



NetAgentA SNMP Card User's Manual

(Part Number SNMP-DA87-01)

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Introduction

Using a NetAgentA SNMP (Simple Network Management Protocol) card adds network monitoring and management functions to your UPS.

After plugging the card into your UPS and connecting it to your network, you can view the UPS's status and control the UPS merely by entering the card's IP address into a web browser and accessing the card's UI.

Features

Save and Restore card configurations

Easy setup and firmware updating via the Netility software

Management and Configuration using any web browser

Real-time UPS Status and control

Provides SNMP MIB information for monitoring & control

Automatic Event and Data logging

Automatically emailing of Daily Reports

Can send SNMP TRAPs, email, and SMS messages for events notifications

Network management functions via most Network Management Systems (NMS).

Can gracefully shut down computers and servers that have the ClientMate software installed.

Autosensing of Fast Ethernet 10M /100M

Supported Protocols

TCP/IP, UDP, SNMP, Telnet, SNTP, PPP, HTTP, HTTPS, SMTP, FTP, Modbus, and BACnet Protocols

Supports SSL/TLS, SSH Encryptions

Supports SNMP MIB for monitoring & control

Additional Cost Add-ons

- NetFeeler II card for adding temperature, humidity, water, smoke, and door sensing.
- USB modem (Not available from Marathon Power) for sending SMS notifications

Free Downloadable software from our website

Netility is software that helps users search for all the available MegaTec Snmp cards within their LAN, configure IP addresses, and upgrade firmware. Download it at <https://marathon-power.com/s/Netility.rar>

UPSMON Manager is NMS software used to monitor and control multiple cards. With UPSMON Manager, you can view each UPS's location ID, output status mode, battery capacity, AC status, battery status, and other parameters available from your UPS in one window. Plus, you can perform self-tests, send history files, and more. Download it at <https://marathon-power.com/s/UPSMONManagerSetup.zip>

iMConfig is software that allows users to change some UPS parameters one at a time or simultaneously on multiple cards. Please contact Marathon Power at support@marathon-power.com for the latest version of this software.

ClientMate is shutdown software for PCs and Servers. When ClientMate is installed on a computer or server, it receives an AC Failure, battery low, or scheduled shutdown signal from the card. It then saves the client's files and gracefully shuts down the system avoiding a system crash because of a power failure. Download it at <https://marathon-power.com/s/ClientMate-for-Windows-v60.rar>

SMS Server Software allows the card to communicate with an SMS Server. Please contact Marathon Power at support@marathon-power.com for the latest version of this software.

Our posted software is compressed using the rar format. 7-zip is a free program for opening rar files. It is available at <https://www.7-zip.org/download.html>

After installing 7-zip, you are given options for using the program; choose File Manager. And then click on Extract on the upper left-hand side of the Toolbar. Finally, save the extracted exe file to your preferred location.

SNMP Card Installation



Find the correct SLOT on the UPS and remove the panel



Align the card in the slot and gently push it in.



Reattach the screws to secure it in place



Connect a LAN cable



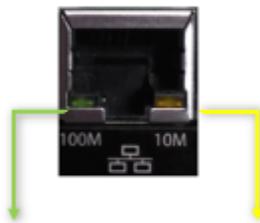
Turn ON UPS



LED Indications on the card



RJ45 Port



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

LED Status

Status	Power On	Lost Communication	Writing Firmware
Yellow 	On	On	Off
The card 9 Status			
Red 	Off	Flashing	Flashing
UPS Communication			
Green 	On	On	On
Power			

NOTE: When loading firmware, the red LED alternating flashes, DO NOT remove the card from the UPS.

Connecting to the SNMP-DA87-01 Card

The SNMP-DA87-01 card has a default static IP address of **192.168.1.254** Subnet Mask: **255.255.255.0** Default Gateway: **192.168.1.1**

The best way to connect to the card is by using an ethernet cable between your computer and the card. You may need to change your computer's IP address to **192.168.1.2** Subnet Mask: **255.255.255.0** Default Gateway: **192.168.1.1** for proper communication.

After making the connections above, open any web browser, and enter **192.168.1.254** into the address bar. The SNMP-DA87-01 card does not require entering a username and password by default.

If your computer does not have an ethernet port, you can use a simple Wi-Fi router between your computer and the card. First, wirelessly connect your computer to the router using Wi-Fi, and then make a wired connection between the router and the card with an ethernet cable.

Netility - SNMP card Configuration Utility

Netility is software that searches for all the available MegaTec SNMP cards on your LAN, configures IP addresses, and upgrades firmware. Download it at <https://marathon-power.com/s/Netility.rar>

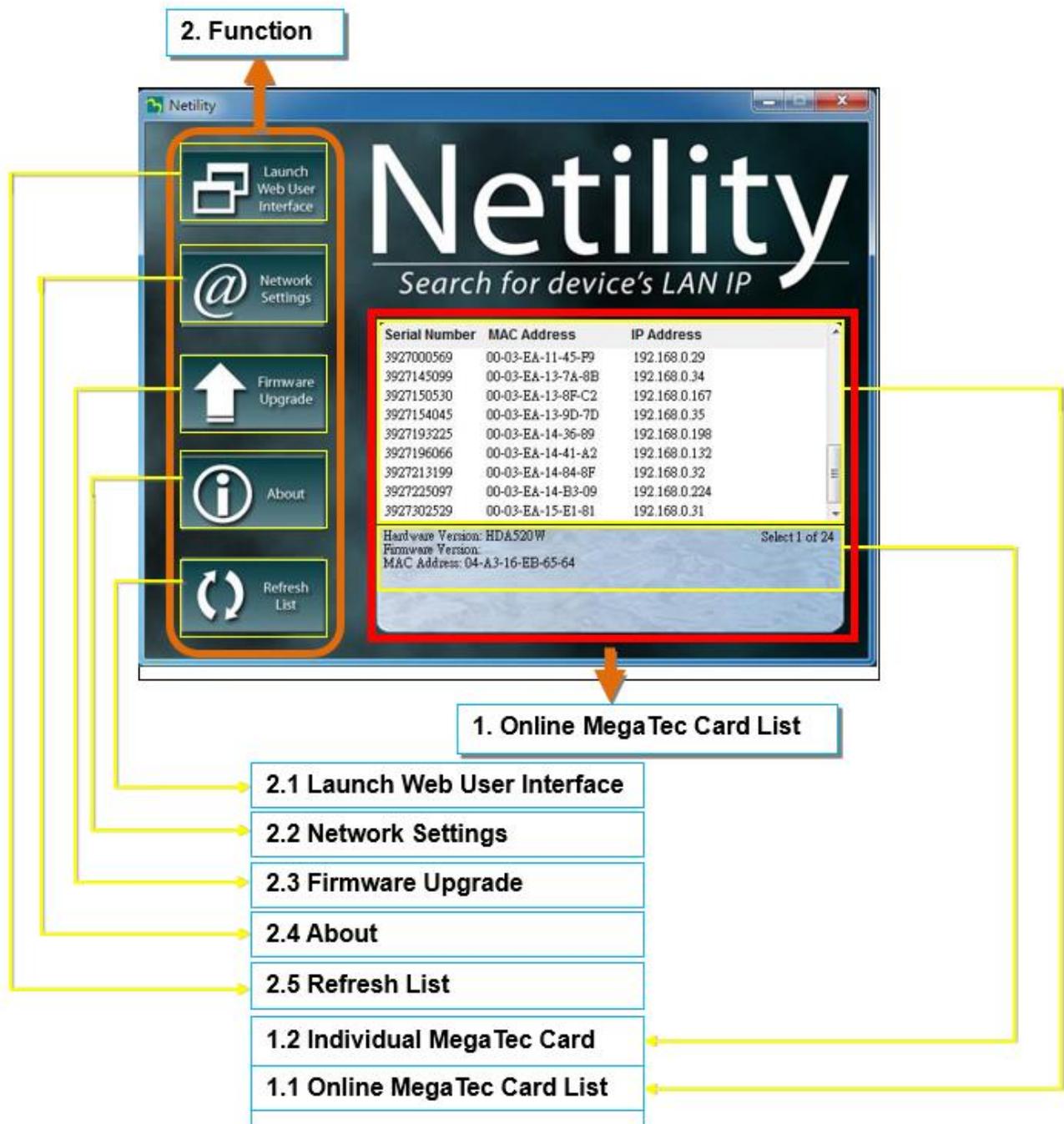
NOTE: Each MegaTec card has its unique serial number / MAC address. It is available on the underside of each card and helps identify it in Netility. (The password on the label allows for card recovery if a password is forgotten.)



Netility UI Structure

The Netility main page has a function section and an Online NetAgent card List.

1. Online NetAgentA List
2. Function Selection



Online MegaTec Card List

When you open Netility, it automatically searches for all the available MegaTec SNMP cards and then displays the card's serial number, IP address, and MAC address. Double-clicking on a single MegaTec card takes you directly to the card's webpage. (The list refreshes automatically every 2 minutes)

The Netility application interface displays a list of MegaTec cards. The top screenshot shows the initial list with a yellow box highlighting the table. The bottom screenshot shows the same interface with a yellow arrow pointing to a specific card and a callout box that says "Double click to login to the webpage".

Serial Number	MAC Address	IP Address
3927000569	00-03-EA-11-45-79	192.168.0.29
3927145099	00-03-EA-13-7A-8E	192.168.0.34
3927150530	00-03-EA-13-8F-C2	192.168.0.167
3927154045	00-03-EA-13-9D-7D	192.168.0.35
3927193225	00-03-EA-14-36-89	192.168.0.198
3927196066	00-03-EA-14-41-A2	192.168.0.132
3927213199	00-03-EA-14-84-8F	192.168.0.32
3927225097	00-03-EA-14-B3-09	192.168.0.224
3927302529	00-03-EA-15-E1-B1	192.168.0.31

Hardware Version: HD&520 W
Select 1 of 24

Hardware Version: HEY506
Firmware Version: 3.5.EY506
MAC Address: 00-03-EA-14-B3-09
Select 1 of 23

Individual MegaTec Card Information

Highlighting a specific MegaTec card displays its hardware version, firmware, and MAC address. You can also see the total number of MegaTec cards found by Netility.

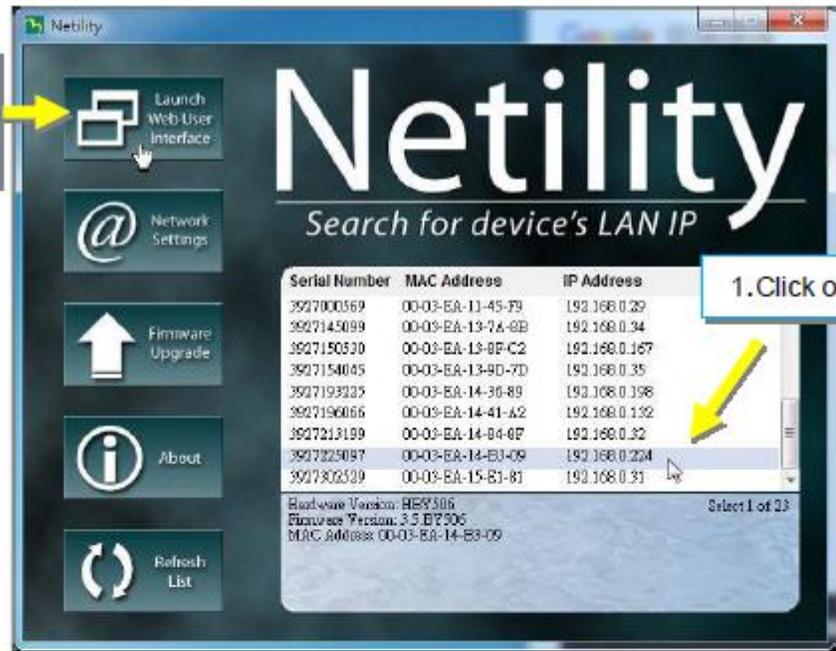
The screenshot shows the Netility web interface. On the left, there are navigation buttons: Launch Web User Interface, Network Settings, Firmware Upgrade, About, and Refresh List. The main area displays a table of MegaTec cards with columns for Serial Number, MAC Address, and IP Address. One card is highlighted in blue. Below the table, the details for the selected card are shown: Hardware Version: HE9506, Firmware Version: 3.5.E9506, and MAC Address: 00-03-EA-14-B3-09. A callout box labeled 'Click on NetAgentA' points to the IP address column. Another callout box labeled 'Hardware Version' points to the hardware version field. A third callout box labeled 'Firmware Version' points to the firmware version field. A fourth callout box labeled 'Total Number of NetAgentA found and selected' points to the 'Select 1 of 13' text.

Serial Number	MAC Address	IP Address
3927000569	00-03-EA-11-45-79	192.168.0.125
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-14-41-02	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-B1-81	192.168.0.31

Hardware Version: HE9506
Firmware Version: 3.5.E9506
MAC Address: 00-03-EA-14-B3-09

Select 1 of 13

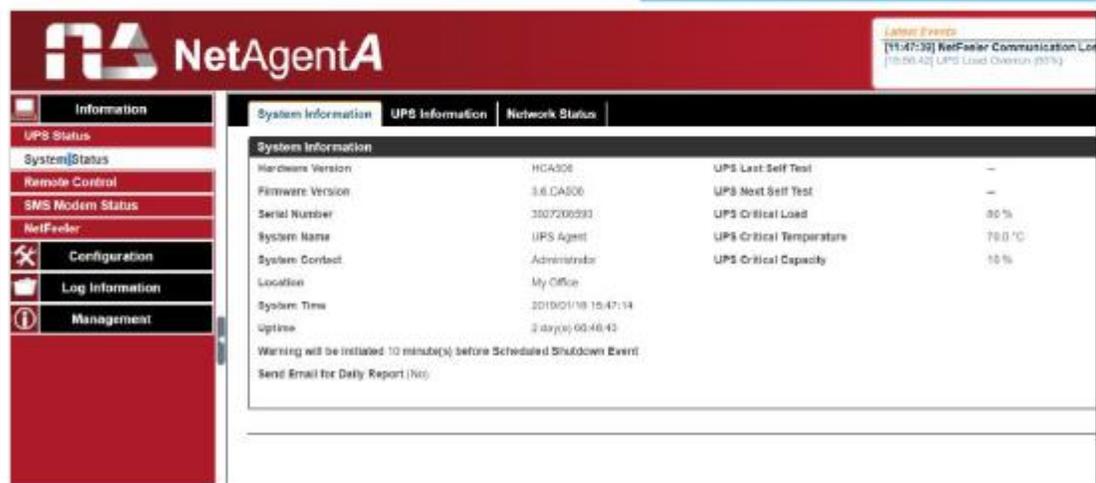
2. Click on Launch Web User Interface



1. Click on NetAgentA



Login to the webpage of such NetAgentA



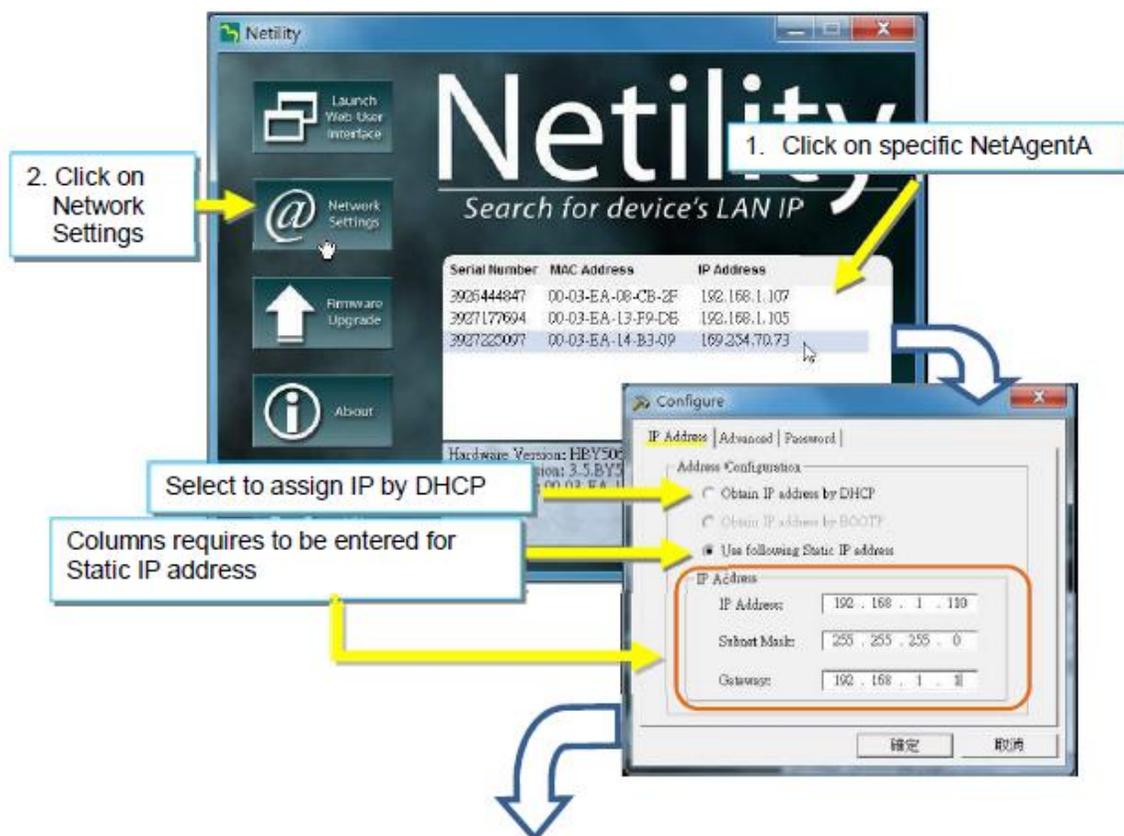
Netility Network Settings Tab

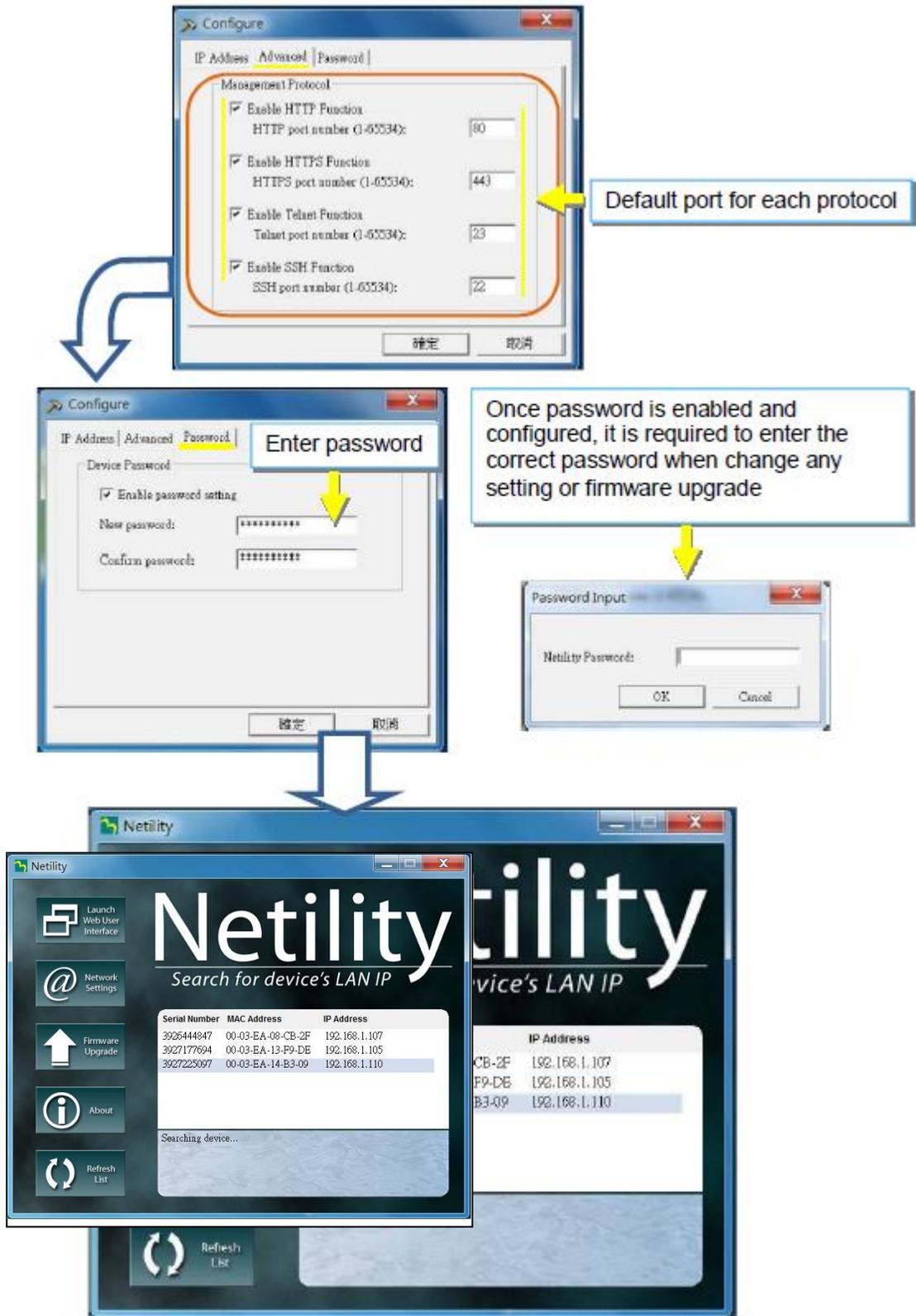
This allows you to view or configure the card's networking information.

When using DHCP or BOOTP, the IP address, and other network parameters are assigned by the network

The card offers four network protocols for management: HTTP / HTTPS / TELNET / SSH.

If a password was enabled, it is necessary to enter the correct password before making any configuration changes and firmware upgrades.





Netility's Firmware Upgrade Tab

Warning!

The MegaTec's STANDARD firmware is not fully compatible with our products.

Using it may result in loss of functionality of the card or the UPS.

Please access the card and go to the card's Management Tab/About/Update Firmware to update the firmware or contact Marathon Power directly at support@marathon-power.com for the correct firmware.

Methods of upgrading the card's firmware,

(1) Click on a specific card from the Netility list

(2) Press and hold the CTRL key to select multiple cards from the list.

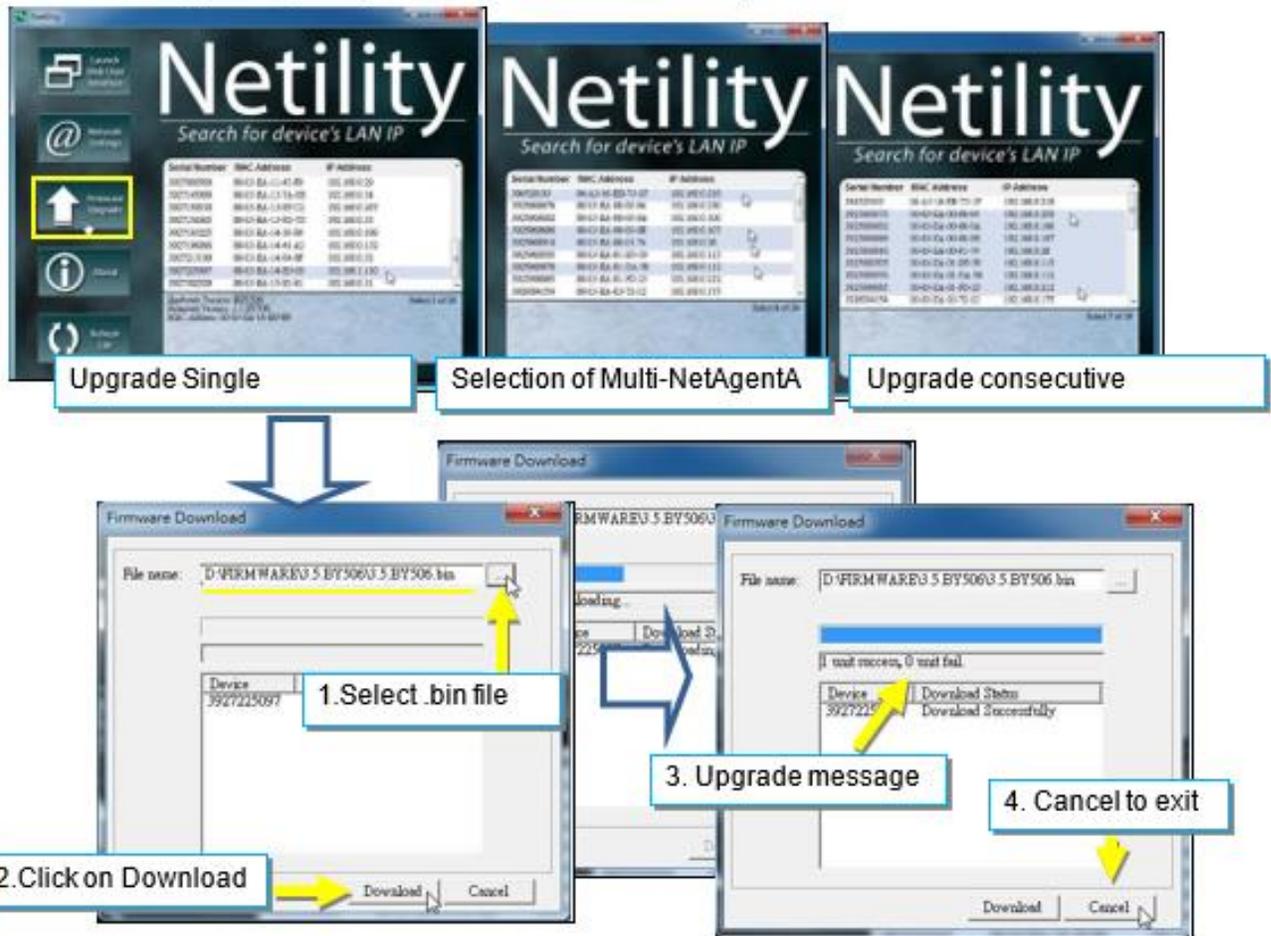
(3) Click on the first card from the list, then press and hold on the SHIFT key and then click on the last card in the list.

IMPORTANT! Please make sure if you select multiple cards that, they are the same Hardware model

If there is any failure during firmware upgrading, please try again. If the error occurs again, check that the hardware and firmware are compatible.

While upgrading, the red and yellow LED could alternatively flash. DO NOT remove any power or cable to the card. Once the firmware has been successfully upgraded, the card reboots automatically.

If a failure occurs during firmware upgrading, please try to upgrade the card again. If the 2nd attempt fails, please contact Marathon Power at support@marathon-power.com for assistance.

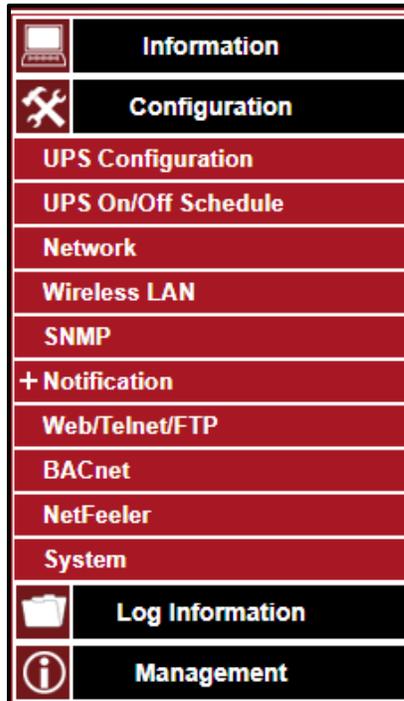


Refresh List Tab

The list on Netility would refresh every 2 minutes automatically. However, a manual refresh is also possible by clicking "Refresh List."

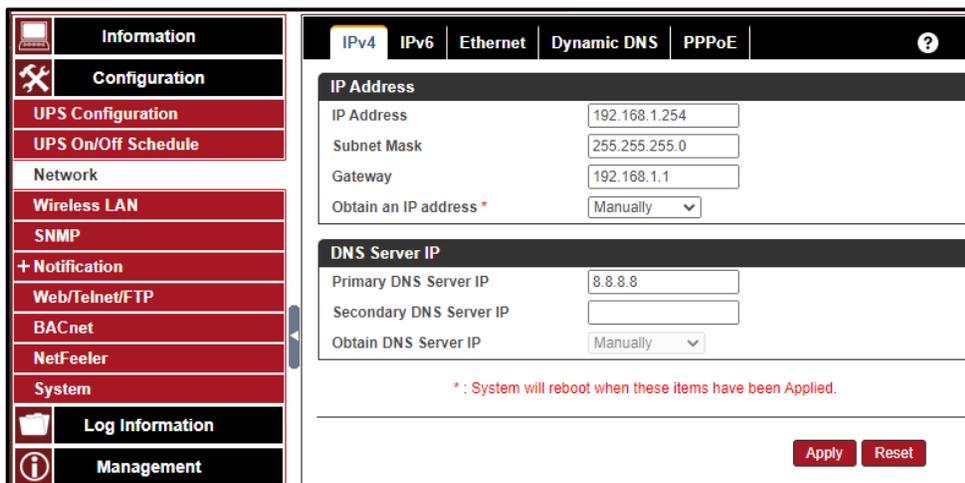
Quickly Setup the SNMP Card

You will need to access four sub-menus on the card for proper configuration, Configuration/ Network, Configuration/SNMP, Configuration/Email, and Configuration/System Time



1. Network - Assigning a Unique IP Address

Enter a unique IP address to connect the SNMP card to your network properly



2. SNMP - System Naming

The screenshot shows the SNMP configuration interface. The left sidebar is expanded to 'Configuration' > 'SNMP'. The main content area has tabs for 'General', 'Access Control', 'Trap Notification', and 'Device Connected'. The 'General' tab is selected, displaying the following fields:

- MIB System:** System Name (UPS Agent), System Contact (Administrator), System Location (My Office)
- SNMP UDP Port:** NetAgent SNMP Port (161), Trap Receive Port (162)
- SNMPv3 Engine ID:** SNMPv3 Engine ID Format Type (MAC Address), SNMPv3 Engine ID Text (80003461030003ea07356c)
- Description:** (Empty text field)

A red warning message at the bottom states: "* : System will reboot when these items have been Applied." Below the warning are 'Apply' and 'Reset' buttons.

Enter a unique ID/Name into the “System Name” field using the SNMP sub-menu.

The “System Name” appears in the subject line of the event notifications emails.

The “System Location” only appears in the body of the email.

3. Setting Up Email Notifications

Enter the information for the sending Email Server and the sender’s account information.

The screenshot shows the Email Setting configuration interface. The left sidebar is expanded to 'Configuration' > 'SNMP' > 'Notification' > 'Email'. The main content area has tabs for 'Email Setting', 'Email for Event Log', and 'Email for Daily Report'. The 'Email Setting' tab is selected, displaying the following fields:

- Email Server:** (Empty text field)
- Email Port:** (25)
- Enable SSL on Email:** (NONE)
- Transmission:** (Empty text field)
- Sender's Email Address:** (Empty text field)
- Email Server Requires:** (NO)
- Authentication:** (Empty text field)
- Account Name:** (Empty text field)
- Password:** (Empty text field)
- Sending test mail:** (Empty text field) with a 'Test Mail' button

At the bottom right are 'Apply' and 'Reset' buttons.

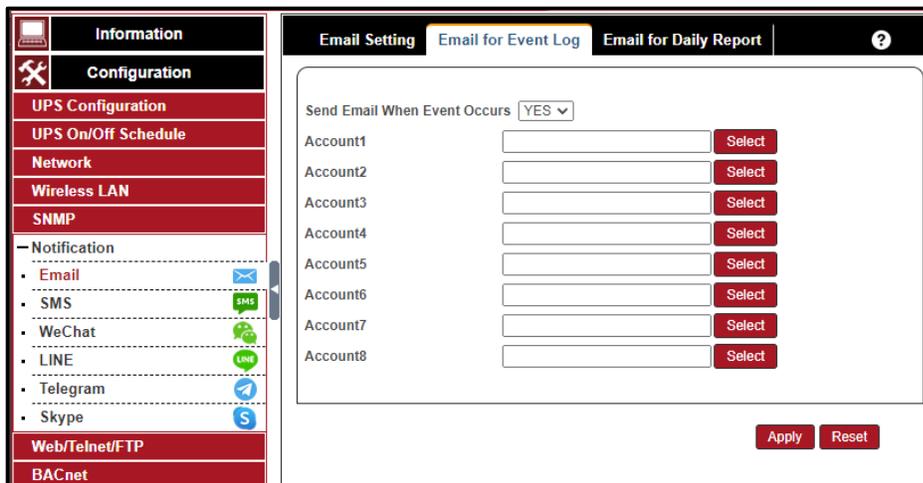
You must enter a “Sender’s” email address to send email notifications.

We recommend using a unique email address/account only for UPS event emails instead of an individual's email address, for example, mytownsupss@ourtownUSA.gov. Using an individual's email could be a problem later if the person's responsibilities change or multiple technicians enter their own email addresses.

Doing this allows all the UPS event emails to be managed from one email account and program like Outlook, giving an organization a central point for email management, updating, and security, instead of at each SNMP card.

4. Emailing of UPS Events

Enter the email addresses of the people needing to receive UPS event notifications. The Select button allows you to select which notifications are sent to that person.



5. Available Event Notifications

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"/>	

6. Emailing of Daily Report

Enter the email addresses of the people needing to receive a daily copy of the event and data logs as a CSV file. We recommend sending the Daily Reports at 23:58

The data and event logs are also available for download using the card's UI.

The screenshot shows a web interface with a left sidebar and a main content area. The sidebar has a menu with categories: Information, Configuration, Notification, Web/Telnet/FTP, and BACnet. Under Configuration, there are items like UPS Configuration, UPS On/Off Schedule, Network, Wireless LAN, and SNMP. Under Notification, there are Email, SMS, WeChat, LINE, Telegram, and Skype. 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. It contains four text input fields for 'Account1', 'Account2', 'Account3', and 'Account4'. Below these is a section for 'Send Email for Daily Report' with a dropdown menu set to 'YES' and a time input field set to '23:58'. A note below says '(HH:mm) (24-hour time format)'. At the bottom right of the main area are 'Apply' and 'Reset' buttons.

7. System Time

The screenshot shows a web interface with a left sidebar and a main content area. The sidebar has a menu with categories: Information, Configuration, Notification, Web/Telnet/FTP, BACnet, NetFeeler, System, Log Information, and Management. The main content area has tabs for 'Date/Time', 'Language', 'SysLog Setting', and 'Save/Restore'. The 'Date/Time' tab is active. It contains a section for 'System Time' with a text input field for 'System Time (yyyy/MM/dd HH:mm:ss)' showing '2023/01/23 13:46:37'. Below this are 'Time Between Automatic Updates' (3 Hours), 'Time Server' (time.windows.com), 'Time Zone (Relative to GMT)' (GMT-8:00), and 'Using Daylight Saving Time' (YES). At the bottom right of this section are 'Apply' and 'Reset' buttons. Below the 'System Time' section is a 'Restart' section with 'Auto Restart System for Every (0: Disable)' (0) and '(Minute(s))' (Minute(s)), and 'Manual Restart System After 30 Seconds'. Both have 'Apply' and 'Reset' buttons.

7. Creating a Master Configuration File

Create a master configuration by saving a finished configuration at Help/About/Save/Restore Settings as a master.

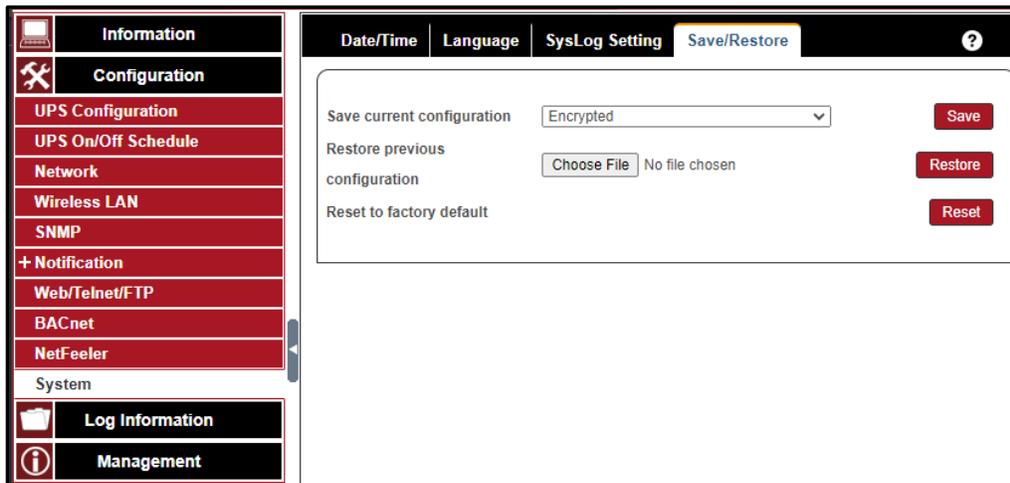
Then by restoring this “Master” on another SNMP card, the new card is configured faster and easier, but you must change the new card’s ’IP address and System Name.

Save/Restore Settings Save Current Configuration

Click on Save to save the configuration to your PC. The text file has a default format of YYYY_MMDD_TIME.cfg.

Restore the previous configuration

Use this function to restore the *.cfg configuration file. Click Browse to locate the file you want to restore, and click Restore.



NetAgentA User Interface Descriptions

Information Tab

UPS Status

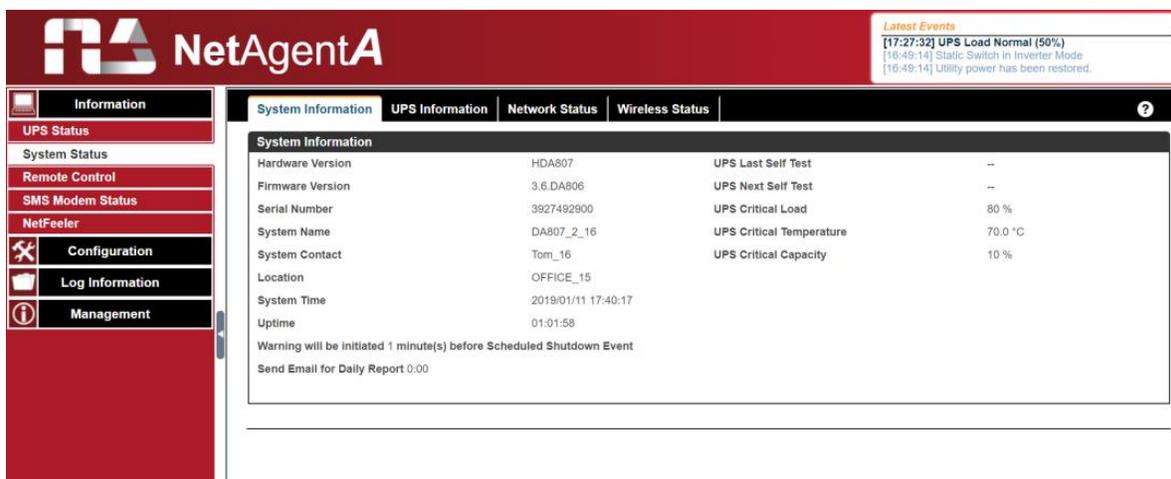
This page graphically displays the current UPS status along with current Voltage, Frequency, and other information



System Status

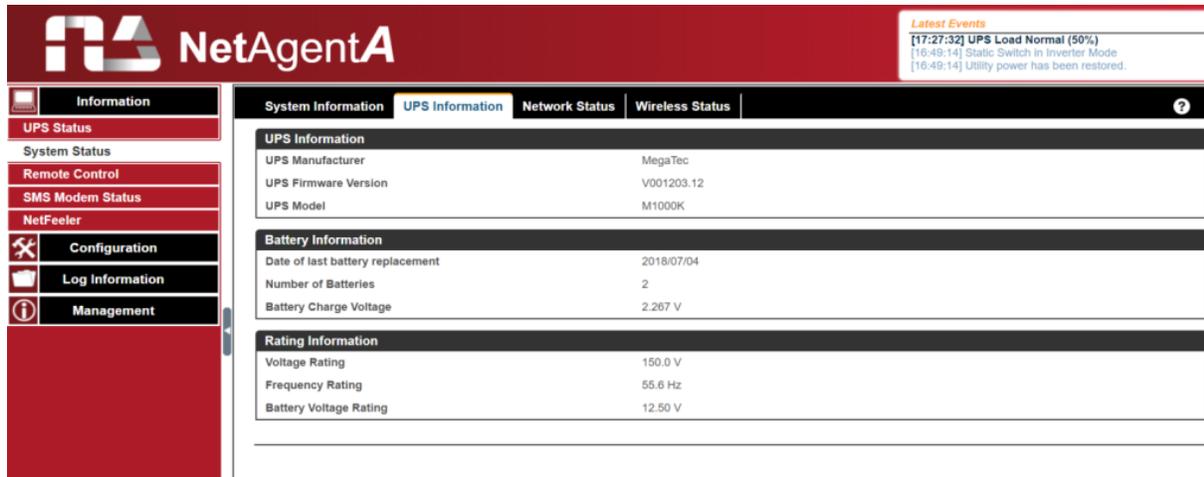
System Information

This tab displays basic information such as current settings, hardware/firmware version, serial number, and uptime.



UPS Information

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



The screenshot shows the NetAgentA interface with the 'UPS Information' tab selected. The left sidebar contains navigation options: Information, UPS Status, System Status, Remote Control, SMS Modem Status, NetFeeler, Configuration, Log Information, and Management. The main content area is divided into three sections: UPS Information, Battery Information, and Rating Information. A 'Latest Events' box in the top right corner shows three events: '[17:27:32] UPS Load Normal (50%)', '[16:49:14] Static Switch in Inverter Mode', and '[16:49:14] Utility power has been restored.'

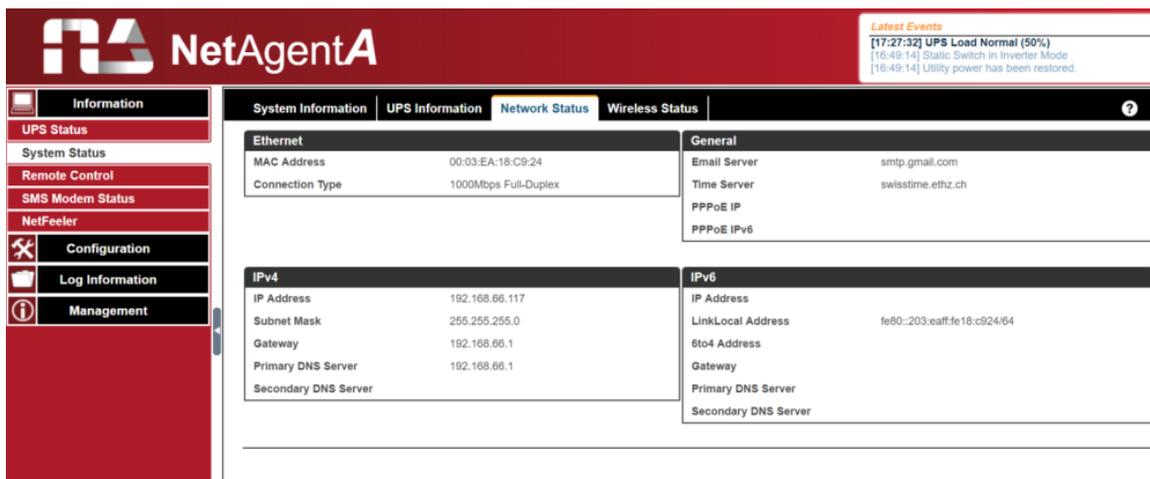
UPS Information	
UPS Manufacturer	MegaTec
UPS Firmware Version	V001203.12
UPS Model	M1000K

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

Network Status

This page displays the network information of the card.



The screenshot shows the NetAgentA interface with the 'Network Status' tab selected. The left sidebar is the same as in the previous screenshot. The main content area is divided into four sections: Ethernet, General, IPv4, and IPv6. A 'Latest Events' box in the top right corner shows the same three events as in the previous screenshot.

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	

Connection Status

The screenshot shows the NetAgentA interface with the 'Connections Status' tab selected. The left sidebar contains navigation options: Information, UPS Status, System Status, Remote Control, SMS Modem Status, NetFeeler, Configuration, Log Information, and Management. The main content area is divided into four sections: HTTP/HTTPS, TELNET/SSH, FTP/FTPS, and Modbus. The HTTP/HTTPS section displays a list of login and logout events with timestamps and IP addresses. The other three sections (TELNET/SSH, FTP/FTPS, and Modbus) all indicate 'There is no latest data.'

HTTP/HTTPS	TELNET/SSH
[2023/02/15 10:17:15] ::ffff:192.168.1.198 login	There is no latest data.
[2023/02/14 08:18:07] ::ffff:192.168.1.198 logout	
[2023/02/14 08:06:17] ::ffff:192.168.1.198 login	
[2023/02/13 12:19:43] ::ffff:192.168.1.198 logout	
[2023/02/13 10:48:33] ::ffff:192.168.1.198 login	
[2023/02/08 13:31:37] ::ffff:192.168.1.253 logout	
[2023/02/08 08:38:37] ::ffff:192.168.1.253 login	
[2023/02/07 11:31:33] ::ffff:192.168.1.198 login	
[2023/02/07 10:21:26] ::ffff:192.168.1.198 login	
[2023/02/07 10:15:29] ::ffff:192.168.1.198 logout	

FTP/FTPS	Modbus
There is no latest data.	There is no latest data.

This page shows various connection statuses and information.

Remote Control

The screenshot shows the NetAgentA interface with the 'Remote Control' tab selected. The left sidebar is the same as in the previous screenshot. The main content area is divided into two sections: 'UPS Testing' and 'Miscellaneous'. The 'UPS Testing' section has a radio button selected for '10-Second Test' and three other options: 'Deep Battery Test for [10] minute(s)', 'Test until battery capacity below [10] %', and 'Test Until Battery Low'. The 'Miscellaneous' section has several radio button options: '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', 'UPS Outlet1 ON', 'UPS Outlet1 OFF', 'UPS Outlet2 ON', 'UPS Outlet2 OFF', 'UPS Bypass ON', 'UPS Bypass OFF', 'UPS High Efficiency 10% ON', 'UPS High Efficiency 15% ON', and 'UPS High Efficiency OFF'.

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

Some remote commands may not execute either because the UPS does not support the command or the command is disabled in the UPS's firmware. Please contact Marathon Power at support@marathon-power.com for information regarding your specific UPS.

SMS Modem Status

The screenshot shows the 'SMS Modem Status' page. The left sidebar has a red header 'Information' with a laptop icon, followed by buttons for 'UPS Status', 'System Status', 'Remote Control', 'SMS Modem Status', 'NetFeeler', 'Configuration', 'Log Information', and 'Management'. The main content area has a black header 'SMS Modem Status' with a question mark icon. Below the header are two sections: 'Modem Information' and 'GSM Modem Current Status'.

Modem Information	
Modem Manufacturer	
Modem Model	
Modem Firmware Version	

GSM Modem Current Status	
Service Provider	
Central number of SMS service	
Signal Strength	
SIM card PIN is correct or not	

This page displays the attached GPRS modem's status. Unfortunately, Marathon Power does not sell modems, but if you contact Marathon Power at support@marathon-power.com we may be able to offer some assistance with your modem.

NetFeeler

The screenshot shows the 'NetFeeler' page. The left sidebar is identical to the previous screenshot. The main content area has a black header 'NetFeeler' with a question mark icon. Below the header is a section titled 'NetFeeler Status' containing a table of environmental and security data.

NetFeeler Status			
Environmental Temperature	Unknown	Security1 Status	Unknown
Environmental Humidity	Unknown	Security2 Status	Unknown
Water Status	Unknown	Security3 Status	Unknown
Gas Status	Unknown	Security4 Status	Unknown
Smoke Status	Unknown	Security5 Status	Unknown
		Security6 Status	Unknown
		Security7 Status	Unknown

This page displays the environmental status when a USB NetFeeler/ NetFeeler II and its accessories are connected to the NetAentA card.

Configuration Tab

The screenshot shows a web-based configuration interface. On the left is a navigation menu with categories: Information, Configuration, Log Information, and Management. Under Configuration, there are sub-items: UPS Configuration, UPS On/Off Schedule, Network, Wireless LAN, SNMP, + Notification, Web/Telnet/FTP, BACnet, NetFeeler, and System. The main content area has three tabs: 'UPS Properties' (selected), 'Test Log', and 'Warning Threshold Value'. The 'UPS Properties' tab contains two sections: 'UPS Properties' and 'Condition of UPS Restart'. The 'UPS Properties' section has the following fields: 'UPS Communication Type' (dropdown menu set to 'MegaTec'), 'Number of Batteries' (input field with '2'), 'Battery Full Charge Voltage (V)' (input field with '2.267'), 'Battery Exhausted Charge Voltage (V)' (input field with '1.667'), 'Battery Replacement Date (yyyy/mm/dd)' (input field), and 'Number of External Battery Pack' (input field with '0'). The 'Condition of UPS Restart' section has: 'Battery Capacity' (input field with '0' followed by a '%' sign) and 'Waiting Time' (input field with '30' followed by 'second(s)').

UPS Configuration

UPS Properties

This section adapts MegaTec Standard firmware to a UPS that does not have custom MegaTec firmware.

Our Engineers have already modified the SNMP card's firmware to be compatible with our UPSs. Therefore, **DO NOT** change these settings except for the Date of the Last Battery Replacement.

UPS Communication Type

Select the compatible protocol that your UPS supported from the list. The wrong protocol selected would cause no communication at all. (MegaTec is the default protocol)

Number of Batteries:

Enter the number of batteries that the UPS has.

Battery Full Charge Voltage (V)

Enter the number of the full charged voltage per battery cell. (2.267 is the default; we do not recommend changing the default value)

Battery Exhausted Charge Voltage(V)

Enter the number of exhausted voltage per battery cell. (1.667 is the default; we do not recommend changing the default value)

Date of Last Battery Replacement(mm/dd/yyyy)

Enter the date of the last battery replacement for the record

Test log

The screenshot shows a web-based configuration interface for a UPS system. On the left is a navigation menu with categories: Information, Configuration, Log Information, and Management. Under Configuration, several options are listed: UPS Configuration, UPS On/Off Schedule, Network, Wireless LAN, SNMP, + Notification, Web/Telnet/FTP, BACnet, NetFeeler, and System. The main content area has three tabs: UPS Properties, Test Log (which is active), and Warning Threshold Value. The Test Log tab contains two sections: 'Test UPS' and 'UPS Recorder'. The 'Test UPS' section has three fields: 'Test UPS every' (a dropdown menu set to 'None'), 'Start Time of UPS Test (HH:mm) (24-hour time format)' (a text input field with a clock icon), and 'UPS Test Type' (a dropdown menu set to '10-Second Test'). The 'UPS Recorder' section has one field: 'UPS Data Log' (a text input field set to '0') with the label 'Minute(s) (-1 = Stop Recording)'. At the bottom right of the main content area are two buttons: 'Apply' and 'Reset'.

This page allows you to test your UPS remotely and adjusts the time interval between data log entries.

Test UPS Every

Week /2 Weeks/ Month / Quarter can be selected

Start Time of UPS Test (hh:mm)

Enter the time to begin the test

UPS Test Type

Select the test from the drop-down list

UPS Data Log

To enter the time interval to refresh the data

Warning Threshold Values

The screenshot shows a web interface with a left-hand navigation menu and a main configuration area. The navigation menu includes sections for Information, Configuration, Log Information, and Management. Under Configuration, there are sub-items for UPS Configuration, UPS On/Off Schedule, Network, Wireless LAN, SNMP, + Notification, Web/Telnet/FTP, BACnet, NetFeeler, and System. The main configuration area is titled 'Warning Threshold Value' and contains four settings: 'Time out after loss of connection' (30 seconds), 'Critical Load (%)' (80), 'Critical Temperature' (70.0 °C), and 'Critical Capacity (%)' (10). There are 'Apply' and 'Reset' buttons at the bottom right of the configuration area.

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

Time out after the loss of connection:

Sends a warning alarm when NetAgentA and the UPS lose connection at this configured time

Critical Load(%)

When loading reaches the % configured, the card sends a warning alarm

UPS Temperature (°C)

When the UPS temperature reaches the degree configured, The card sends a warning alarm

Critical Capacity (%)

When UPS battery capacity reaches the % configured, The card sends a warning alarm

UPS On/Off Schedule

UPS Actions

This page allows you to configure the UPS or a remote host to be shut down based on a UPS or Netfeeler II event. Please contact Marathon Power at support@marathon-power.com for assistance with these settings.

Remote Shutdown

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

This is used to send SSH or Telnet commands to network devices. The event needs to be added under UPS Action first, and then enter the IP address of the device that you wish to be shut down by SSH or Telnet. Next, check for your device's shutdown command.

For example, to shut down Host 1 (Windows server) after 1 minute after AC power fails. First, go to the UPS Action tab, select the "AC Power Failed" event, select "shutdown Host 1", and press Add to add the action to the list.

Once an action is added, go to the 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.

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

Weekly Schedule

	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

This section sets the time to turn on/off the UPS on particular days of the week. The settings here override the settings in **Weekly Schedule**. A warning can be initiated x minutes before the scheduled shutdown event.

Date Schedule

The screenshot shows the NetAgentA web interface. The top navigation bar includes 'UPS Action', 'Remote Shutdown', 'Weekly Schedule', 'Date Schedule' (selected), and 'Wake On Lan'. The left sidebar lists various configuration categories. The main content area is titled 'Date Schedule' and contains a table with three columns: 'Date (yyyy/mm/dd)', 'Turn On (hh:mm)', and 'Turn Off (hh:mm)'. The table lists eight rows of dates (all 2018/07/13) with corresponding turn-on and turn-off times. Below the table, there is a warning setting: 'Warning will be initiated 1 minute before Scheduled Shutdown Event'. At the bottom right, there are 'Apply' and 'Reset' buttons. A 'Latest Events' box in the top right corner shows a log of UPS communication loss and power cut-off events.

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

This section sets the time to turn on/off the UPS on a particular date. The settings here override the settings in **Weekly Schedule**. A warning can be initiated X_ before the scheduled shutdown event.

Wake On Lan

The screenshot shows the NetAgentA web interface with the 'Wake On Lan' configuration page selected. The left sidebar is the same as in the previous screenshot. The main content area is titled 'Wake On Lan' and is divided into two sections: 'General Settings' and 'Miscellaneous'. The 'General Settings' section contains a table with eight rows, each representing a host (Host1 to Host8). Each row has fields for 'IP:' and 'MAC:', followed by a 'Test' button. The 'Miscellaneous' section contains two checkboxes: 'Wake up remote host after power restore' (unchecked) and 'Wait until battery capacity reaches to 10 %' (checked).

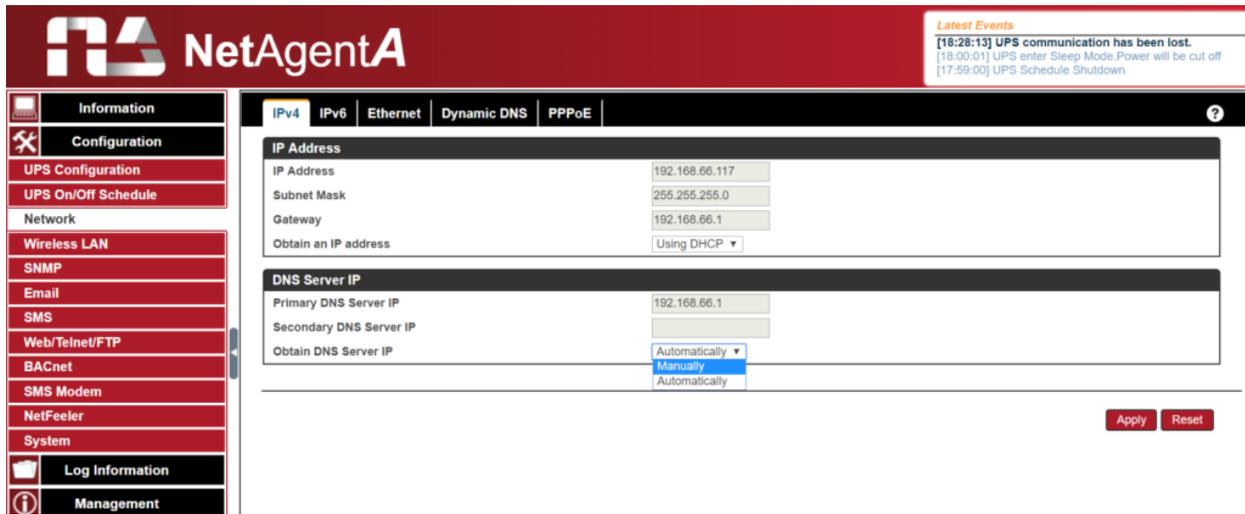
Host	IP:	MAC:	Test
Host1			Test
Host2			Test
Host3			Test
Host4			Test
Host5			Test
Host6			Test
Host7			Test
Host8			Test

This section wakes a PC within the network when AC is power reestablished or when the battery capacity reaches a configured %. (Ensure the computer supports this function and that it is enabled in the computer BIOS.)

Network

This page is to set NetAgentA's Network settings.

IPv4

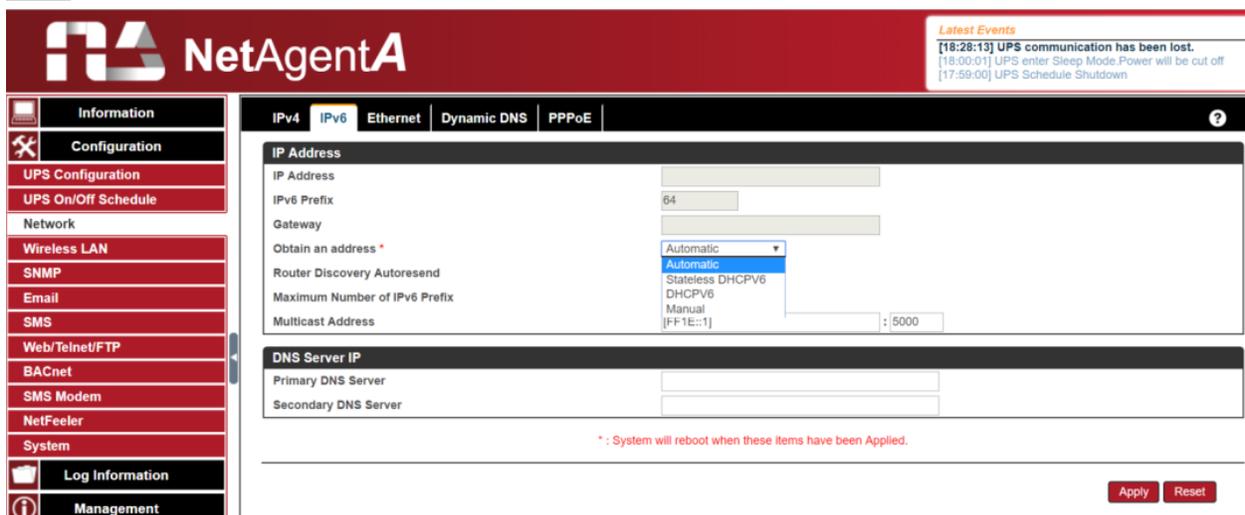


The screenshot shows the NetAgentA web interface for IPv4 configuration. The left sidebar contains a navigation menu with categories: Information, Configuration, UPS Configuration, Network, Wireless LAN, SNMP, Email, SMS, Web/Telnet/FTP, BACnet, SMS Modem, NetFeeler, System, Log Information, and Management. The main content area is titled 'IPv4' and includes tabs for IPv6, Ethernet, Dynamic DNS, and PPPoE. The 'IP Address' section contains fields for IP Address (192.168.66.117), Subnet Mask (255.255.255.0), Gateway (192.168.66.1), and a dropdown for 'Obtain an IP address' set to 'Using DHCP'. The 'DNS Server IP' section contains fields for Primary DNS Server IP (192.168.66.1), Secondary DNS Server IP, and a dropdown for 'Obtain DNS Server IP' set to 'Automatically'. 'Apply' and 'Reset' buttons are at the bottom right. A 'Latest Events' box in the top right corner shows system messages.

How the card obtains its IP and DNS IP address is selected by a drop-down list. The options are manually entered, DHCP, or Bootp.

If the IP address and DNS have automatically configured, the information is displayed here

IPv6



The screenshot shows the NetAgentA web interface for IPv6 configuration. The left sidebar is identical to the IPv4 page. The main content area is titled 'IPv6' and includes tabs for IPv4, Ethernet, Dynamic DNS, and PPPoE. The 'IP Address' section contains fields for IP Address, IPv6 Prefix (64), Gateway, and a dropdown for 'Obtain an address' set to 'Automatic'. The dropdown menu is open, showing options: Automatic, Stateless DHCPV6, DHCPV6, Manual, and [FF1E::1]. The 'DNS Server IP' section contains fields for Primary DNS Server and Secondary DNS Server. A red asterisk note states: '* : System will reboot when these items have been Applied.' 'Apply' and 'Reset' buttons are at the bottom right. A 'Latest Events' box in the top right corner shows system messages.

The NetAgentA series supports IPv6.

How the IP address is obtained can be selected from the drop-down list with the options of (Automatic / Stateless DHCPV6 / DHCPV6 / Manual)

Once you click on Apply, the NetAgentA reboots

Ethernet

Connection Type

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

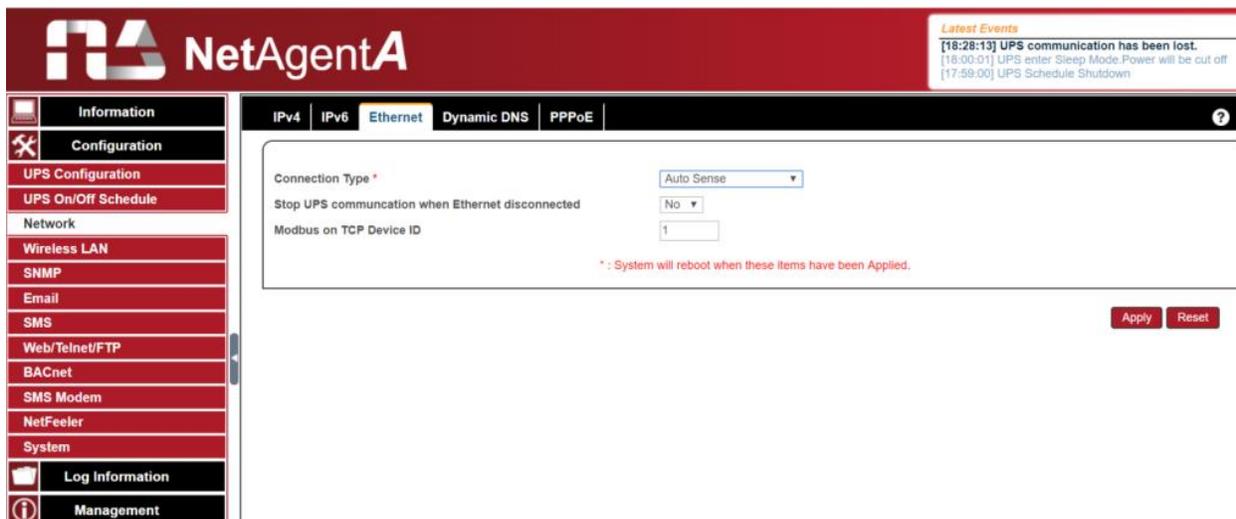
Once you click on Apply, the NetAgentA reboots

Stop UPS communication when Ethernet disconnected

This section sets if you want to stop UPS communication when NetAgentA disconnects from Ethernet

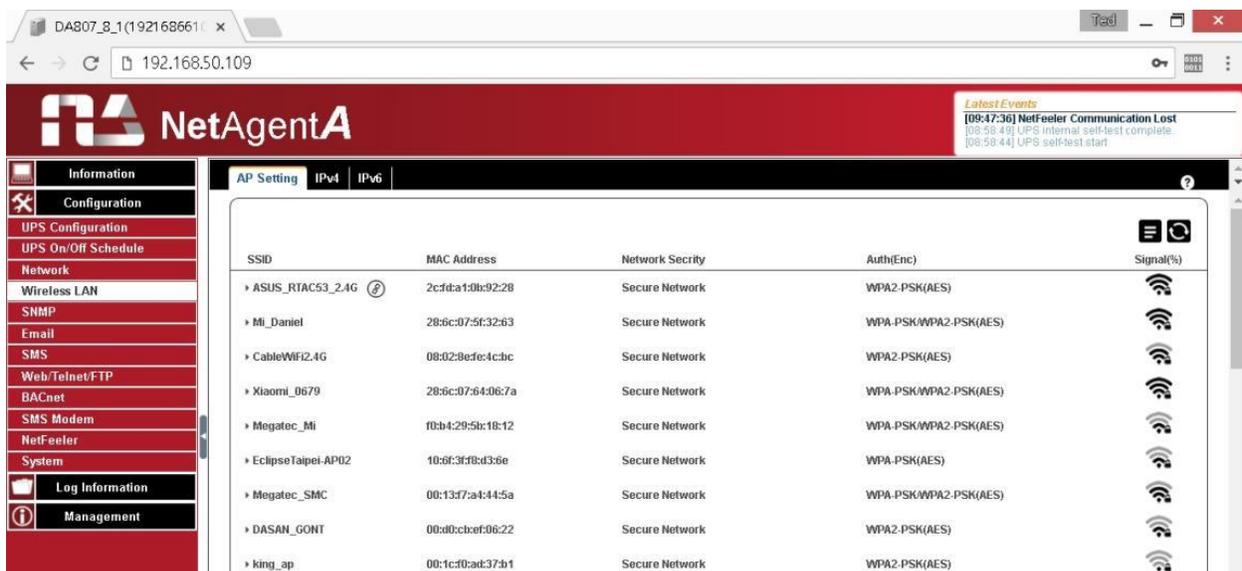
Modbus on TCP Device ID :

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



The screenshot displays the NetAgentA web management interface. The top header features the NetAgentA logo and a 'Latest Events' section with the following log entries: [18:28:13] UPS communication has been lost., [18:00:01] UPS enter Sleep Mode.Power will be cut off, and [17:59:00] UPS Schedule Shutdown. The left sidebar contains a navigation menu with categories: Information, Configuration (with a sub-menu for UPS Configuration and UPS On/Off Schedule), Network (with sub-menus for Wireless LAN, SNMP, Email, SMS, Web/Telnet/FTP, BACnet, SMS Modem, NetFeeler, and System), Log Information, and Management. The main content area is titled 'Ethernet' and includes tabs for IPv4, IPv6, Ethernet, Dynamic DNS, and PPPoE. The configuration fields are: 'Connection Type' set to 'Auto Sense', 'Stop UPS communication when Ethernet disconnected' set to 'No', and 'Modbus on TCP Device ID' set to '1'. A red asterisk note states '* : System will reboot when these items have been Applied.' At the bottom right of the configuration area are 'Apply' and 'Reset' buttons.

Wireless LAN



The screenshot shows the NetAgentA web interface. The top navigation bar includes 'Information', 'Configuration', 'UPS Configuration', 'UPS On/Off Schedule', 'Network', 'Wireless LAN', 'SNMP', 'Email', 'SMS', 'Web/Telnet/FTP', 'BACnet', 'SMS Modem', 'NetFeeler', 'System', 'Log Information', and 'Management'. The 'Wireless LAN' section is active, displaying a table of detected networks.

SSID	MAC Address	Network Security	Auth(Enc)	Signal(%)
ASUS_RTAC53_24G	2c:fd:a1:0b:92:28	Secure Network	WPA2-PSK(AES)	
Mi_Daniel	28:6c:07:5f:32:63	Secure Network	WPA-PSK/WPA2-PSK(AES)	
CableWiFi2.4G	08:02:8e:fc:4c:bc	Secure Network	WPA2-PSK(AES)	
Xiaomi_0679	28:6c:07:64:06:7a	Secure Network	WPA-PSK/WPA2-PSK(AES)	
Megatec_Mi	fd:b4:29:5b:18:12	Secure Network	WPA-PSK/WPA2-PSK(AES)	
EclipseTaipei-AP02	10:6f:3f:f8: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:d0:cb:ef:06:22	Secure Network	WPA2-PSK(AES)	
king_ap	00:1c:f0:ad:37:b1	Secure Network	WPA2-PSK(AES)	

This section configures the NetAgentA card to connect to a network with a compatible USB wireless dongle.

Marathon Power does not sell USB Wi-Fi dongles. However, we may be able to help configure one. Please contact Marathon Power at support@marathon-power.com if you need assistance.

SNMP (Uniquely Identifying the UPS)

The screenshot shows the NetAgentA web interface for configuring SNMP settings. The interface includes a navigation menu on the left and a main configuration area with tabs for General, Access Control, Trap Notification, and Device Connected. The General tab is selected, displaying fields for MIB System (System Name, System Contact, System Location), SNMP UDP Port (NetAgent SNMP Port, Trap Receive Port), and SNMPv3 Engine ID (SNMPv3 Engine ID Format Type, SNMPv3 Engine ID Text). The System Name is 'UPS Agent', System Contact is 'Administrator', System Location is 'My Office', NetAgent SNMP Port is '161', and Trap Receive Port is '162'. The SNMPv3 Engine ID Format Type is 'MAC Address' and the SNMPv3 Engine ID Text is '80003461030003ea146ac1'. A red message at the bottom states '* : System will reboot when these items have been Applied.' There are 'Apply' and 'Reset' buttons at the bottom right.

This page configures NetAgentA SNMP settings to be used by NMS (Network Management System).

General

System Name

Enter a unique ID/Name into the “System Name” field.

This “System Name” appears in the subject line of the event notifications emails. The “System Location” only appears in the body of the email.

SNMP UDP Port

The port used by the card to receive and send signals

NetAgent SNMP command. (Default is 161)

TRAP Receive Port (Default is 162)

SNMPv3 Engine ID

When using SNMPv3, the card requires you to have its Engine ID for identification, which generates an authentication and encryption key.

SNMPv3 Engine ID Format Type

The format type is selected from the drop-down list options, MAC Address / IPv4 / IPv6 / Manual options. Clicking on Apply reboots the card.

Access Control

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

Manager IP Address	Version	Community	Permission	Description
192.168.66.2	V1 & V2C	public	Read/Write	
192.168.66.5	V3	public	Read/Write	

User Name: abc
Auth. Protocol: MD5
Privacy Protocol: DES
Auth. Password: *****
Privacy Password: *****

User Name	Auth. Protocol	Community	Permission	Description
****	All	public	No Access	
****	All	public	No Access	
****	All	public	No Access	
****	All	public	No Access	
****	All	public	No Access	

Activate Windows

Manager's 'IP Address

Sets the IP address that the administrator uses to manage the card. It is valid for up to 8 IP addresses. To manage the card from any IP address, enter *.*.*.*.

SNMPv1 & SNMPv2 or SNMPv3

Select between SNMPv1& SNMPv2 or SNMPv3. When selecting All or SNMPv3, a username, password, authentication, and privacy are required.

Community

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

Permission

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

Trap Notification

The screenshot shows the NetAgentA web interface. The top header is red with the NetAgentA logo on the left and a 'Latest Events' box on the right containing the text 'There is no latest Event.' Below the header is a navigation sidebar with categories: Information, Configuration (with sub-items like UPS Configuration, Network, Wireless LAN, SNMP, Email, SMS, Web/Telnet/FTP, BACnet, SMS Modem, NetFeeler, System), Log Information, and Management. The main content area has tabs for General, Access Control, Trap Notification, and Device Connected. The 'Trap Notification' tab is selected, displaying a table of trap configurations. Each row includes an IP address, a trap type dropdown (e.g., 'SNMPv3 Inform'), a community name (e.g., 'public'), a severity dropdown (e.g., 'Information'), and 'Select' and 'Test' buttons. Below the table, there are input fields for 'Send Power Restore and Adapter Restore Traps for 0 time(s) in 0 second(s) interval.' and an 'SNMP Inform Request' section with 'Number of Retries' (3) and 'Timeout (sec)' (5) fields. An 'Activate Windows' watermark is visible in the bottom right corner.

Destination IP Address

Set the receiver's IP address for receiving TRAPs sent by the card. It is valid for up to 8 IP Addresses.

Accept

Select the TRAP type from the drop-down list. When SNMPv3 TRAP or SNMPv3 Inform is selected, username/password and authentication information are required.

Community

TRAP receiver and the card must have the same community. (Default is public)

Severity

This section is to set the Trap level for each receiver. There are three levels,

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

Description

This field is to make a note for the administrator's reference

Events

Selects the events that the card sends as TRAPs. Click on Select to show the complete Event List. Then, click test to send a TRAP to ensure the settings are correct.

Send Power Restore and Adaptor Restore TRAPs for x time(s) in x second(s) Intervals. Sets the number of times the card can request information. (Default is 3 times and an interval of 5 seconds)

Device Connected

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"/>	0	NO
2	<input type="text"/>	0	NO
3	<input type="text"/>	0	NO
4	<input type="text"/>	0	NO

Apply Reset

Activate Windows

This section sets the usage power and connection status of other devices that connect to the same UPS that NetAgentA uses.

Notifications

The screenshot shows a web-based configuration interface. On the left is a vertical navigation menu with the following items: Information, Configuration, UPS Configuration, UPS On/Off Schedule, Network, Wireless LAN, SNMP, Notification (expanded), Email (selected), SMS, WeChat, LINE, Telegram, Skype, Web/Telnet/FTP, and BACnet. The main content area has a header with 'Email Setting', 'Email for Event Log', and 'Email for Daily Report'. Below the header are several form fields: 'Email Server' (text input), 'Email Port' (text input), 'Enable SSL on Email' (checkbox), 'Transmission' (dropdown menu with 'STARTTLS' selected), 'Sender's Email Address' (text input), 'Email Server Requires' (checkbox), 'Authentication' (dropdown menu with 'YES' selected), 'Account Name' (text input), 'Password' (text input), and 'Sending test mail' (text input). A red 'Test Mail' button is positioned to the right of the 'Sending test mail' field. At the bottom right of the main content area are two red buttons: 'Apply' and 'Reset'.

Email Settings

Enter the information for the sending Email Server and the sender's 'account information.

You must enter a "Sender's" email address to send email notifications.

We recommend using a unique email address/account only for UPS event emails instead of an individual's email address, for example, mytownsupss@ourtownUSA.gov.

This allows all the UPS event emails to be managed from one email account and program like Outlook, giving an organization a central point for email management, updating, and security, instead of at each SNMP card.

Using an individual's email could be a problem later if the person's responsibilities change or multiple technicians enter their email addresses.

Emailing of Event Log

The screenshot shows the NetAgentA web interface. The top navigation bar includes 'Information', 'Configuration', 'UPS Configuration', 'UPS On/Off Schedule', 'Network', 'Wireless LAN', 'SNMP', 'Email', 'SMS', 'Web/Telnet/FTP', 'BACnet', 'SMS Modem', 'NetFeeler', 'System', 'Log Information', and 'Management'. The 'Email' section is expanded, showing 'Email Setting', 'Email for Event Log', and 'Email for Daily Report'. The 'Email for Event Log' tab is active. The main content area shows a form with the following fields:

- Send Email When Event Occurs: YES (dropdown)
- Account1: ito@gmail.com (text input) with a Select button
- Account2: (text input) with a Select button
- Account3: (text input) with a Select button
- Account4: (text input) with a Select button
- Account5: (text input) with a Select button
- Account6: (text input) with a Select button
- Account7: (text input) with a Select button
- Account8: (text input) with a Select button

At the bottom right of the form area are 'Apply' and 'Reset' buttons. An 'Activate Windows' watermark is visible at the bottom of the page.

Enter the email addresses of the people needing to receive UPS event notifications. Select. The Select button allows you to select specific notifications for that person.

Emailing of Daily Report

The screenshot shows the NetAgentA web interface. The top navigation bar is the same as in the previous screenshot. The 'Email' section is expanded, and the 'Email for Daily Report' tab is active. The main content area shows a form with the following fields:

- Account1: (text input)
- Account2: (text input)
- Account3: (text input)
- Account4: (text input)
- Send Email for Daily Report (hh:mm): NO (dropdown) at 12:00 (text input)

At the bottom right of the form area are 'Apply' and 'Reset' buttons. An 'Activate Windows' watermark is visible at the bottom of the page.

Enter the email addresses of the people needing to receive UPS event notifications. Select. The Select button allows you to select specific notifications for that person.

SMS

SMS Modem Settings

When UPS events occur, this allows Short Message Signals (“SMS”) to be sent if a GSM/GPRS/CDMA Modem is attached to the card.

SMS Modem Settings | SMS Setting | Mobile for Event Log | ?

SMS Modem Settings

Modem Communication Port	None ▾
SMS Communication	GPRS ▾
SIM Card PIN	<input type="text"/>
Confirm SIM Card PIN	<input type="text"/>

Send Message

Cellular Phone number	<input type="text"/>
SMS content (Max. 70 characters)	<input type="text"/>
	<input checked="" type="radio"/> Unicode <input type="radio"/>
	Character

SMS Settings

SMS Modem Settings | **SMS Setting** | **Mobile for Event Log** ?

Send SMS When Event Occurs:

SMS Server:

SMS Port:

Account Name:

Password:

Sending test SMS: **Test SMS**

Enables SMS messaging event notifications

Disable: No SMS Service

Use Local Modem

When the modem is connected to NetAgentA directly

Use Remote Service

When the modem connects to a PC with SMS Server software installed

SMS Server

If you select to use SMS service to send SMS, then enter the IP address of the SMS Server. (A PC that installed SMS Server Software)

SMS Port

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

Account Name

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

Password

If you select to use the Remote service to send SMS, enter SMS Server's password if required

Sending test SMS

When the modem and Configuration are ready, enter a mobile number to receive testing

Mobile Sending of Event Log

Cellular Phone number	Input Field	Select
Cellular Phone number1	<input type="text"/>	Select
Cellular Phone number2	<input type="text"/>	Select
Cellular Phone number3	<input type="text"/>	Select
Cellular Phone number4	<input type="text"/>	Select
Cellular Phone number5	<input type="text"/>	Select
Cellular Phone number6	<input type="text"/>	Select
Cellular Phone number7	<input type="text"/>	Select
Cellular Phone number8	<input type="text"/>	Select

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

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

Web/Telnet/FTP

The screenshot shows the NetAgentA configuration interface. The top navigation bar includes 'Information', 'Configuration', 'UPS Configuration', 'UPS On/Off Schedule', 'Network', 'Wireless LAN', 'SNMP', 'Email', 'SMS', 'Web/Telnet/FTP', 'BACnet', 'SMS Modem', 'NetFeeler', 'System', 'Log Information', and 'Management'. The 'Web/Telnet/FTP' section is active, showing the 'HTTP/HTTPS' tab. The 'HTTP/HTTPS' section includes fields 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, which is a table with columns for 'User Name', 'Password', 'Permission', and 'IP Filter'. The table has 8 rows, with the first row having empty fields and the others having 'No Access' in the permission column and '****' in the IP Filter column. At the bottom of the table, there is a field for 'Auto LogOff after idle for' (0) minutes(s) (0: Disable). A red message at the bottom of the table states: '* System will reboot when these items have been Applied'. The bottom right corner of the interface shows 'Activate Windows' and 'Go to Settings to activate' with 'Apply' and 'Reset' buttons.

HTTP/HTTPS

Sets how the SNMP card is accessed.

HTTP/HTTPS Account

This sets who can access the UI. It is valid for up to 8 users.

User Name

Sets the username for web and telnet access.

Password

Sets user's password for web and telnet access.

Permission

Sets the type of access allowed (No Access / Read/ Read&Write)

Do not enter a username and password to allow everyone to access the card. But at least one line (User) must have Read/Write permission, either without a username and password or with a username and password. One line (User) must have Read/Write permission.

IP Filter

This only allows a specific IP address to log in to the card.

..*.* means any IP address

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

The user is logged off automatically once the preset time is reached.

SSL Information

The card supports HTTPS protocol and various SSL encryptions for network connections.

The user may upload its Public Key and Certification for authentication. When both the public key and certificate are uploaded to the card, the card's communication is encrypted by SSL.

(To communicate via HTTPS, enable HTTPS port 443.)

Supported SSL Protocols

SSL v2

SSL v3

SSL v1.0, v1.1 and v1.2

Clicking Apply reboots the card.

The screenshot displays the NetAgentA web management interface. The top navigation bar includes 'Information', 'Configuration', 'UPS Configuration', 'UPS On/Off Schedule', 'Network', 'Wireless LAN', 'SNMP', 'Email', 'SMS', 'Web/Telnet/FTP', 'BACnet', 'SMS Modem', 'NetFeeder', 'System', 'Log Information', and 'Management'. The 'Configuration' section is expanded to show 'TELNET/SSH' settings. The 'Management Protocol' section has 'Enable TELNET Function' checked with a port of 23, and 'Enable SSH Function' checked with a port of 22. The 'TELNET/SSH Account' section has 'Same as HTTP account/password settings' checked. Below this, there are four columns: 'User Name', 'Password', 'Permission', and 'IP Filter'. Each column contains a table with 8 rows. The 'Permission' column has a dropdown menu set to 'No Access' for all rows. The 'IP Filter' column has asterisks for all rows. A red warning message at the bottom states: '* - System will reboot when these items have been Applied'. 'Apply' and 'Reset' buttons are located at the bottom right.

FTP/FTP-SSL

The screenshot shows the NetAgentA configuration interface. The top navigation bar includes 'Information', 'Configuration', 'Log Information', and 'Management'. The 'Configuration' menu is expanded, showing options like 'UPS Configuration', 'Network', 'SNMP', 'Email', 'SMS', 'Web/Telnet/FTP', 'BACnet', 'SMS Modem', 'NetFeeder', and 'System'. The 'Web/Telnet/FTP' sub-menu is active, and the 'FTP/FTP-SSL' tab is selected. The main configuration area is divided into two sections: 'Management Protocol' and 'FTP/FTP-SSL Account'. In the 'Management Protocol' section, 'FTP Server Protocol' is set to 'FTP', 'Enable Anonymous Access' is checked, 'Implicit FTP-SSL' is unchecked, and 'Server Port' is set to '21'. The 'FTP/FTP-SSL Account' section has a checkbox for 'Same as HTTP account/password settings' which is checked. Below this, there is a table with three columns: 'User Name', 'Password', and 'Permission'. Each column contains six input fields. The 'Permission' column has dropdown menus, all currently set to 'No Access'. At the bottom right, there are 'Apply' and 'Reset' buttons.

Select between FTP and FTP-SSL with a specific port number or disable it.

FTP/FTP-SSL Account

The same as HTTP account/password settings

User Name

Sets the password for NetAgentA FTP access.

Password

Sets the password for NetAgentA FTP access.

Permission

To set No Access / Read/ Read&Write)

- ✱ Permission Rule 1, At least one user account must be Read/Write
- ✱ Permission Rule 2, User name with Read and Write cannot be blank

IP Filter :

Sets a specific IP address that can login into the NetAgentA card

..*.* means any IP address

SSL Information

The screenshot displays the NetAgentA web interface. The top navigation bar includes 'Information', 'Configuration', 'Log Information', and 'Management'. The 'Configuration' menu is expanded, showing options like 'UPS Configuration', 'Network', 'Wireless LAN', 'SNMP', 'Email', 'SMS', 'Web/Telnet/FTP', 'BACnet', 'SMS Modem', 'NetFeeler', and 'System'. The 'SSL Information' page is active, showing the 'HTTPS Protocol' section with checkboxes for SSL v2, SSL v3, TLS v1.0, TLS v1.1, and TLS v1.2. Below this is the 'SSL Information' section with fields for 'SSL Public Key', 'Public Key Length', and 'SSL Certificate', each with a 'Choose File' button and an 'Upload and Replace' button. The 'Public Key Length' is set to 2048 bits. The 'Valid From' date is 2018-01-01 and the 'Valid Until' date is 2020-01-01. A red message at the bottom of the SSL Information section states: '* System will reboot when 'Apply' has been pressed.' The top right corner shows a 'Latest Events' box with the message: '[18:56:42] UPS Load Overrun (80%)'.

NetAgentA supports HTTPS protocol and SSL encryptions for network connection. A 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

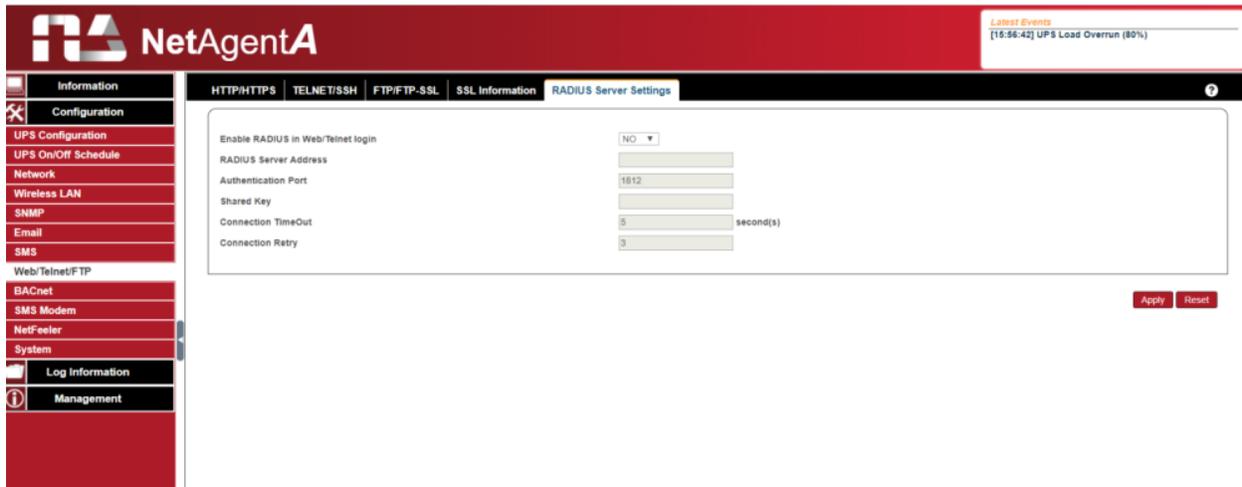
SSL Information

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

To communicate via HTTPS, make sure to enable HTTPS port 443.

Clicking on Apply reboots the NetAgentA card.

RADIUS Server Setting



The screenshot shows the NetAgentA web interface for RADIUS Server Settings. The left sidebar contains navigation menus for Information, Configuration, Log Information, and Management. The main content area is titled 'RADIUS Server Settings' and includes the following fields:

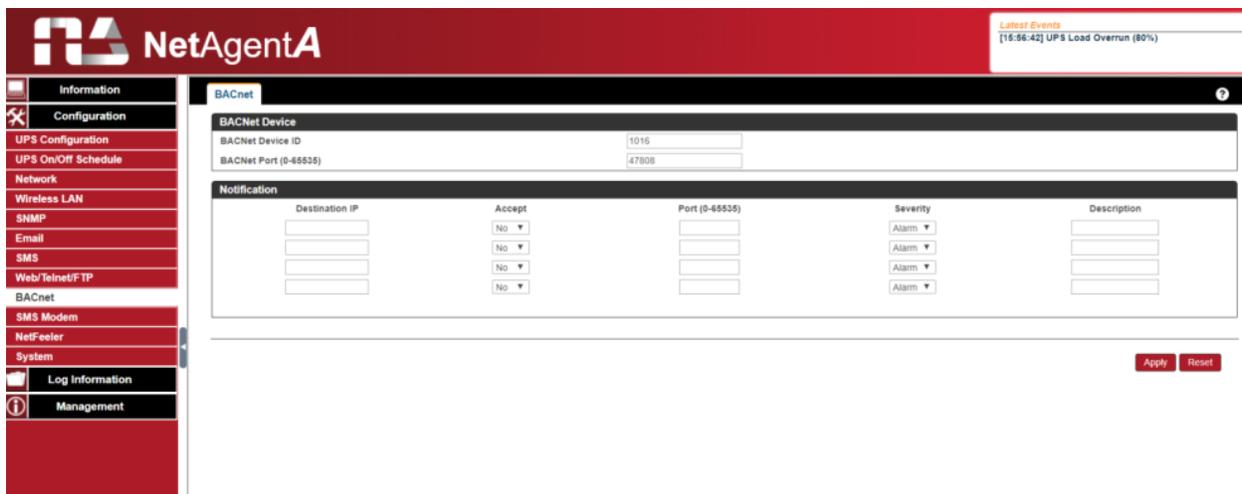
- Enable RADIUS in Web/Telnet login: NO (dropdown)
- RADIUS Server Address: [text input]
- Authentication Port: 1812
- Shared Key: [text input]
- Connection TimeOut: 5 second(s)
- Connection Retry: 3

Buttons for 'Apply' and 'Reset' are located at the bottom right of the settings area.

This enables RADIUS server authentication is required for the network. If you need assistance with this, please contact Marathon Power at support@marathon-power.com

BACnet

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



The screenshot shows the NetAgentA web interface for BACnet configuration. The left sidebar is the same as in the previous screenshot. The main content area is titled 'BACnet' and includes the following sections:

- BACnet Device**
 - BACnet Device ID: 1016
 - BACnet Port (0-65535): 47808
- Notification**

Destination IP	Accept	Port (0-65535)	Severity	Description
[text input]	No (dropdown)	[text input]	Alarm (dropdown)	[text input]
[text input]	No (dropdown)	[text input]	Alarm (dropdown)	[text input]
[text input]	No (dropdown)	[text input]	Alarm (dropdown)	[text input]
[text input]	No (dropdown)	[text input]	Alarm (dropdown)	[text input]

Buttons for 'Apply' and 'Reset' are located at the bottom right of the settings area.

BACnet Device

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

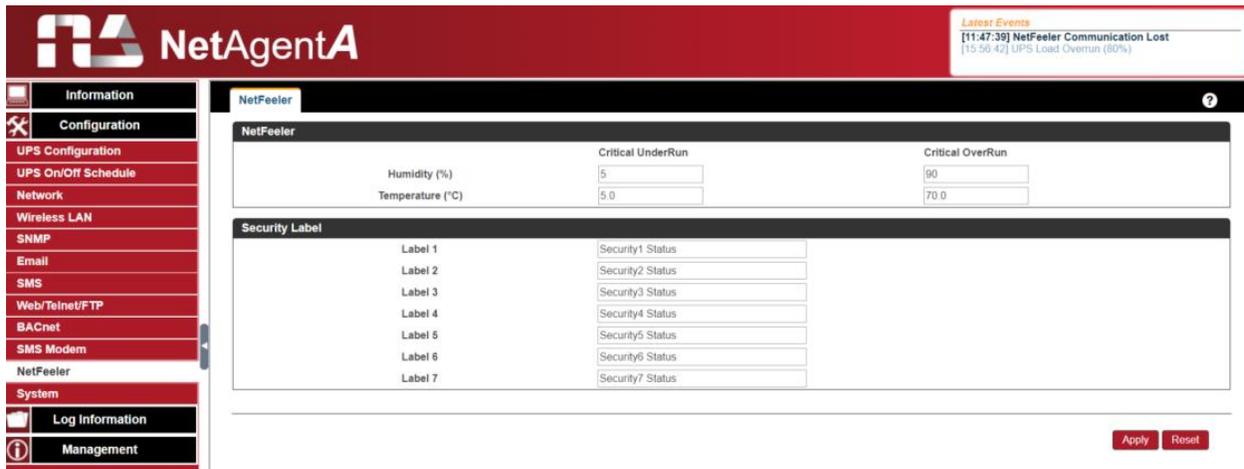
Notification

Enter the IP address of the PC to be notified by BACnet software when an event occurs

SMS Modem

Marathon Power does not currently offer any SMS modems. However, we may still be able to assist you if you contact Marathon Power at support@marathon-power.com

NetFeeler

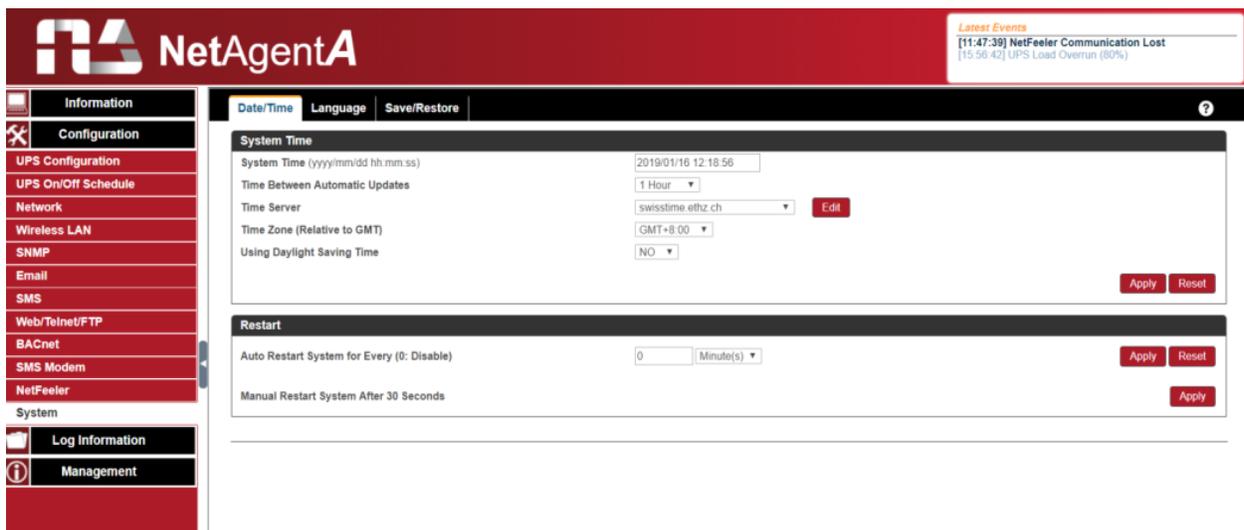


The screenshot shows the NetAgentA web interface for configuring a NetFeeler sensor. The left sidebar contains a navigation menu with categories: Information, Configuration, System, Log Information, and Management. Under Configuration, the following options are listed: UPS Configuration, UPS On/Off Schedule, Network, Wireless LAN, SNMP, Email, SMS, Web/Telnet/FTP, BACnet, SMS Modem, NetFeeler, and System. The main content area is titled 'NetFeeler' and includes a 'Latest Events' box at the top right showing a recent event: '[11:47:39] NetFeeler Communication Lost [15:56:42] UPS Load Overrun (80%)'. The configuration section is divided into three main areas: 1. Environmental sensors: Humidity (%) with a value of 5, Temperature (°C) with a value of 5.0, Critical UnderRun with a value of 90, and Critical OverRun with a value of 70.0. 2. Security Label: A table with 7 rows, each containing a label (Label 1 to Label 7) and a corresponding Security Status field. 3. Action buttons: 'Apply' and 'Reset' buttons at the bottom right of the configuration area.

NetFeeler is an external optional environmental sensor that can detect temperature, humidity, and water. In addition, NetFeeler has an RF receiver built-in to work with extension sensors such as smoke and security sensors.

If you would like to purchase a NetFeeler, please contact Marathon Power at support@marathon-power.com

System



The screenshot shows the NetAgentA web interface for configuring system settings. The left sidebar is identical to the previous screenshot. The main content area is titled 'System' and includes a 'Latest Events' box at the top right showing the same event as the previous screenshot. The configuration section is divided into two main areas: 1. System Time: Fields for System Time (2019/01/16 12:18:56), Time Between Automatic Updates (1 Hour), Time Server (swisstime.ethz.ch), Time Zone (Relative to GMT) (GMT+8:00), and Using Daylight Saving Time (NO). 2. Restart: Fields for Auto Restart System for Every (0: Disable) (0 Minute(s)) and Manual Restart System After 30 Seconds. Both sections include 'Apply' and 'Reset' buttons.

This page sets NetAgentA's system time and language and saves and restores a card's configuration.

Date/Time

NetAgentA to synchronize with external or internal Time Server for the 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

This sets the interval for time synchronization.

Time Server

The Time Server can be selected from the drop-down list, or if the Time Server you prefer is not listed, it can be added manually. You can use either a domain name or an IP address.

Time Zone(Relative to GMT)

To select its GMT zone

Using Daylight Saving Time

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

Restart

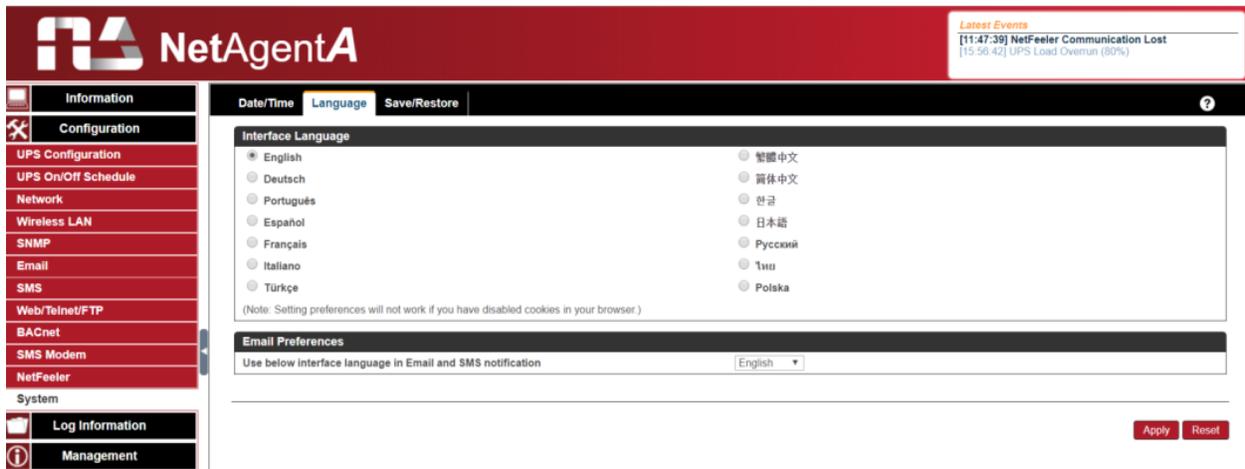
Auto Restart System for Every (0 is disabled):

NetAgentA to restart automatically at a preset hour or minute

Manual Restart System After 30 seconds

Clicking on Apply restarts after 30 seconds

Language



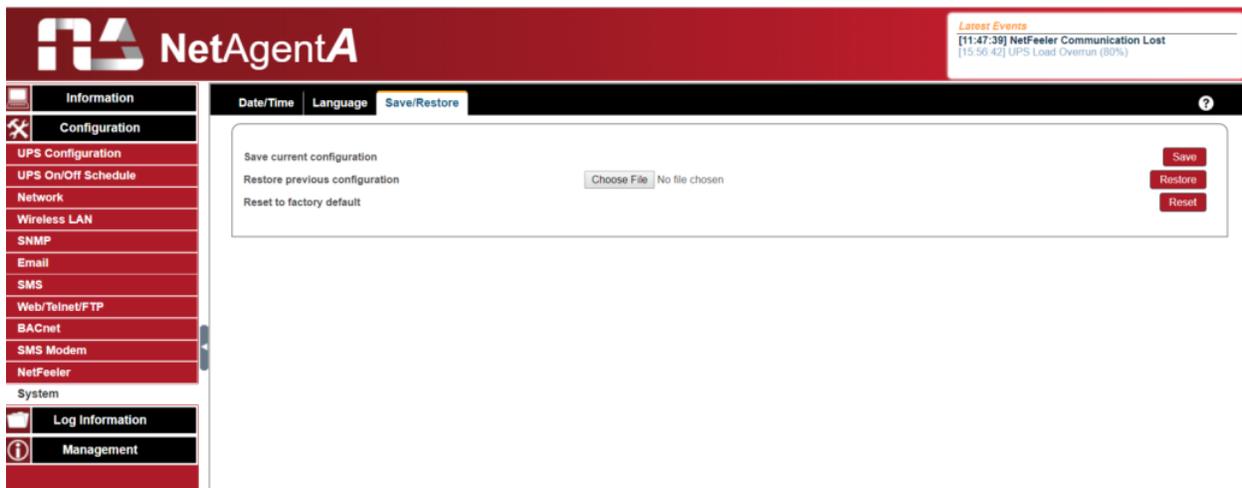
When a user first logs into the webpage of NetAgentA, NetAgentA will auto detects the OS language of the PC and displays the same language on its web pages (Users must have enabled cookies before they use this function).

This page sets the language for the card's interface.

Email Preference

This selects the language preference for sent emails and SMS messages.

Save/Restore



Saving Current Configuration

Note: You can create a Master configuration by saving a finished configuration at Help/About/Save/Restore Settings as a master.

Then by restoring this “Master” on another SNMP card, the new card is configured faster and easier. Remember to change the new card’s IP address and System Name.

Save/Restore Settings Save Current Configuration

Click on Save to save the configuration to your PC. The text file has a default format of YYYY_MMDD_TIME.cfg.

Restore the previous configuration

Use this function to restore the *.cfg configuration file. Click Browse to locate the file you want to restore, and click on Restore.

Log information Tab

Event Log

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

Event Log

2018 11 All Events Refresh Today

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	1

2018-11-23 Fri. 23

Events List Events census

- [23:12:10]: Server address can not be resolved.
- [20:08:27]: Connection with time server failed.
- [17:11:41]: Connection with time server failed.
- [11:09:26]: Connection with time server failed.
- [09:31:35]: UPS communication has been lost.
- [09:16:33]: UPS communication has been established.
- [09:08:50]: Connection with time server failed.
- [08:08:26]: UPS communication has been lost.

Activate Windows
Go to Settings to activate Windows

Event List

It displays the record of all events, giving the Date/Time of the event with a detailed description of each. An event can be checked on a specific date from the calendar

Event census

Here is to present the event statistically on the selected date

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

Event Log

2018 11 All Events Refresh Today

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	1

2018-11-28 Wed. 28

Events List Events census

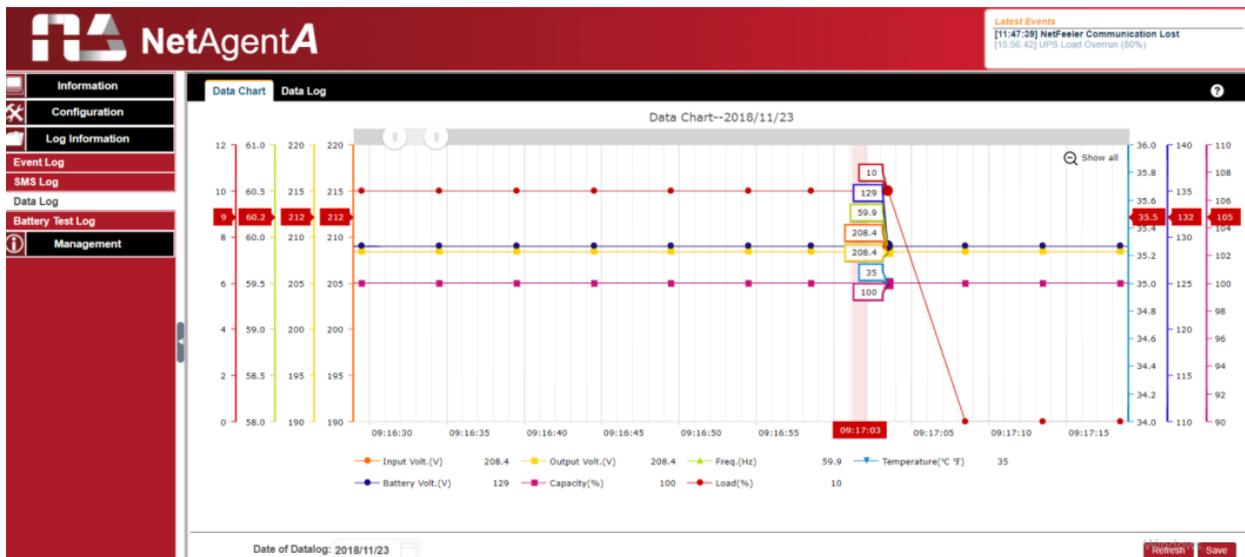
UPS communication has been established.: 8.33%
UPS self-test start.: 8.33%
UPS internal self-test complete.: 8.33%
Server address can not be resolved.: 16.67%
UPS communication has been lost.: 16.67%
Connection with time server failed.: 41.67%

- UPS communication has been lost. 2
- Connection with time server failed. 5
- Server address can not be resolved. 2
- UPS internal self-test complete. 1
- UPS self-test start. 1

Data Log

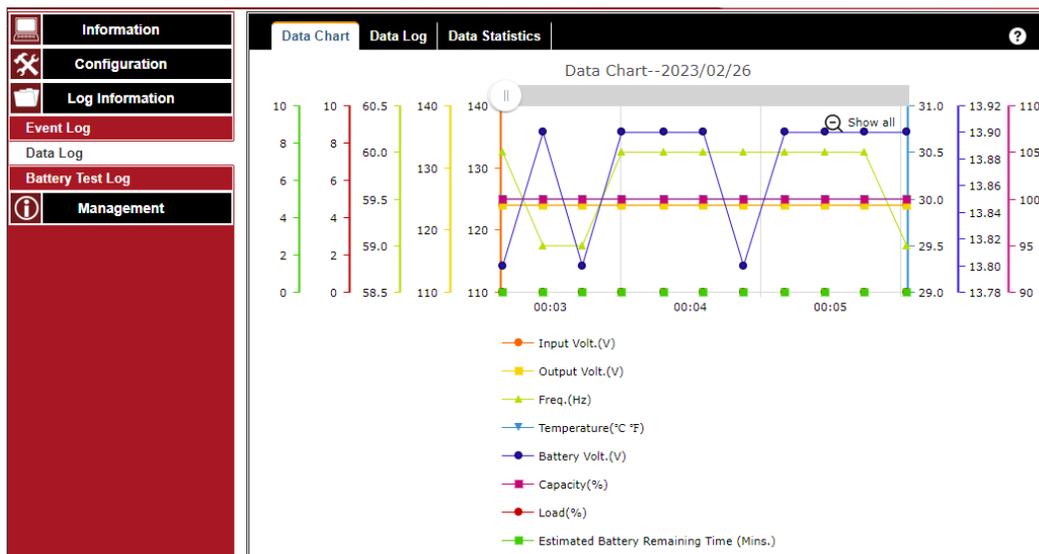
Data Chart

It records UPS Input Voltage/Output Voltage/ Frequency/ Loading/Capacity/ Temperature..etc., in chart format. The logs can be saved in CSV format by clicking on “Save” at the bottom of the page. The bar on top can be adjusted to check the log status at a specific time of the day.



Data Log

It records UPS Input Voltage/Output Voltage/ Frequency/ Loading/Capacity/ Temperature..etc., in a detailed list. When NetFeeler is connected, its status is also available.

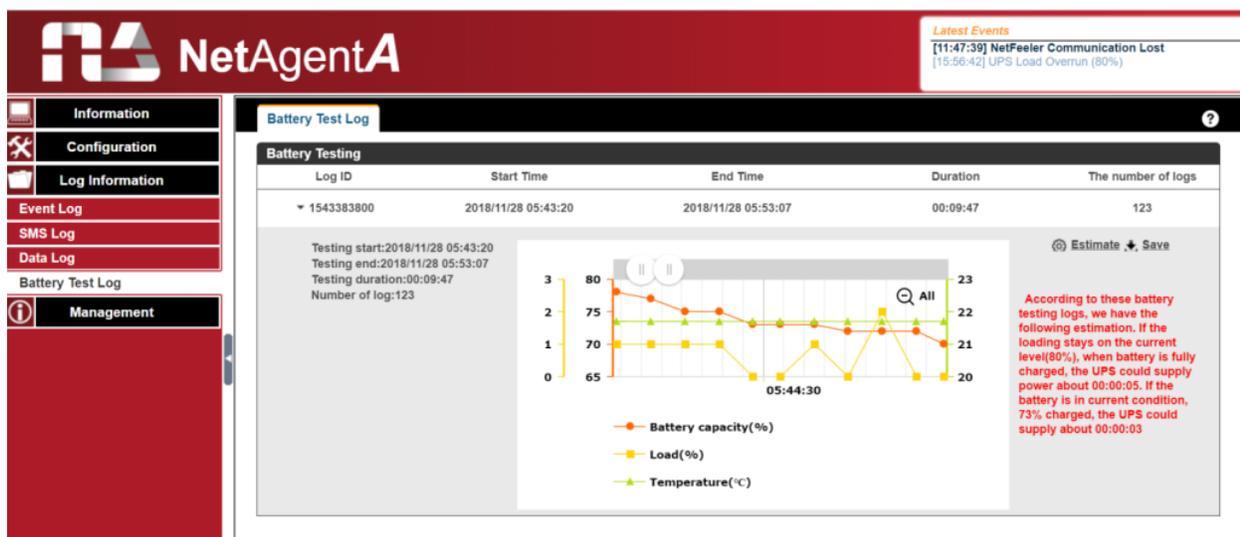


Data Statistics

No.	Name	Number Of Data	Maximum Value	Minimum Value	Average Value	Variance	Standard deviation
1	Input Volt.(V)	2251	124.0 09:51:22	120.0 10:45:16	123.2 2023-02-15	1.0 2023-02-15	1.0 2023-02-15
2	Output Volt.(V)	2251	124.0 09:51:22	120.0 10:45:16	123.2 2023-02-15	1.0 2023-02-15	1.0 2023-02-15
3	Freq.(Hz)	2251	61.0 00:35:44	59.0 10:48:09	59.9 2023-02-15	0.1 2023-02-15	0.3 2023-02-15
4	Temperature(°C °F)	2251	30.0/86.0 10:48:27	30.0/86.0 10:48:27	30.0/86.0 2023-02-15	0.0/0.0 2023-02-15	0.0/0.0 2023-02-15
5	Battery Volt.(V)	2251	14.0 10:48:09	13.9 10:48:27	13.9 2023-02-15	0.0 2023-02-15	0.0 2023-02-15
6	Cell Volt.(V)	2251	14.00 10:48:09	13.90 10:48:27	13.92 2023-02-15	0.00 2023-02-15	0.04 2023-02-15
7	Load(%)	2251	0.0 10:48:27	0.0 10:48:27	0.0 2023-02-15	0.0 2023-02-15	0.0 2023-02-15
8	Capacity(%)	2251	100.0 10:48:27	100.0 10:48:27	100.0 2023-02-15	0.0 2023-02-15	0.0 2023-02-15

Battery Test Log

Records the UPS Self-Tests, and displays them in a graphic. UPS Self-Test option is available under System Information > Remote control.



Management Tab

Netility Web

The screenshot shows the NetAgentA interface with the Management tab selected. A table lists the following data:

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
▶ 3925988885	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

This displays all the MegaTec cards within the network, with their serial number; Mac Address; Hardware/Firmware version, and IP address. Double-clicking on a card opens the webpage of that card.

File Manager

The screenshot shows the NetAgentA File Manager interface. The left pane shows a tree view with folders like 'log', 'batterylog', 'datalog', 'eventlog', and 'smslog'. The right pane shows the contents of the 'datalog' folder, listing a file 'datalog_20190111.dat' with a size of 6220808 and a modified time of 2019/01/11 02:01:16.

This is to manage the log files that the card generates. Specific log.dat can be downloaded or deleted. Once the file is deleted, the log record is also erased on the Log display under Log Information

Serial Port Debug

The screenshot shows the NetAgentA Serial Port Debug interface. The top navigation bar includes 'Information', 'Configuration', 'Log Information', 'Management', 'Netility Web', 'File Manager', 'Serial Port Debug', 'Help', and 'About'. The main content area is divided into 'Debug Information' and 'Port Information' tabs. Under 'Debug Information', there are radio buttons for 'ASCII' (selected) and 'Hexadecimal'. Below this is a 'Send Content' input field with a 'Send' button and a 'Sent Information' section with a 'Clear' button. The 'Received Information' section also has a 'Clear' button. The log displays the following data:

Time	Command	Response
2019/01/16 15:11:41	Q1r	
2019/01/16 15:11:39	Flr	
2019/01/16 15:11:37	lrr	
2019/01/16 15:11:35	Q1r	
2019/01/16 15:11:35	Flr	
2019/01/16 15:11:35	lrr	
2019/01/16 15:11:35	Q1r	
2019/01/16 15:11:35	Flr	
2019/01/16 15:11:35	lrr	
2019/01/16 15:11:35	Q1r	
2019/01/16 15:11:35	Flr	
2019/01/16 15:11:49	(208.4 140.0 208.4 080 59.9 2.11 35.0 00000000r	
2019/01/16 15:11:51	lrrn50 0 110 12.50 55.6r	
2019/01/16 15:11:51	lrrn08.4 140.0 208.4 080 59.9 2.11 35.0 00000000	
2019/01/16 15:11:49	#150.0 110 12.50 55.6r	
2019/01/16 15:11:47	lrrinegaTec M1000K V001203.12r	
2019/01/16 15:11:47	lrrmegaTec M1000K V001203.12r	
2019/01/16 15:11:47	lrrn08.4 140.0 208.4 080 59.9 2.11 35.0 00000000	

This displays the communication between the card and the UPS.

Debug Information

A command can be sent automatically by card, or it can be entered manually.

Sent Information

This column displays the real-time sent command

Received Information

This displays the response that the card receives from UPS

Port Information

The screenshot shows the NetAgentA Port Information configuration interface. The top navigation bar includes 'Information', 'Configuration', 'Log Information', 'Management', 'Netility Web', 'File Manager', 'Serial Port Debug', 'Help', and 'About'. The main content area is divided into 'Debug Information' and 'Port Information' tabs. The 'Port Information' tab is active, showing the following configuration options:

Debug Mode	Auto
Port	UPS
Speed(baud)	2400
Data Bits	8
Parity	None
Stop Bits	1 Bit

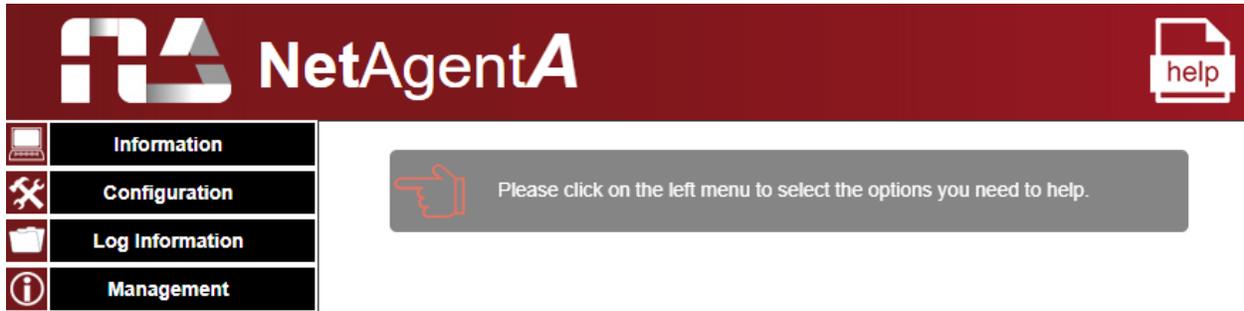
An 'Apply' button is located at the bottom right of the configuration area.

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.

Help

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



About



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

Firmware Updating

Warning!

The MegaTec STANDARD firmware is not fully compatible with our products.

Using firmware other may result in losing the functionality of the card or the UPS.

Please access the card and go to the Management Tab, About/Update Firmware to update the firmware or contact Marathon Power directly at support@marathon-power.com for the correct firmware.

Methods of upgrading the card's firmware,

(1) Click on a specific card from the Netility list

(2) Press and hold the CTRL key to select multiple cards from the list.

(3) Click on the first card from the list, then press and hold on the SHIFT key and then click on the last card in the list.

IMPORTANT! Please make sure if you select multiple cards that, they are the same model

If there is any failure during firmware upgrading, please try again. If the error occurs again, check that the hardware and firmware are compatible.

While upgrading, the red and yellow LED could alternatively flash. DO NOT remove any power or cable to the card. Once the firmware has been successfully upgraded, the card reboots automatically.

If a failure occurs during firmware upgrading, please try to upgrade the card again. If the 2nd attempt fails, please contact Marathon Power at support@marathon-power.com for assistance.



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