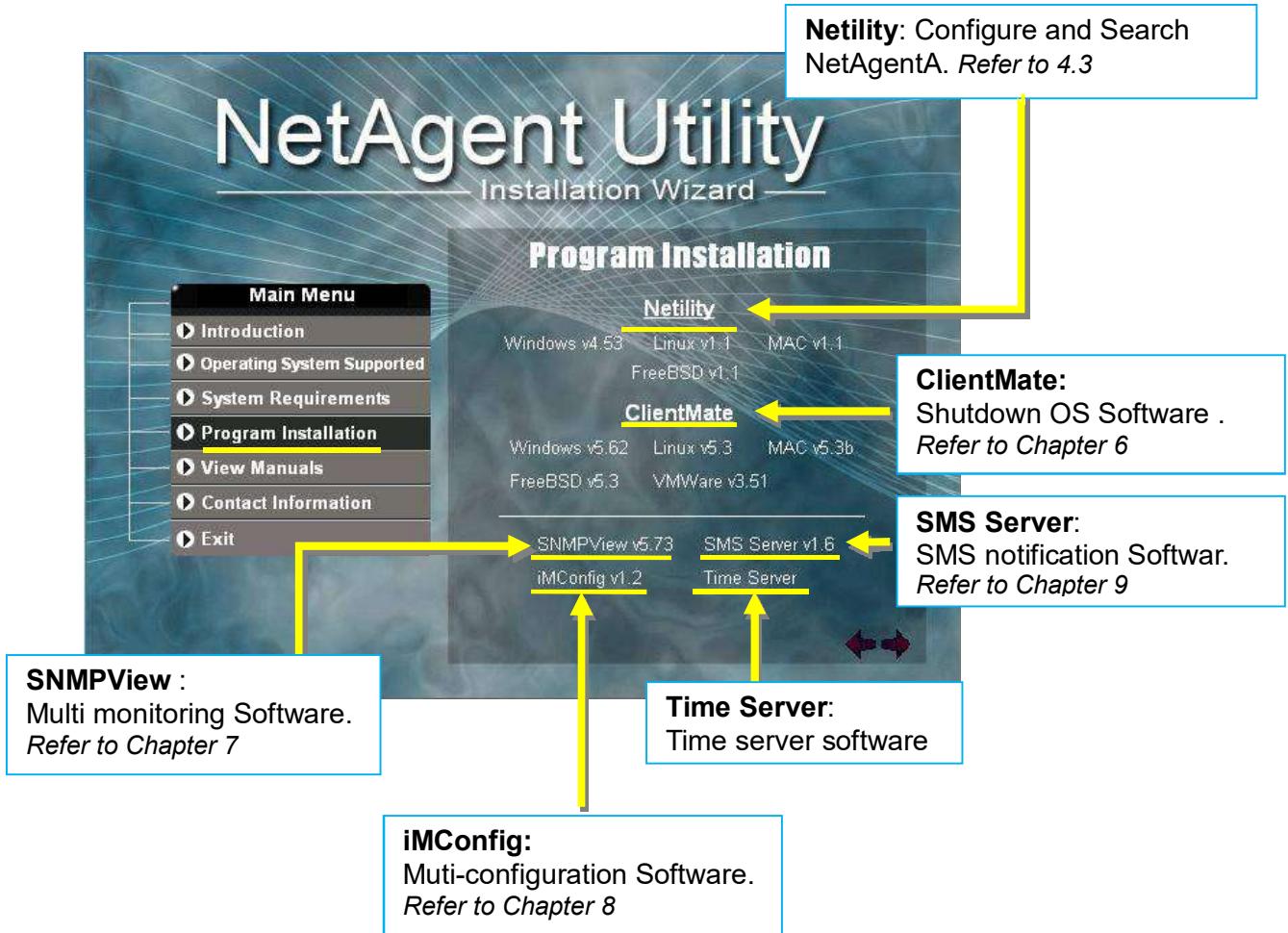


Status	Power On	Lost Communication	Writing Firmware
	On	On	Off
	Off	Flashing	Flashing
	On	On	On
Power			

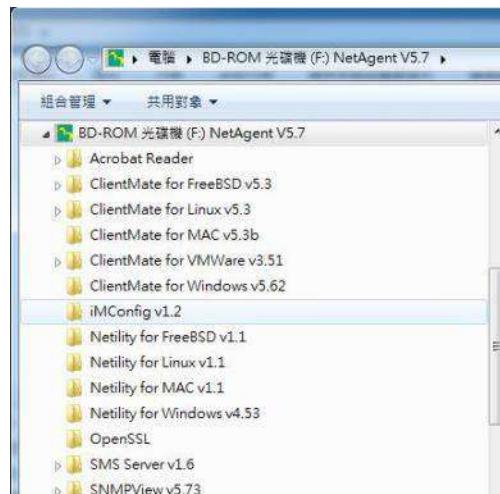
Chapter 3 Software Installation

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】**



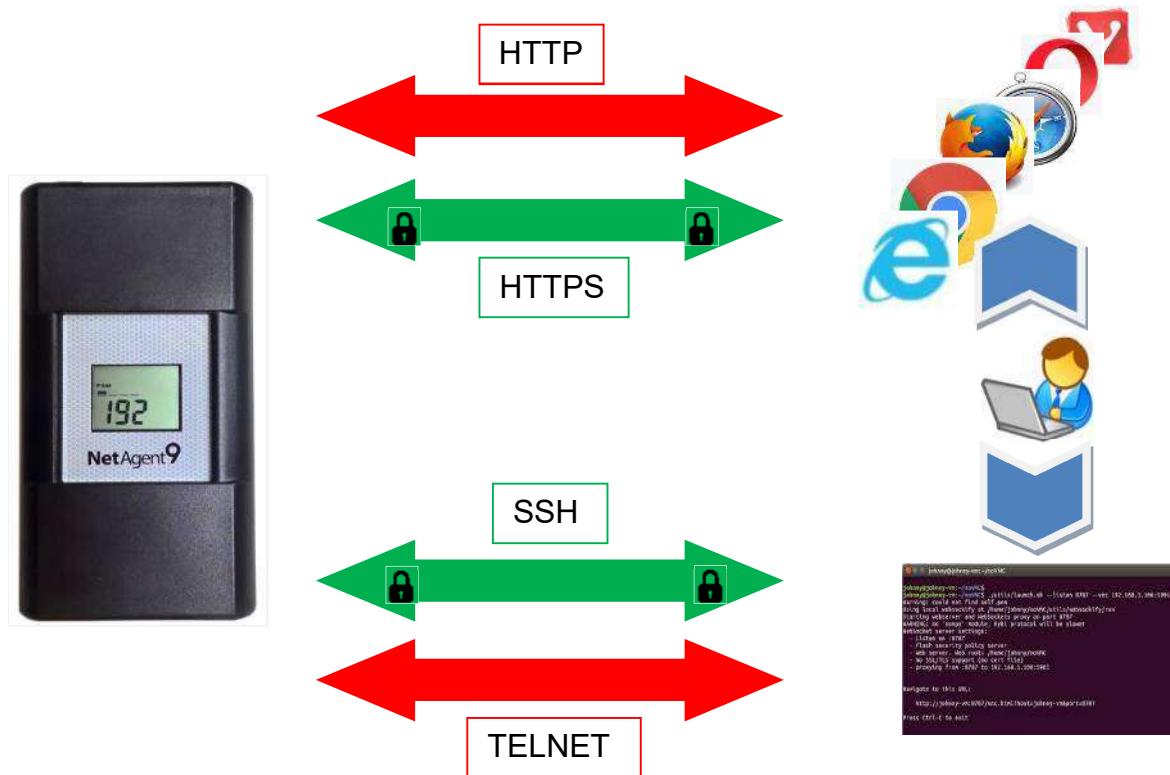
If the PC does not executes CD program automatically, please select from File Management



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.

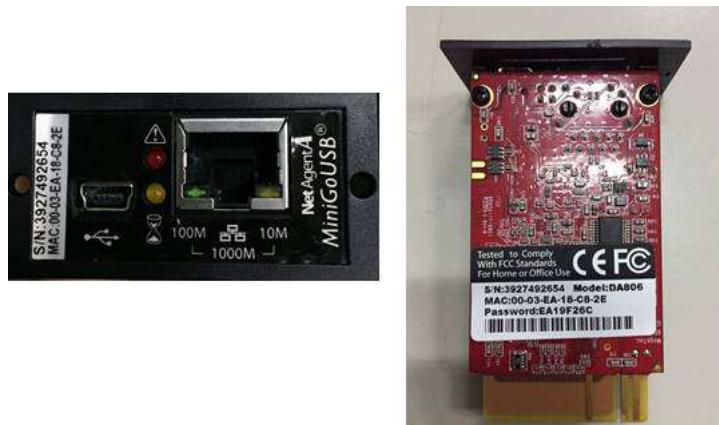


4.2 NetAgentA Login Procedure

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

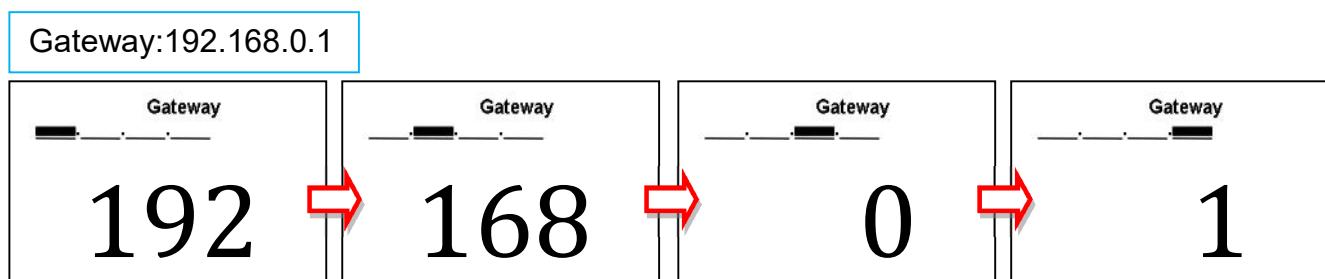
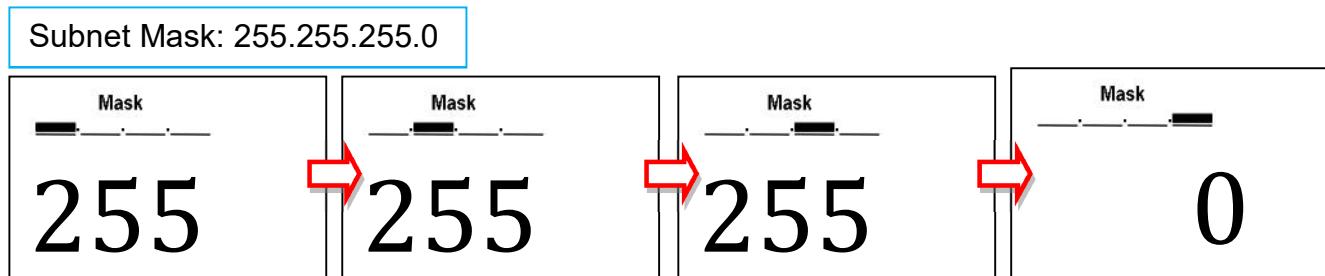
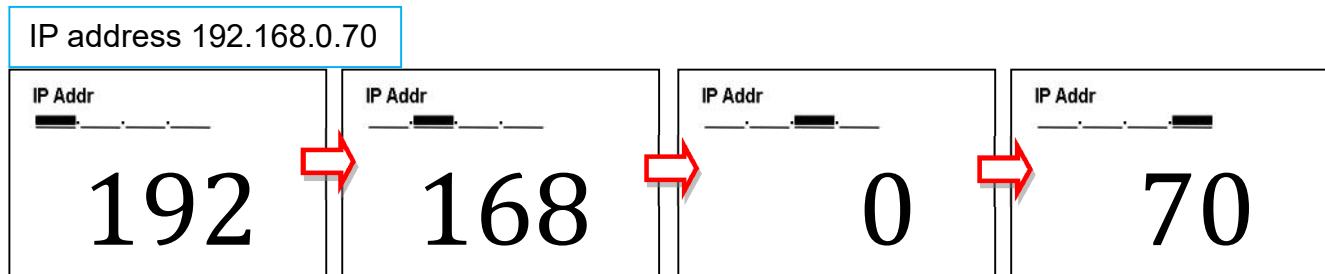
7. Enter other parameter on NetAgentA webpage

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 Nentity

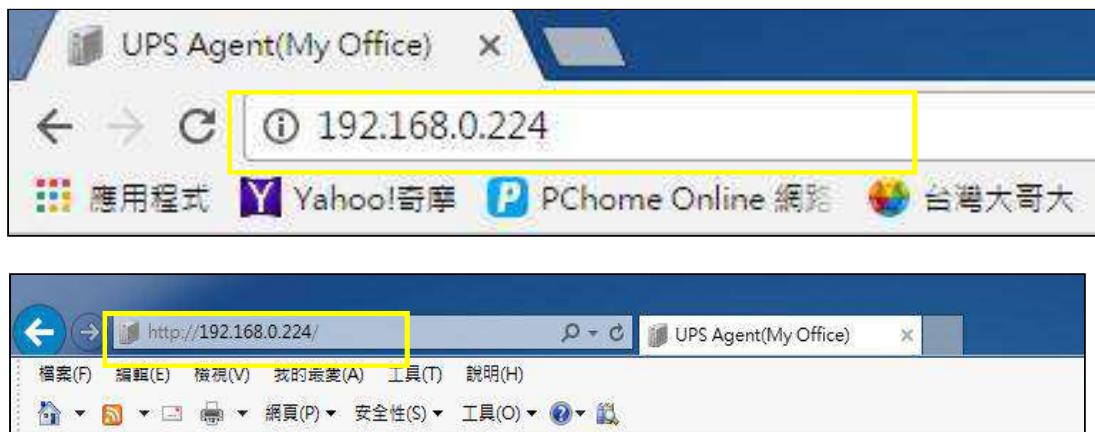


NOTE 2 : NetAgentA with LCD display may obtain the IP info from it.

Example of LCD display format as below



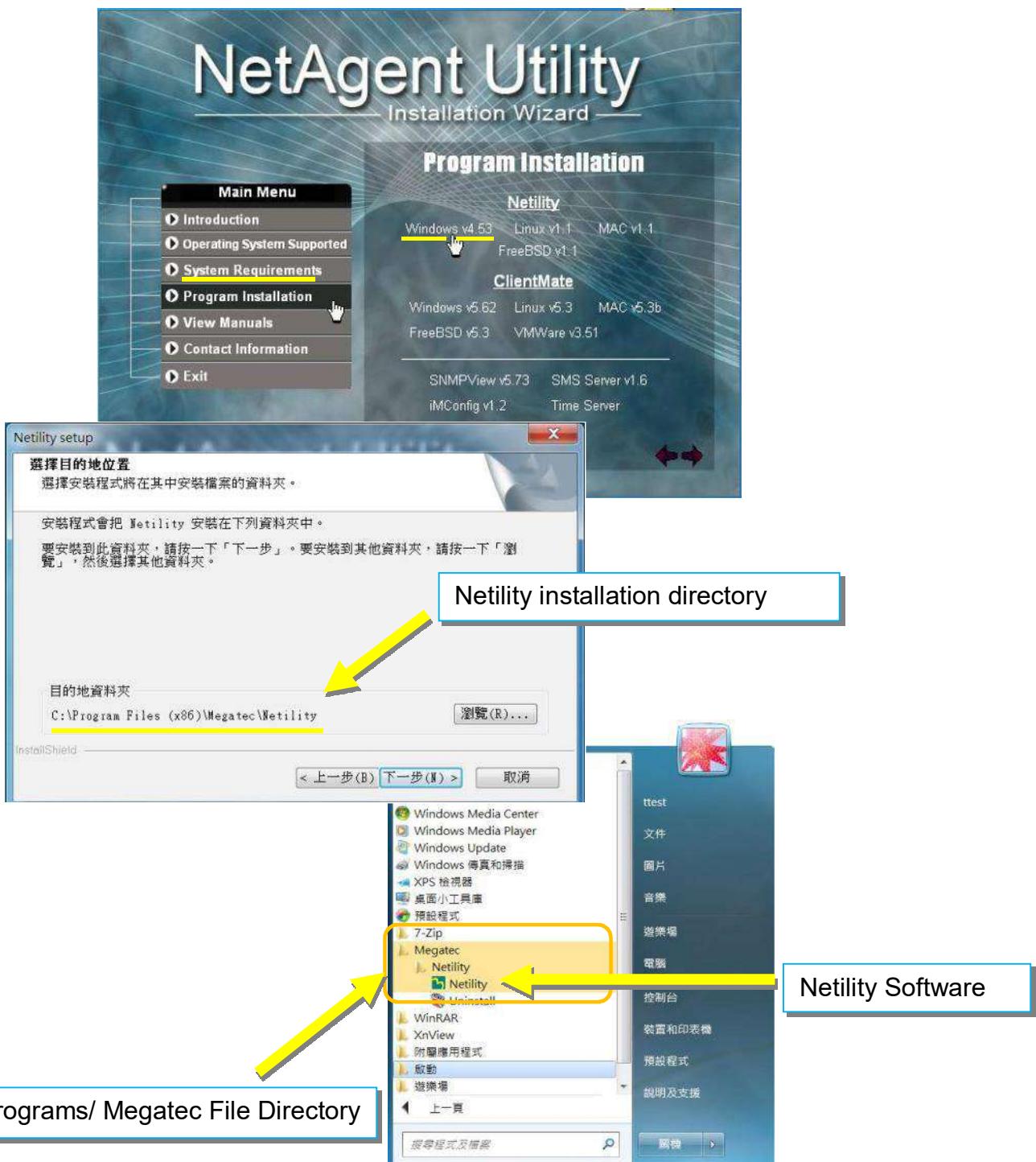
When NetAgentA IP is known, enter such IP address on the browser to login. If non-LCD NetAgentA model, install Nutility software to find and configure its IP address.



4.3 Netility Installation and Setting

■ Netility Installation

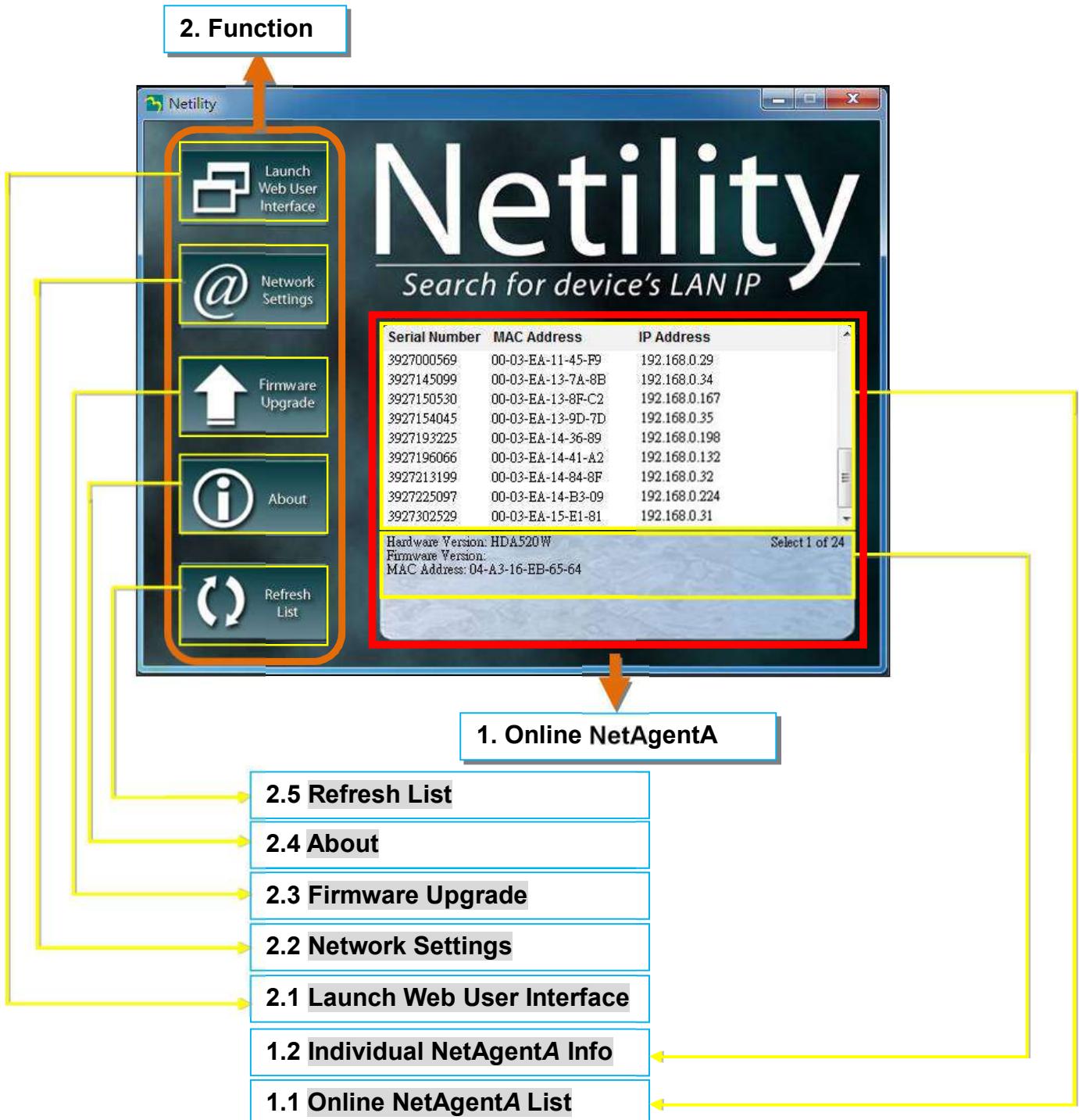
Netility is tool software that helps the user to search all the available NetAgentA within network as well as to configure IP address and firmware upgrade. Mount the NetAgentA Utility CD on CD-ROM and click on Program Installation>Netility>Windows



■ Netility Operation and Setting

Netility main pages divided into 2 sections:

1. Online NetAgentA List 2. Function Selection



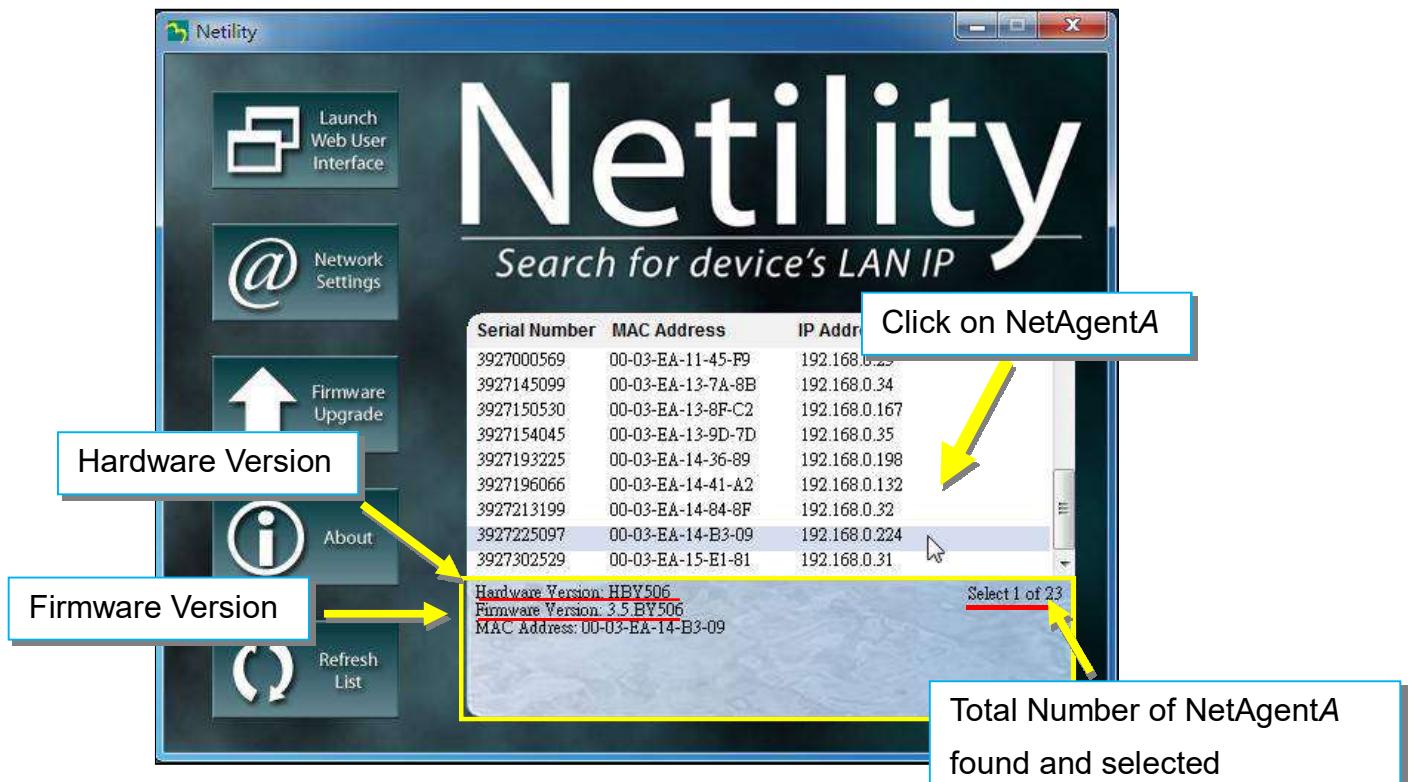
1.1 Online NetAgentA List

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)



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



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



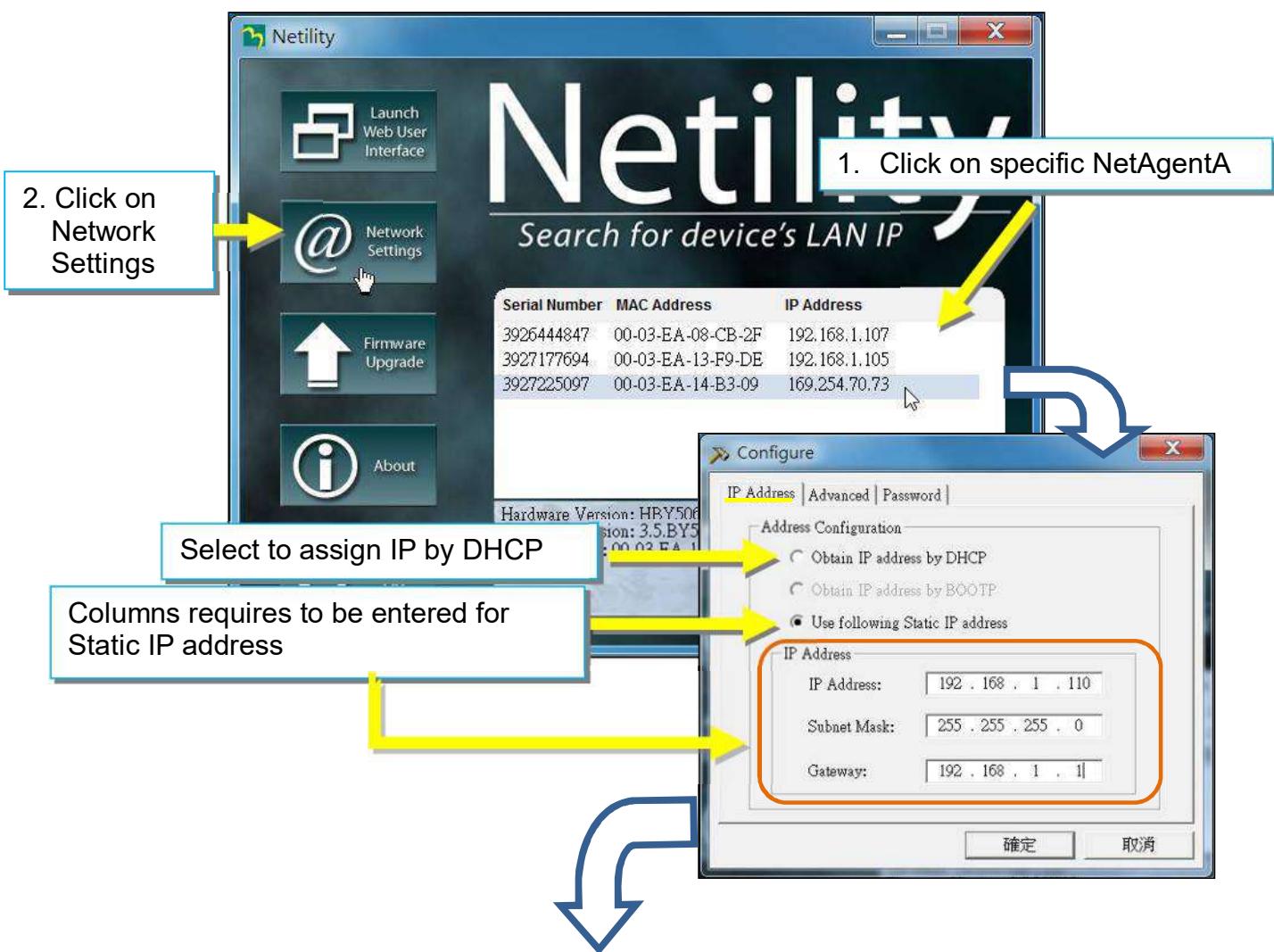
The screenshot shows the NetAgentA web interface. The left sidebar has the following menu items: Information, UPS Status, System Status, Remote Control, SMS Modem Status, NetFeeler, Configuration (highlighted with a blue arrow), Log Information, and Management. The main content area has tabs for System Information, UPS Information, and Network Status. The System Information tab is active and displays the following data:

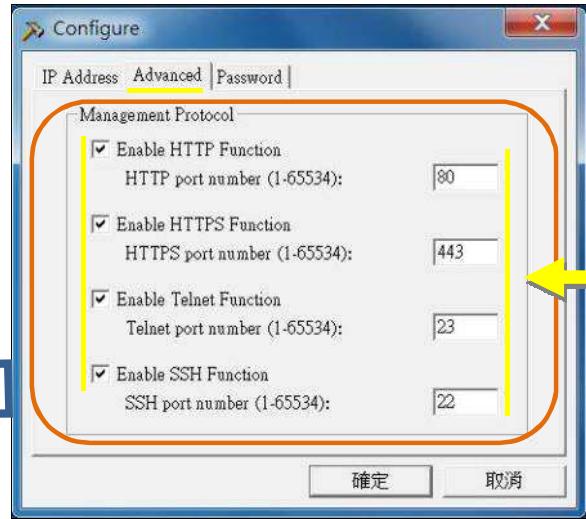
System Information	UPS Information	Network Status
Hardware Version: HCA506	UPS Last Self Test: --	
Firmware Version: 3.6.CA506	UPS Next Self Test: --	
Serial Number: 3927206593	UPS Critical Load: 80 %	
System Name: UPS Agent	UPS Critical Temperature: 70.0 °C	
System Contact: Administrator	UPS Critical Capacity: 10 %	
Location: My Office		
System Time: 2019/01/16 15:47:14		
Uptime: 2 day(s) 06:48:43		

Below the table, there is a note: 'Warning will be initiated 10 minute(s) before Scheduled Shutdown Event' and a link 'Send Email for Daily Report (No)'. In the top right corner, there is a 'Latest Events' section with two entries: '[11:47:39] NetFeeler Communication Lost' and '[15:56:42] UPS Load Overrun (80%)'.

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

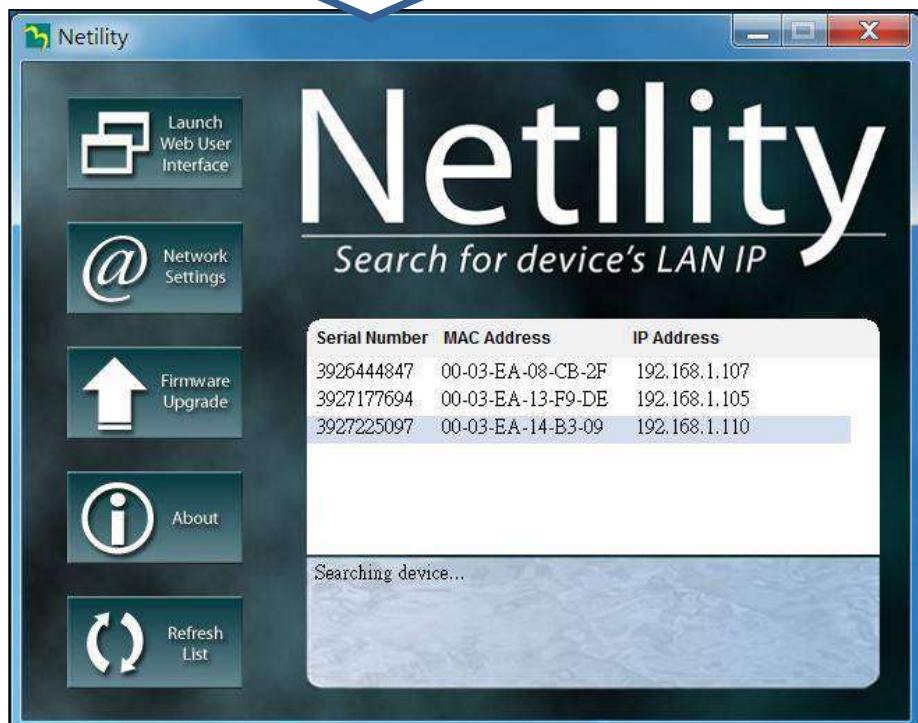




Default port for each protocol

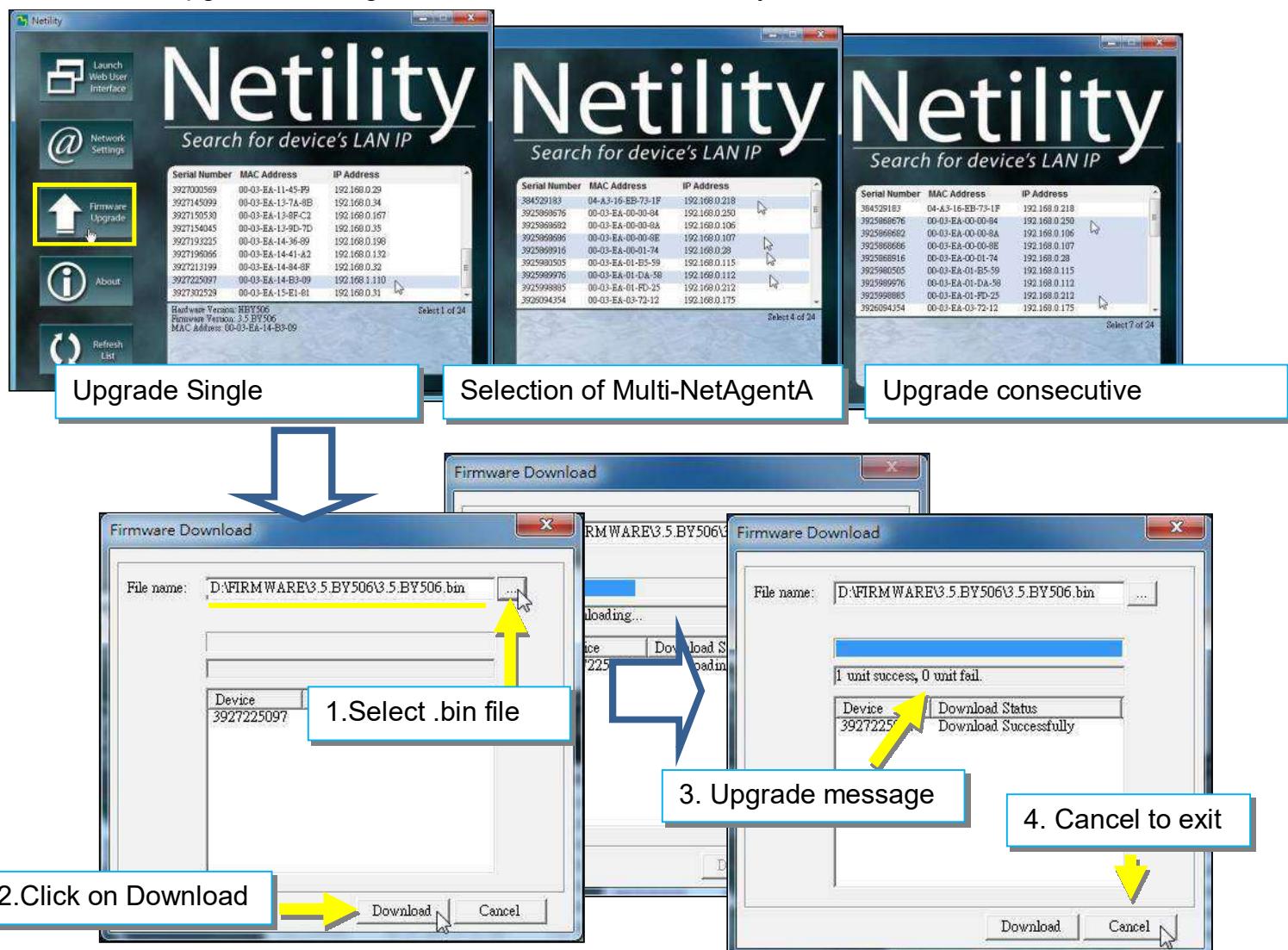


Once password is enabled and configured, it is required to enter the correct password when change any setting or firmware upgrade



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.



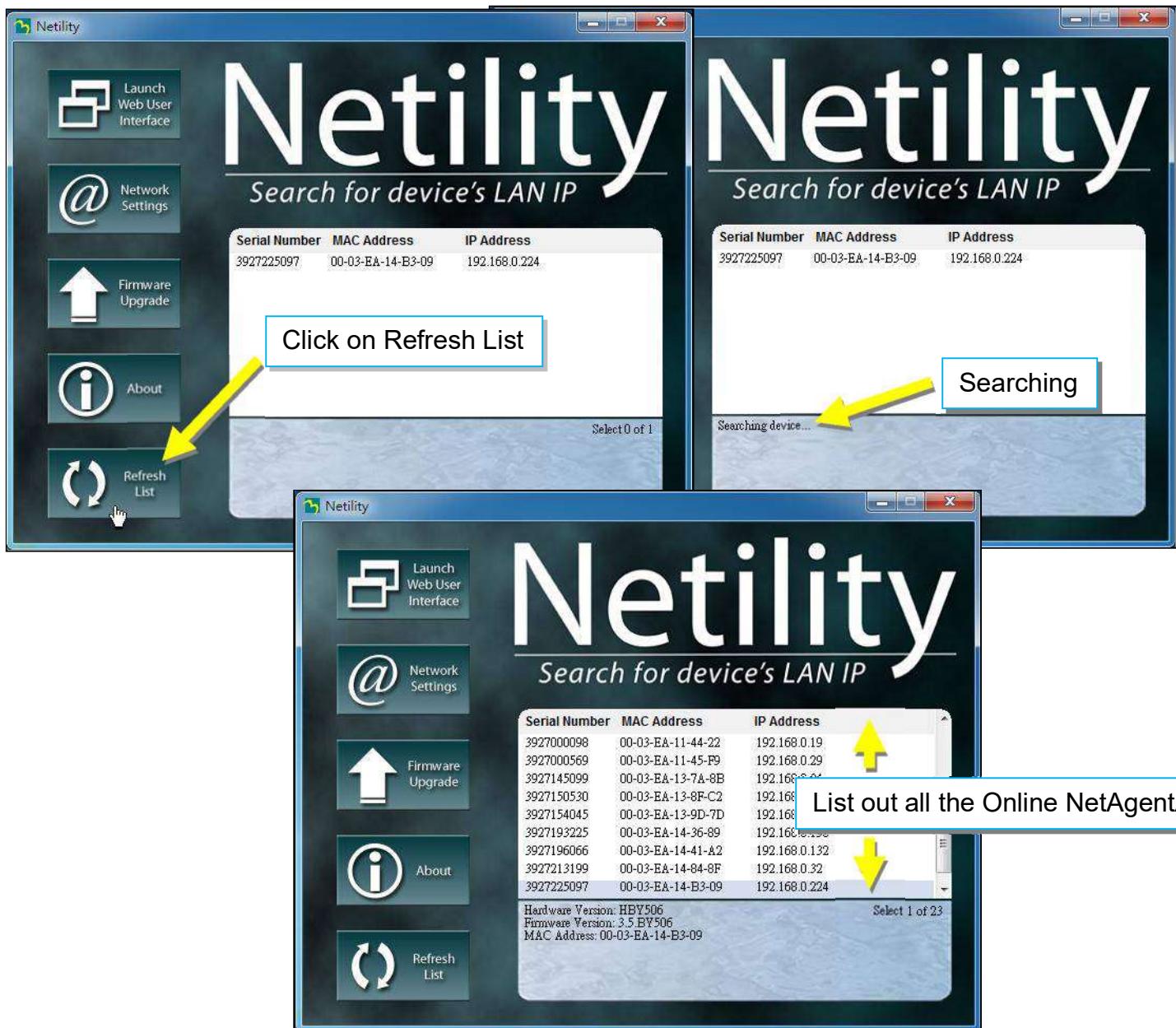
2.4 About

Here shows the current Netility verison



2.5 Refresh List

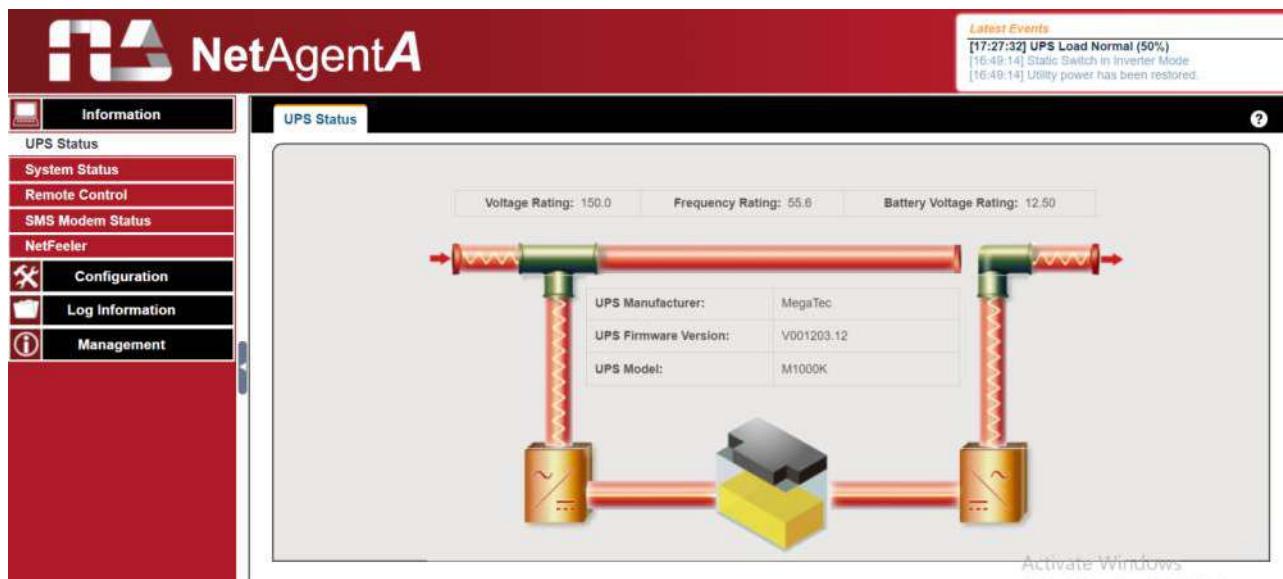
The list on Netility would refresh every 2 minutes automatically, however, manual refresh is also possible by clicking Refresh List



4.4 NetAgentA Web Interface & Setting

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

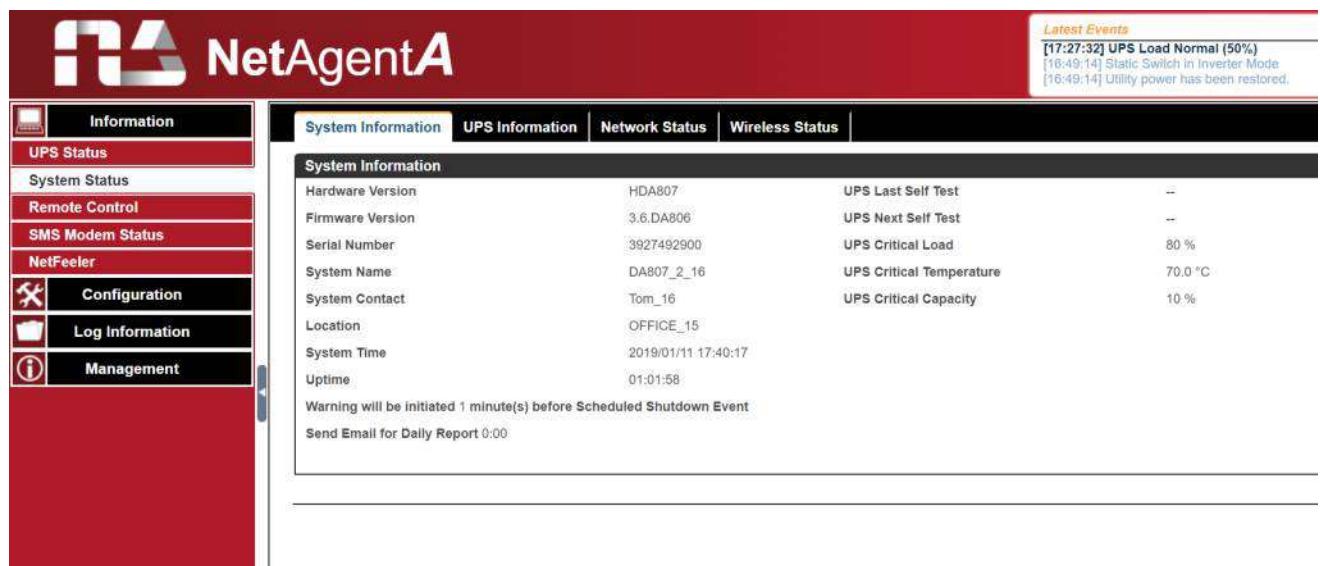
This page is to show the current UPS connection status in graphic mode with Voltage, Frequency and other information.



- **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

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

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

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

■ Information > System Status

• Network Status

This page shows the network information of NetAgentA.

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

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	192.168.66.1

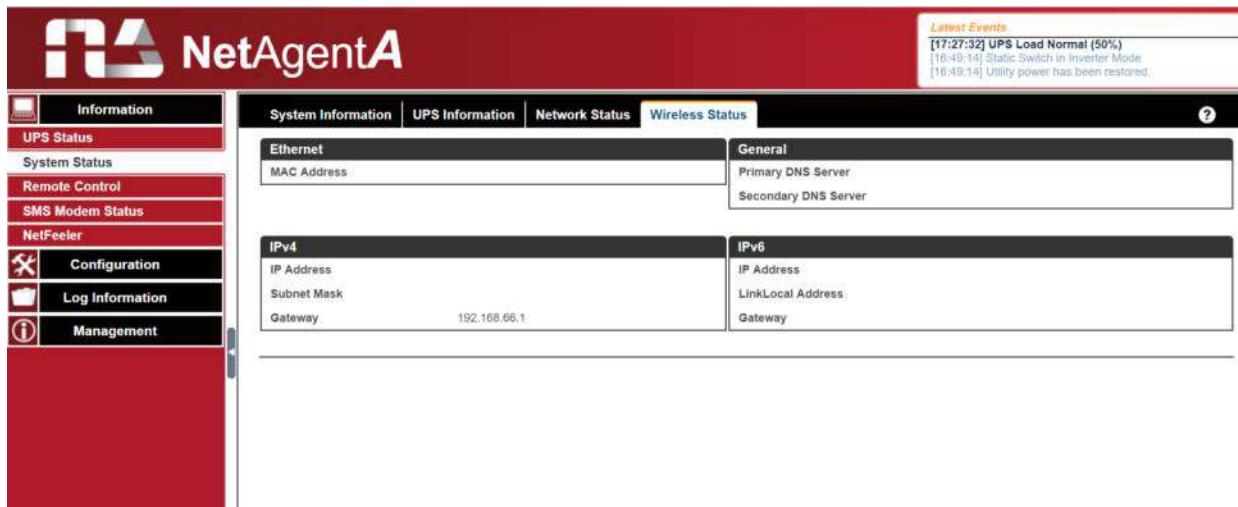
General	
Email Server	smtp.gmail.com
Time Server	swisstime.ethz.ch

PPPoE	
PPPoE IP	
PPPoE IPv6	

■ Information > System Status

• Wireless Status

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



NetAgentA

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

System Information UPS Information Network Status Wireless Status

Ethernet

MAC Address	General
	Primary DNS Server
	Secondary DNS Server

IPv4

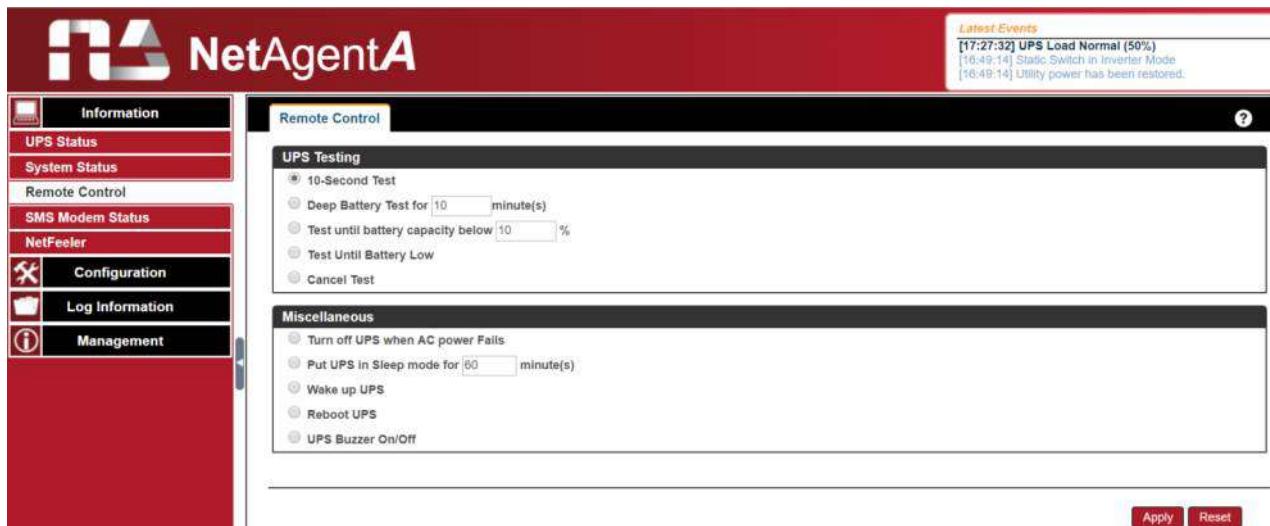
IP Address	IPv6
Subnet Mask	IP Address
Gateway	LinkLocal Address
192.168.66.1	Gateway

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.



NetAgentA

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

Remote Control

UPS Testing

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

Miscellaneous

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

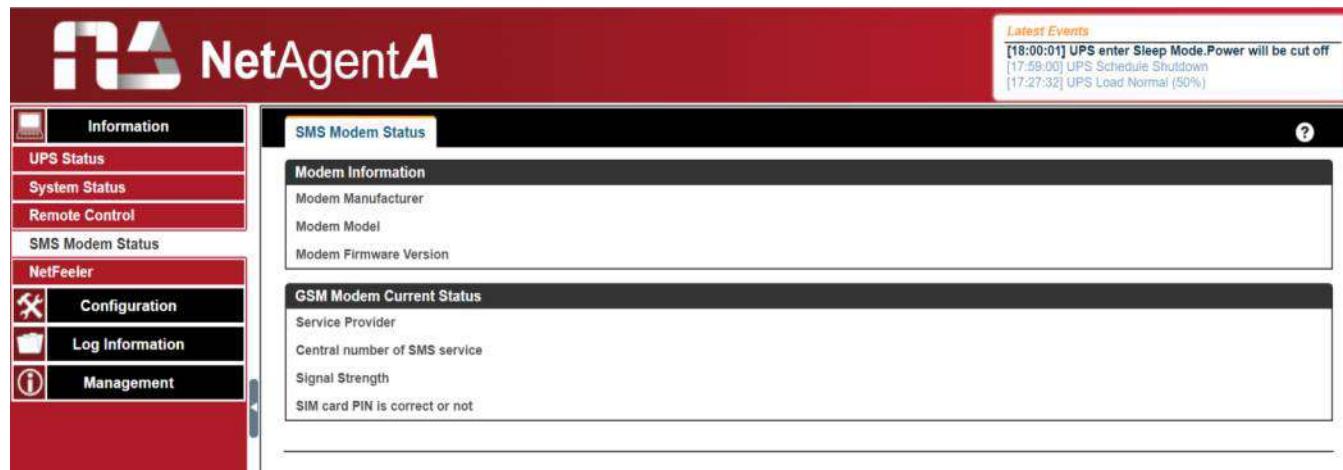
Apply Reset

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 > SMS Modem Status

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

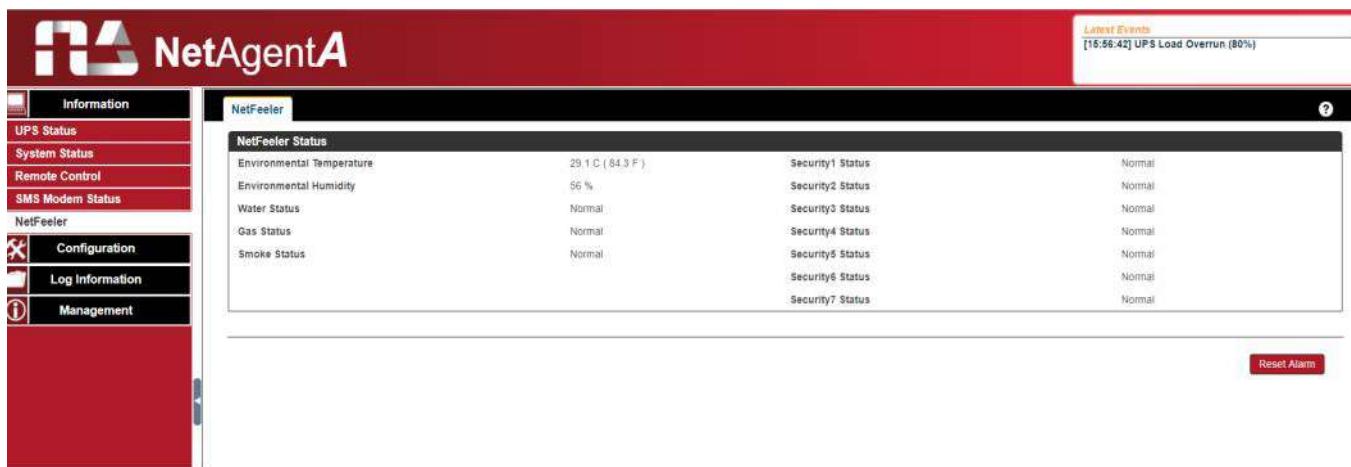


Latest Events

- [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 > NetFeeler

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



Latest Events

- [15:56:42] UPS Load Overrun (80%)

■ 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

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%)

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

- 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

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%)

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

- **Warning Threshold Values**

Time out after loss of connection :

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

Critical Load(%) :

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

UPS Temperature (°C) :

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

Critical Capacity (%) :

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

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

- **UPS Action**

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

• 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.

	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

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

- **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

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

- **Wake On Lan**

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

■ Configuration > Network

This page is to set NetAgentA’s Network settings.

- **IPv4**

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

- **IPv6**

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

★ Once click on Apply, NetAgentA will reboot

- **Ethernet**

Connection Type

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

★ Once click on Apply, NetAgentA will reboot

Stop UPS communication when Ethernet disconnected

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

Modbus on TCP Device ID :

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

- **Dynamic DNS**

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

Service Provider

Dynamic DNS providers can be select from the list

Domain Name

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

Login Name

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

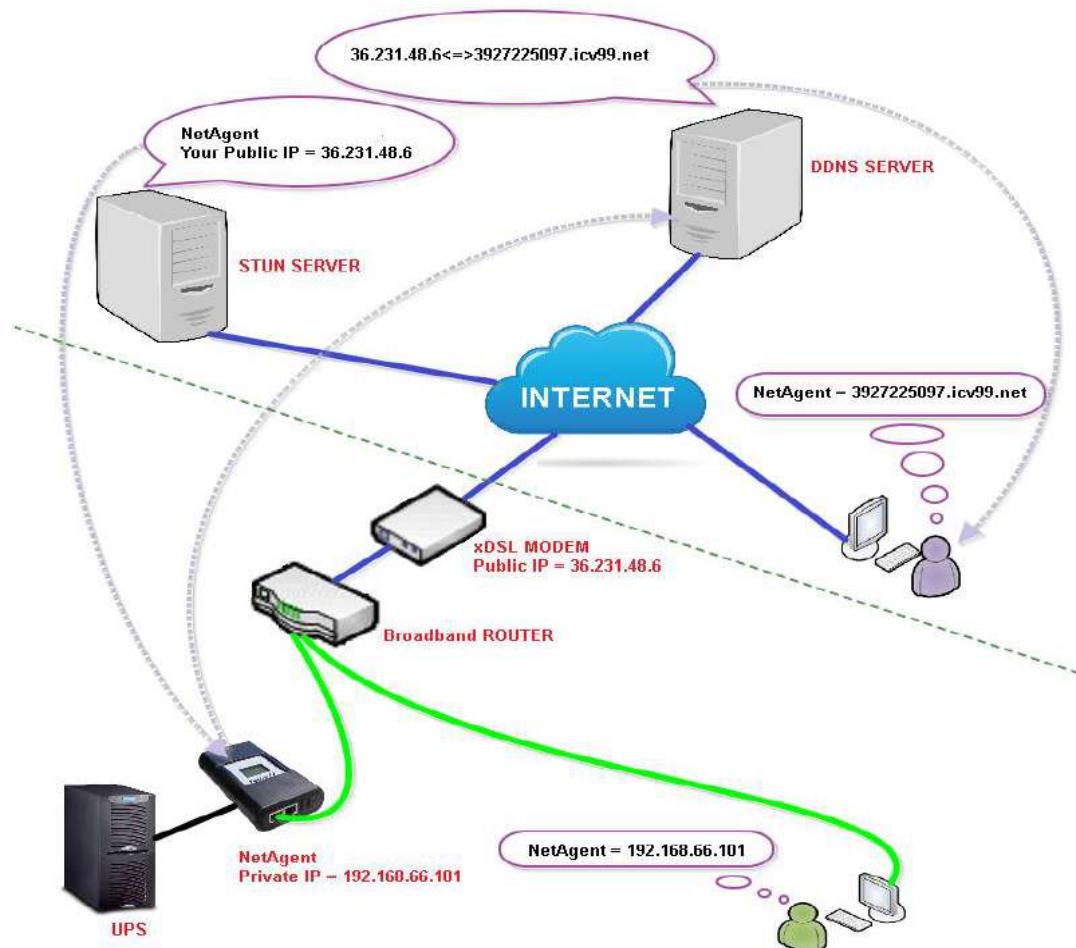
Login Password:

Enter the Password you have assigned to your DDNS Account.

Use external STUN server to get Public IP to register

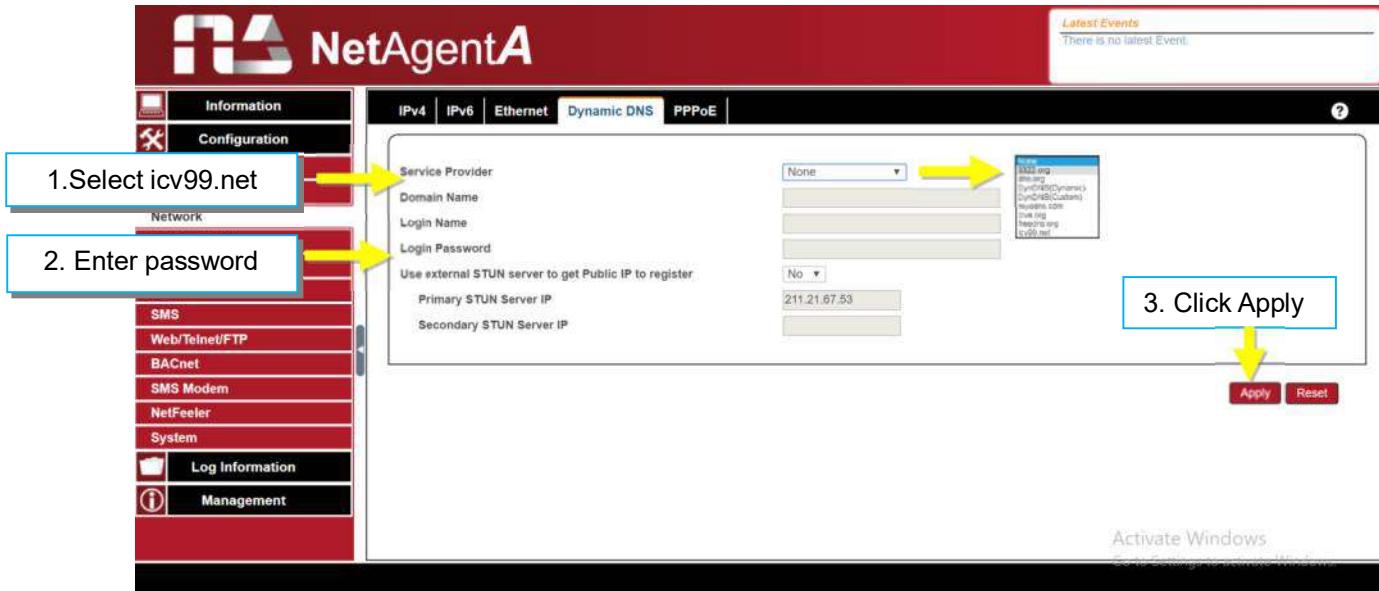
Choose **Yes** to ensure that NetAgentA uses the WAN / Public IP to update

the selected DDNS server



If to use iCV99.net as Service Provider 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

Name	Application Name	Public Port	Protocol	Schedule
BY506	<< (dropdown)	80	TCP	Always

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

NetAgentA

System Information

UPS Status

System Status

Remote Control

SMS Modem Status

NetFeeler

Configuration

Log Information

Management

Information

UPS Last Self Test: --

UPS Next Self Test: --

UPS Critical Load: 80 %

UPS Critical Temperature: 70.0 °C

UPS Critical Capacity: 10 %

Warning will be initiated 10 minute(s) before Scheduled Shutdown Event

Send Email for Daily Report (No)

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.

iMage Server

WAN

LAN

Remote viewing thru: iMage Server

Router

LAN

LAN

http://?2.***.?2.***

http://59.124.238.70

without DDNS

with DDNS

Domain Name: 2927225097 .iCV99.net

Domain Password:

Sign In

Note: This is a free service. It allows you to alias a Dynamic IP ... (more)

Activate

Lost/Forget iMage Password

Lost/Forget DDNS Password

NetAgent9®
Mega System Technologies, Inc.
FC Tested to Comply
with FCC Standards
For Home or Office Use
S/N:Y-3927225097 M.
MAC:00-03-EA-14-B2-E0
Password:24931D03

Lost/Forget iMage Password

Lost/Forget DDNS Password

Domain Name: 2927225097 .iCV99.net

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.



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

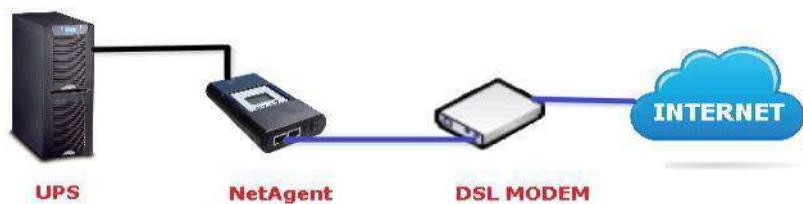
Set New Domain Name	bty505 .iCV99.net	New Domain name
Domain Password	<input type="password"/>	Enter new password
Re-enter Password	<input type="password"/>	
* Blank = Use existing password		
Required, if a new domain name is assigned. Must be 4 to 10 characters (0-9, a-z, A-Z only).		
E-mail address	ttc@gmail.com	Enter email
Required field. Used to retrieve Lost/Forget password.		

Done

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

Select Connect Always

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

When Connection should be made
Connect always ▾

Login Name
Login Password

Enter Login Name

Enter Password

Apply | Reset

Activate Windows
Get 10% Off on Select Windows

■ Configuration > Wireless LAN

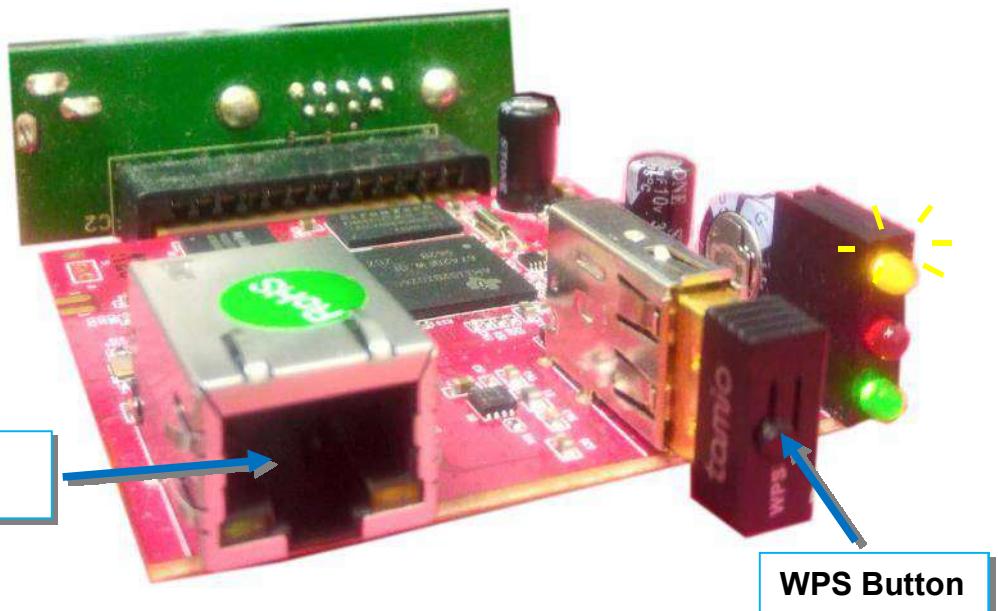
This is to configure NetAgentA Wireless network with compatible USB wireless dongle.

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 网络设置指南

一般设置 WPS WDS 空闲 MAC 地址过滤器 RADIUS 设置 专业设置

无线网络 - WPS

WPS (Wi-Fi Protected Setup) 可让您轻松地设置一个安全的无线网络。

启用 WPS	ON
目前频率	2.4GHz
连接状态	Start WPS Process
配置	是 重新设置
基地台 PIN 码	46312037

您可以透过以下任一方法简便连接一个 WPS 用户端：

- 方法1：点击界面上的 WPS 按钮。（或按下路由器后面板的 WPS 按钮），然后按下用户端无线网卡上的 WPS 按钮并等待约 3 分钟。
- 方法2：開啟用户端 WPS 程式並取得用户端 PIN 码。在用户端 PIN 码欄中输入用户端 PIN 码並點選「開始」。請查看您的无线用户端的使用手册以確認其是否支援 WPS 功能。若您的无线用户端不支援 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 连线模式： WPS 按钮 用户端 PIN 码 **开始**

Start WPS Connection Process

ASUS RT-AC53 网络设置指南

一般设置 **WPS** WDS 空闲 MAC 地址过滤器 RADIUS 设置 专业设置

无线网络 - WPS

WPS (Wi-Fi Protected Setup) 可让您轻松地设置一个安全的无线网络。

启用 WPS	ON
目前频率	2.4GHz
连接状态	Success
配置	是 重新设置
基地台 PIN 码	46312037

您可以透过以下任一方法简便连接一个 WPS 用户端：

- 方法1：点击界面上的 WPS 按钮。（或按下路由器后面板的 WPS 按钮），然后按下用户端无线网卡上的 WPS 按钮并等待约 3 分钟。
- 方法2：開啟用户端 WPS 程式並取得用户端 PIN 码。在用户端 PIN 码欄中输入用户端 PIN 码並點選「开始」。請查看您的无线用户端的使用手册以確認其是否支援 WPS 功能。若您的无线用户端不支援 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 连线模式： WPS 按钮 用户端 PIN 码 **开始**

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)



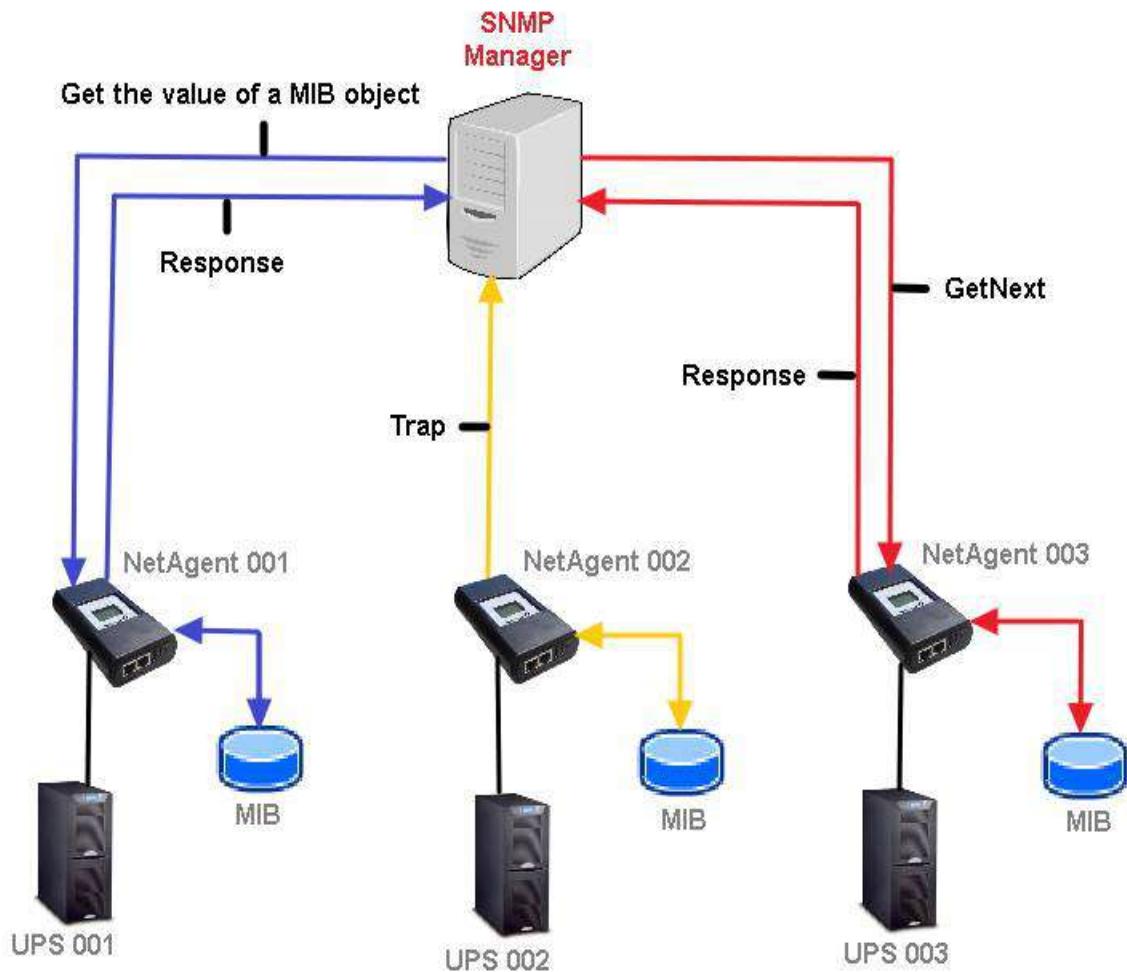
SSID	MAC Address	Network Security	Auth(Enc)
ASUS_RTAC53_2.4G	2cf1da1:0b:92:28	Secure Network	WPA2-PSK(AES)
Mi_Daniel	28:6c:07:5f:32:63	Secure Network	WPA-PSK/WPA2-PSK(AES)
CableWiFi2.4G	08:02:8:fe:4:c:bc	Secure Network	WPA2-PSK(AES)
Xiaomi_0679	28:6c:07:64:06:7a	Secure Network	WPA-PSK/WPA2-PSK(AES)
Megatec_Mi	f0:b4:29:5b:18:12	Secure Network	WPA-PSK/WPA2-PSK(AES)
EclipseTaipei-AP02	10:0f:3f:f9:d3:6e	Secure Network	WPA-PSK(AES)
Megatec_SMC	00:13:f7:a4:44:5a	Secure Network	WPA-PSK/WPA2-PSK(AES)
DASAN_GONT	00:df:0:cb:ce:f0:6:22	Secure Network	WPA2-PSK(AES)

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 NetAgnetA 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 shows the NetAgentA configuration interface. The top navigation bar includes 'General', 'Access Control', 'Trap Notification', 'Device Connected', and a help icon. The main content area is divided into sections: 'MIB System' (with fields for System Name, System Contact, and System Location), 'SNMP UDP Port' (with fields for NetAgentA SNMP Port and Trap Receive Port), and 'SNMPv3 Engine ID' (with a dropdown for Format Type set to 'MAC Address' and a text field containing '80003461030003ea146ac1'). A note at the bottom states: '* : System will reboot when these items have been Applied.' At the bottom right are 'Apply' and 'Reset' buttons, and a 'Activate Windows' link.

- **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

Manager IP Address	Version	Community	Permission	Description
192.168.66.2	V1 & V2C	public	ReadWrite	
192.168.66.5	V3	public	ReadWrite	
User Name: abc Auth. Protocol: MD5 Auth. Password: ***** Privacy Protocol: DES Privacy Password: *****				
At least 8 characters				
..*.* means any IP				

- **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)



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

192.168.2.53	SNMPv3 Inform	>>	public	PPC	Information										Select	Test
				PPC	Information										Select	Test
				PPC	Information										Select	Test
				PPC	Information										Select	Test
				PPC	Information										Select	Test
				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

- **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.

Device	Rating (%)	Connected
1	0	NO
2	0	NO
3	0	NO
4	0	NO

Apply Reset

■ 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 :

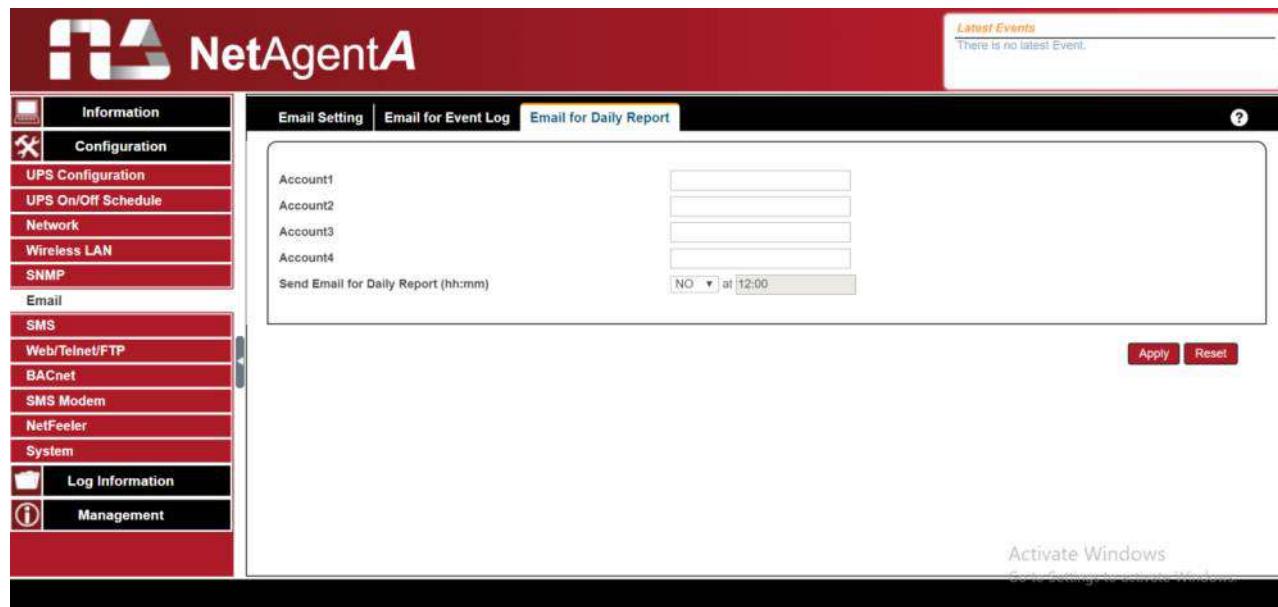
Enter email address to check all configuration is correct or not to receiving mail

- **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.

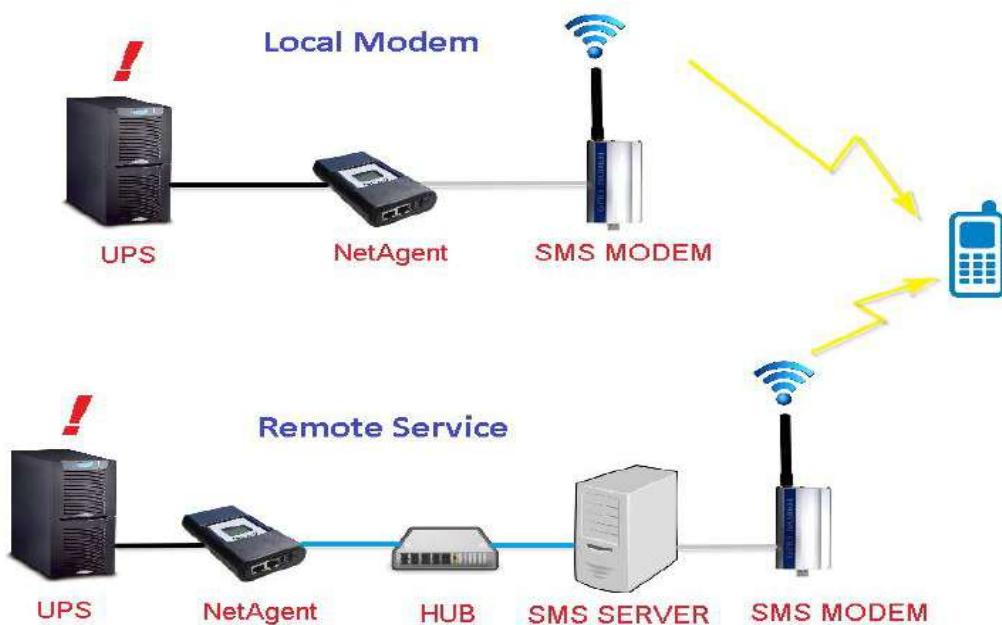
- **Email for Daily Report (To receive daily report)**

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 :

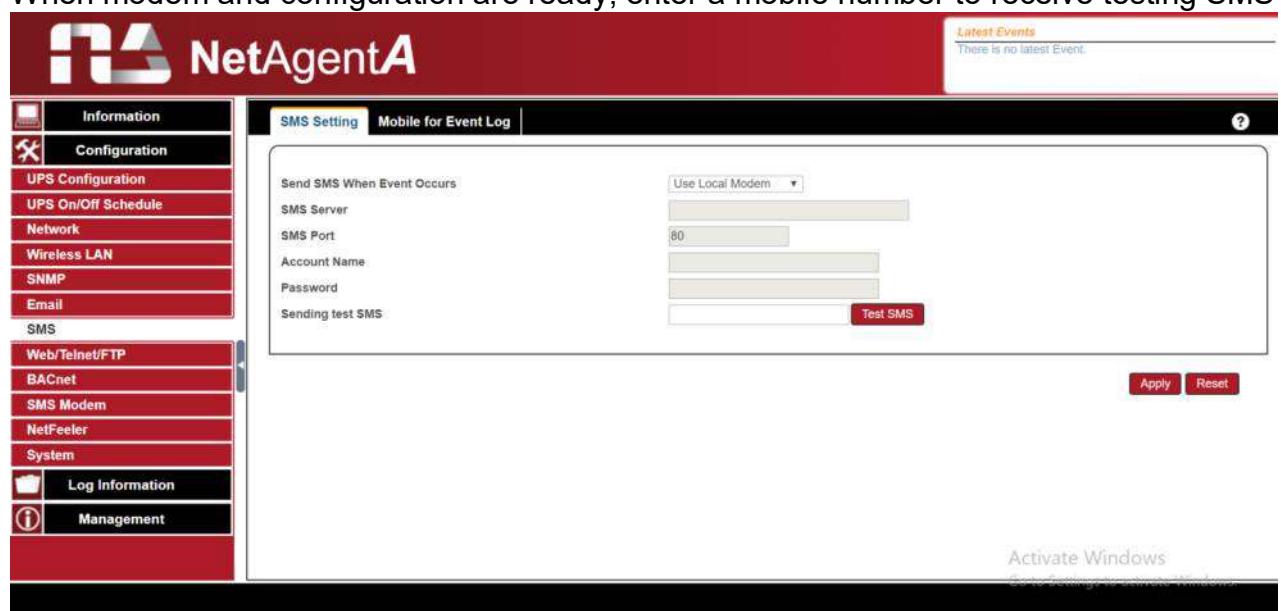
If select to use Remote Service to send SMS, enter SMS Server's account name if required

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 shows the NetAgentA software interface. The main menu on the left includes: Information, Configuration, UPS Configuration, UPS On/Off Schedule, Network, Wireless LAN, SNMP, Email, SMS, Web/Telnet/FTP, BACnet, SMS Modem, NetFeeler, System, Log Information, and Management. The central panel is titled 'SMS Setting' and contains fields for 'Send SMS When Event Occurs' (set to 'Use Local Modem'), 'SMS Server' (set to '80'), 'Account Name', 'Password', and a 'Test SMS' button. Below the central panel are 'Apply' and 'Reset' buttons. The top right corner shows a 'Latest Events' section with the message 'There is no latest Event.'

- **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

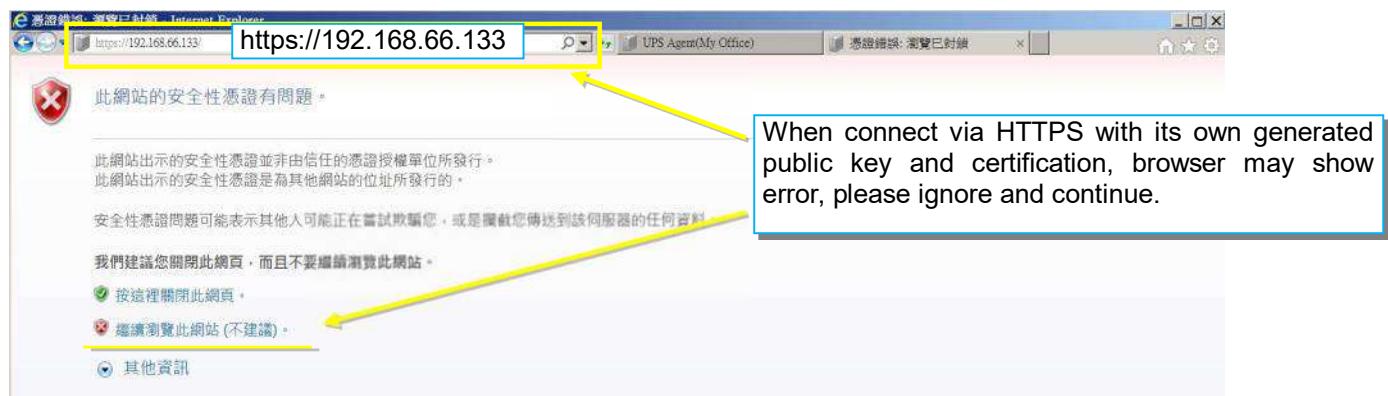
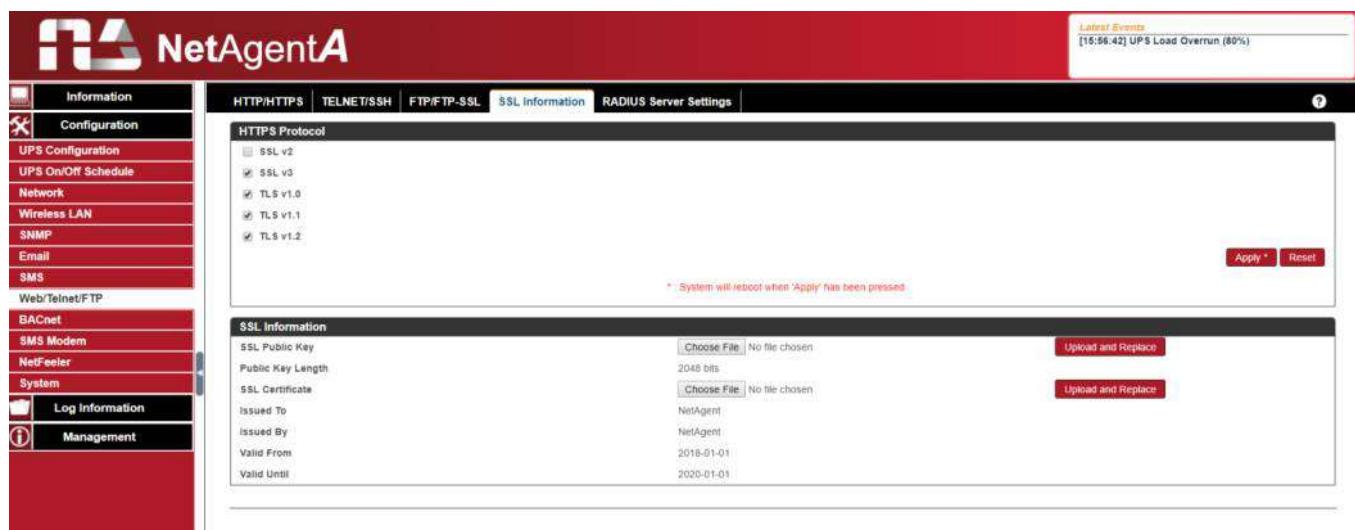
- SSL v2
- SSL v3
- SSL v1.0
- SSL v1.1
- SSL v1.2

★ 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

RADIUS Server Settings	
Enable RADIUS in Web/Telnet login	NO
RADIUS Server Address	192.168.1.100
Authentication Port	812
Shared Key	(redacted)
Connection Timeout	5 second(s)
Connection Retry	3

■ Configuration > BACnet

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

• BACnet

BACNet Device

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

Notification

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

NetAgentA

UPS Configuration

UPS On/Off Schedule

Network

Wireless LAN

SNMP

Email

SMS

Web/Telnet/FTP

BACnet

SMS Modem

NetFeeler

System

Log Information

Management

BACnet

BACNet Device

BACNet Device ID: 1015

BACNet Port (0-65535): 47808

Notification

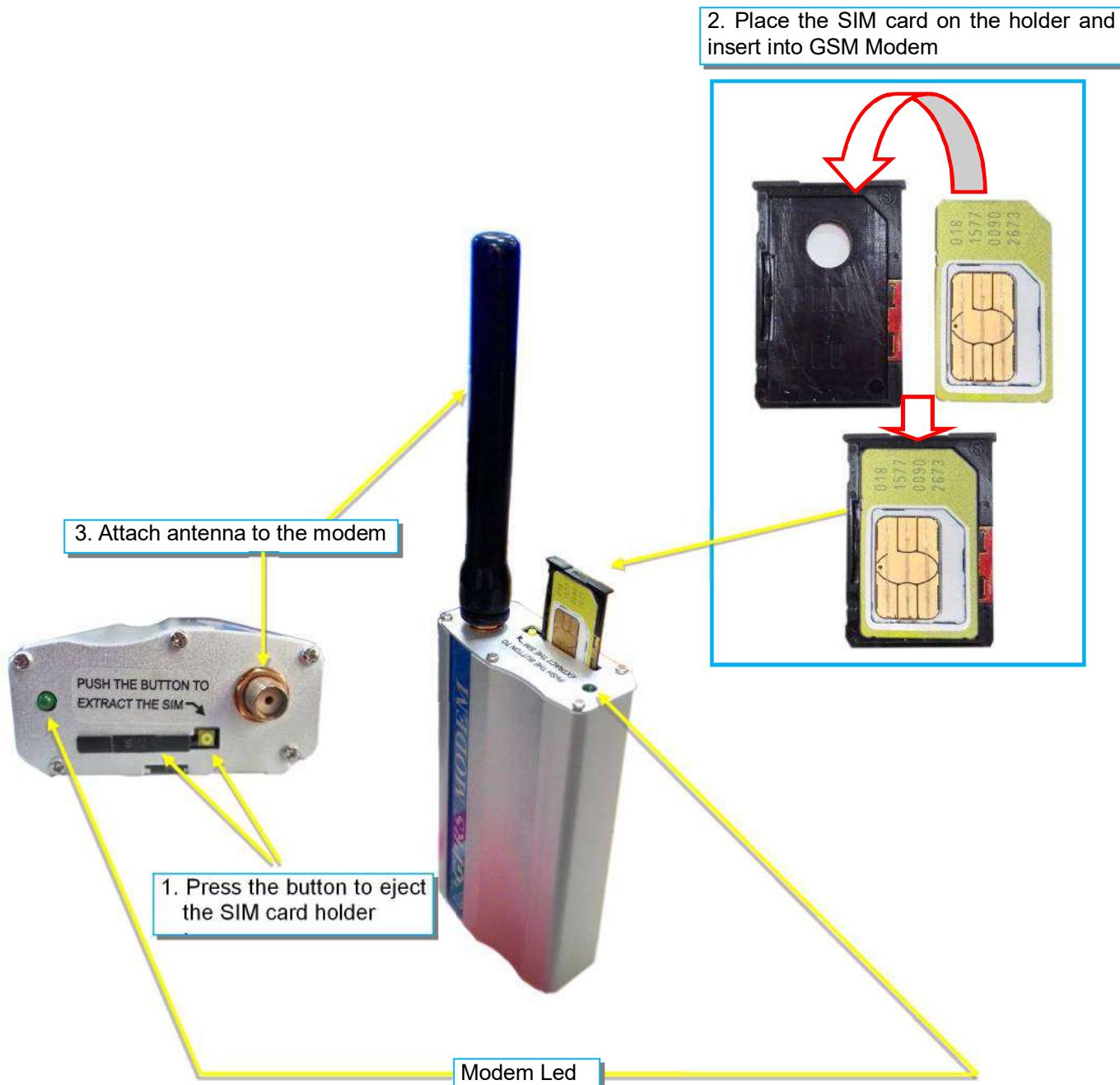
Destination IP	Accept	Port (0-65535)	Severity	Description
	No		Alarm	

Apply Reset

■ Configuration > SMS Modem

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

□ Modem Setup Procedure



Modem Led Status

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

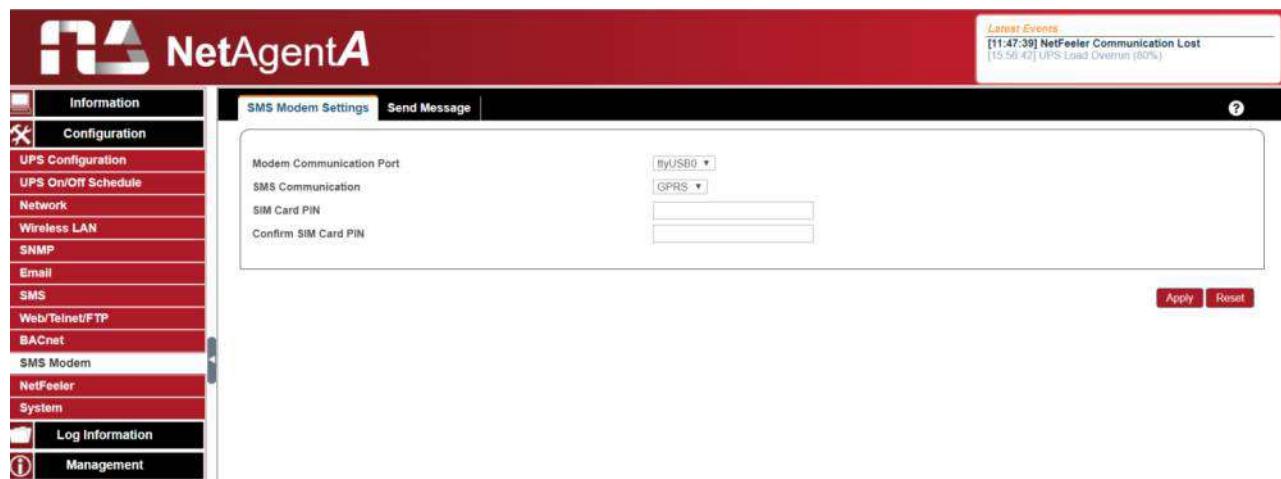
If PIN is required for the SIM card, please enter

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



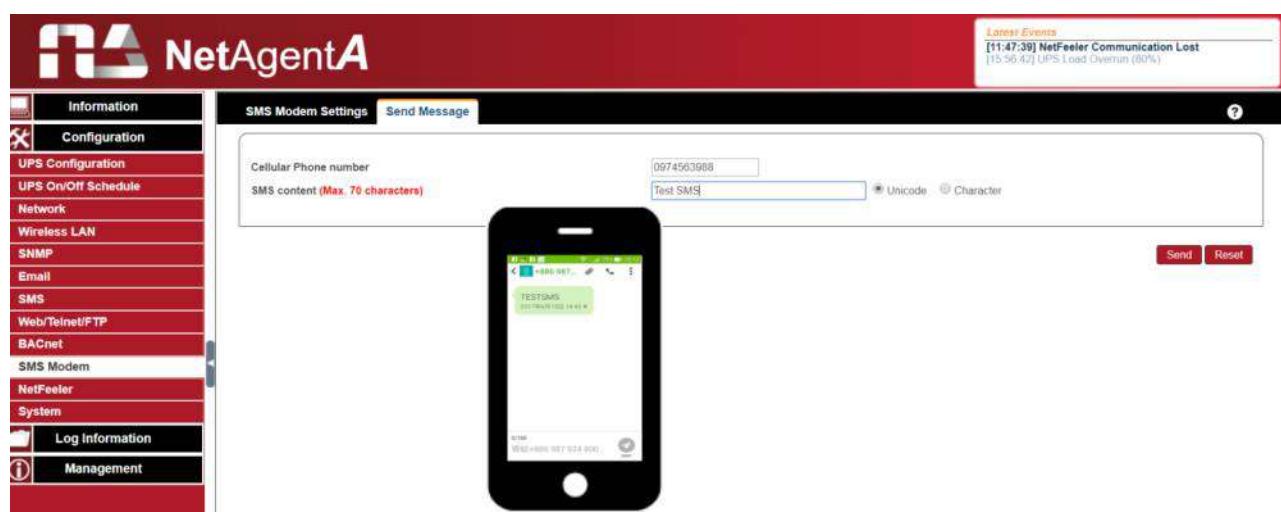
- **Send Message**

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

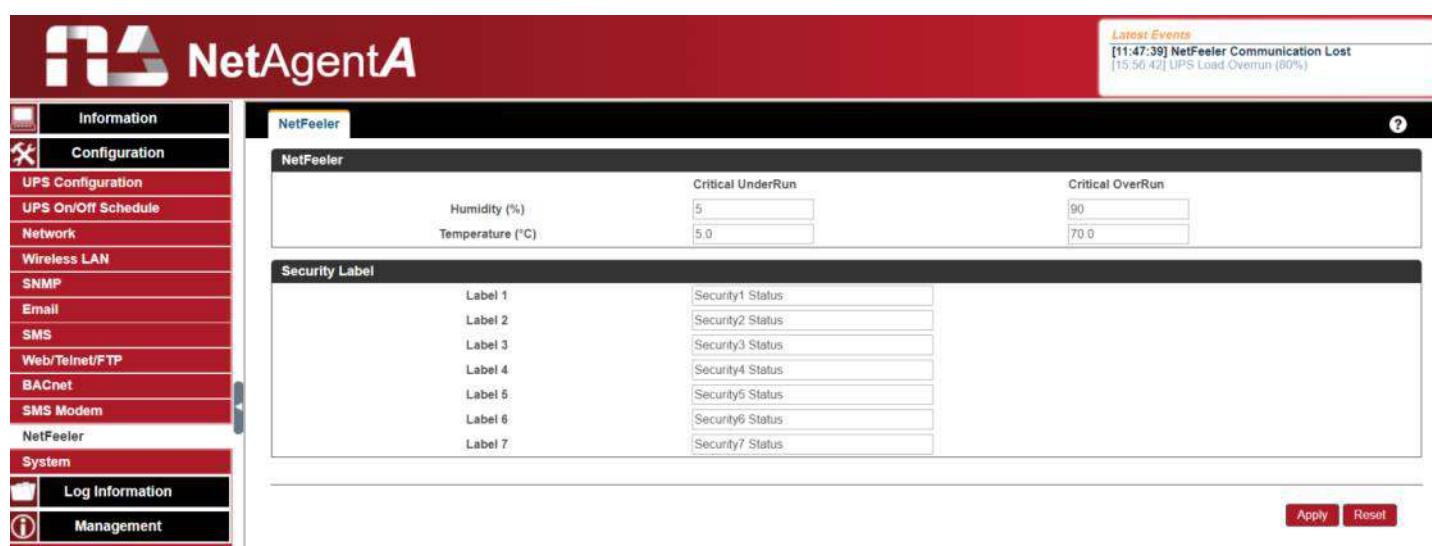
NetFeeler

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.



Security Label	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

■ 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

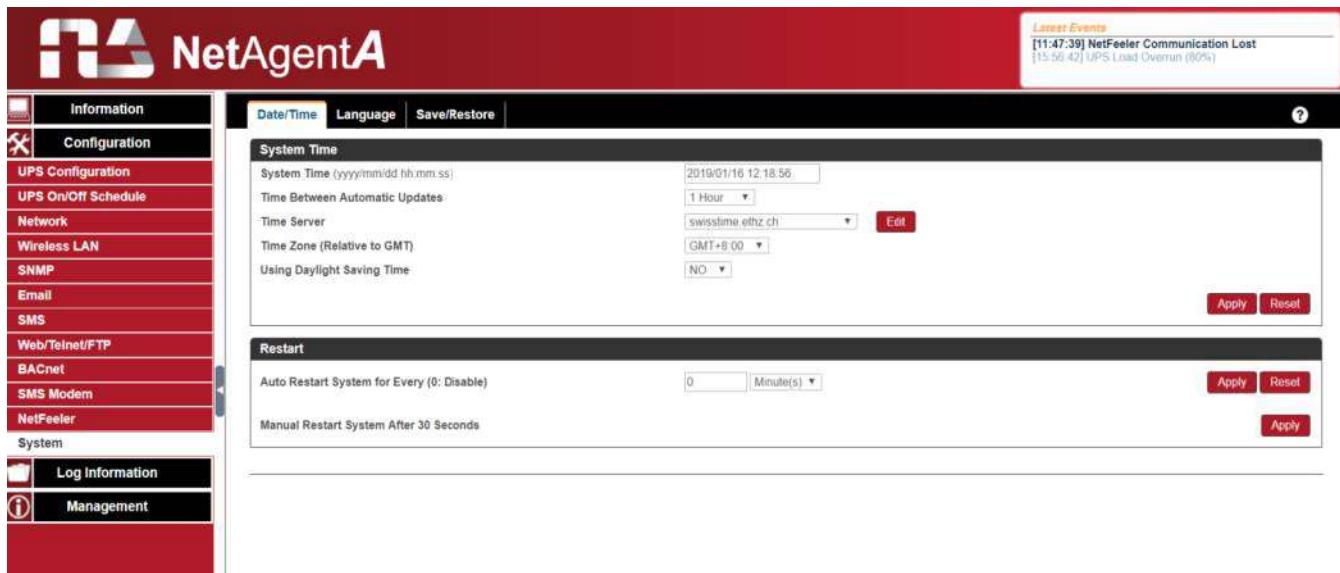
Restart

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



• 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.

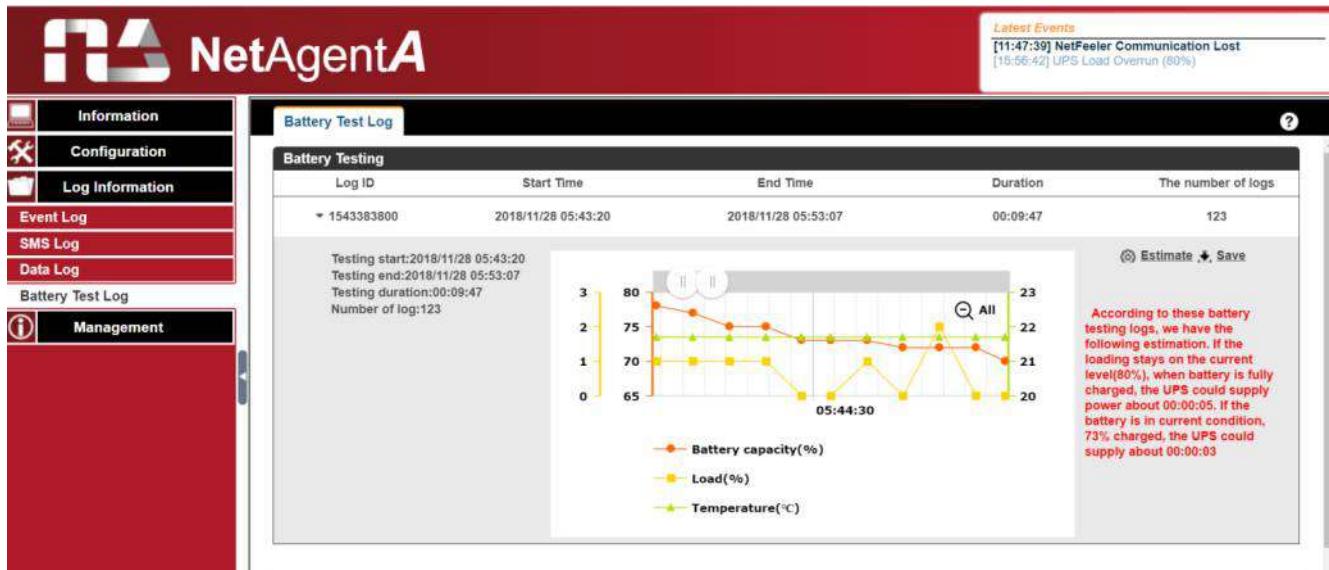
The screenshot shows a table titled "Data Log" for the date 2018/11/28. The table has 21 rows, each representing a data point with columns for Date/Time, Input Volt.(V), Output Volt.(V), Freq. (Hz), Load(%), Capacity(%), Battery Volt.(V), Cell Volt.(V), and Temp.(°C °F). The left sidebar menu includes: Information, Configuration, Log Information, Event Log, SMS Log, Data Log, Battery Test Log, and Management.

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)

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**

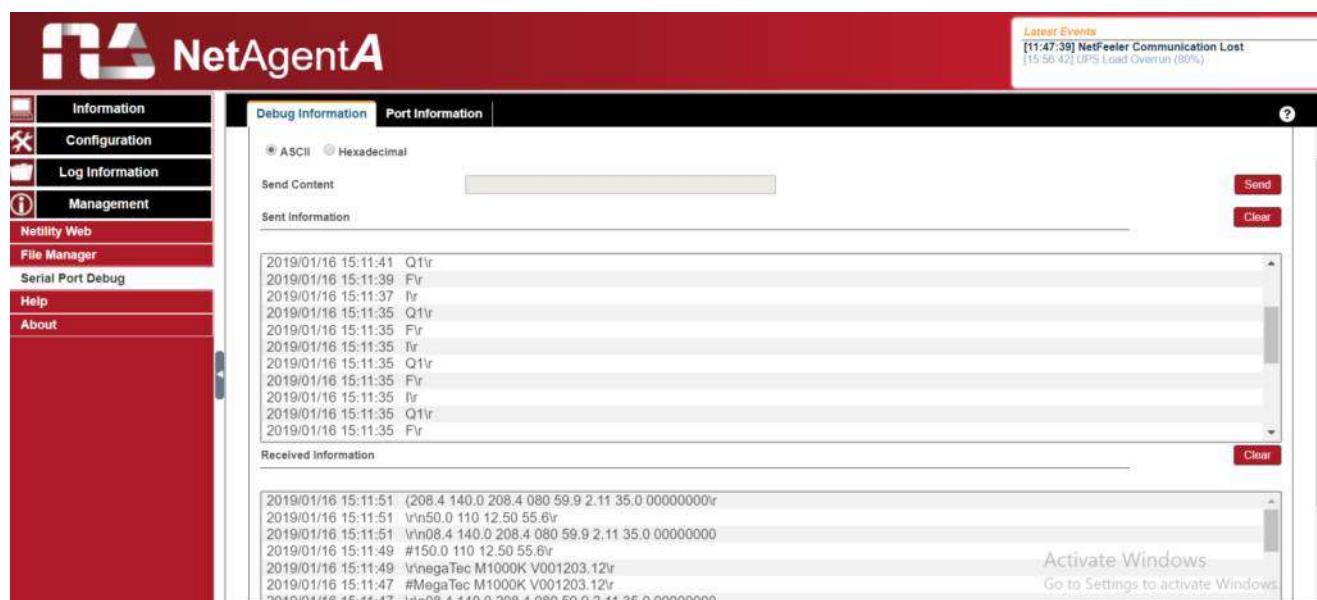
Command can send automatically by NetAgentA, or manually enter the command to UPS.

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.

■ 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 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.

Update Firmware from FTP Client

-Select on Enable

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

-Unzip the file and known the directory path

Execute ftp + NetAgentA's IP address

The image shows a Windows Start Menu on the left and a 'Run' dialog box on the right. The Start Menu includes icons for Netility, MWSnap, UPS Simulator, UPSilon, SNMPView, ClientMate, MIB Browser, Configure Java, iMConfig, and Getting Started. A yellow box highlights the 'Run...' option in the Start Menu. A large blue arrow points from the 'Run...' option to the 'Run' dialog box on the right. The 'Run' dialog box has a title bar 'Run', a text input field 'Open: ftp 192.168.66.133', and buttons for 'OK', 'Cancel', and 'Browse...'. The background shows a blue Windows desktop with a taskbar at the bottom.

-FTP login

```
Connected to 192.168.66.133.  
220 Service ready for new user  
User (192.168.66.133:(none)): admin ← 1. Enter username/password that configured on Netility  
331 need password  
Password: ←  
230 OK  
ftp> ls ← 2. Enter command ls to show available firmware  
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 ← 3. Enter put command with bin file directory  
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 ← 4. Once complete, enter command quit
```