

NetAgent 9 SNMP Card User's Manual

for the SNMP-CY54-03 and SNMP-CY54-04 SNMP Cards

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Introduction

The NetAgent 9 SNMP 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 by merely entering the card's IP address into a web browser. The card also offers network management functions via SNMP NMS (Network Management System).

Features

- Save and Restore card configurations
- Centralized UPS Monitoring & Management
- Real-time UPS monitoring
- Scheduling of UPS and Battering Testing
- Automatic Event and Data logging.
- Easy setup and Firmware updating via the Netility software
- Management and configuration via Web Browser or NMS
- SNMPv1, SNMPv2C, and SNMPv3 Supported
- TRAP, email, and SMS messages for events notifications
- Automatically emailing of Daily Reports
- Supports SNMP MIB for monitoring & control
- Autosensing of Fast Ethernet 10M /100M
- Can gracefully shut down computers and servers after installing the ClientMate software

Web-Enabled

The card creates a portal for the UPS that can be accessed using any standard web browser.

Notifications

When an event such as a power failure or a low battery condition occurs, the card can notify authorized personnel.

Scheduling

The SNMP-CY54-03 card allows you to automatically set up a schedule to initiate a self-test.

Security

- Supports SSL/TLS, SSH Encryption
- The card can be restricted to authorized personnel only.

Upgrading

The firmware is easily updated.

Supported Protocols

The SNMP (Simple Network Management Protocol) is a way to monitor and manage a network. The card supports SNMPv1, SNMPv2C, SNMPv3, and many SNMP NMS (Network Management System, i.e., SNMP manager) can retrieve information from the UPS and control the UPS.

NMS,

The card has its own NMS, called UPSMON Manager. But you can also use other third-party NMS, such as HP OpenView, by importing its MIB file.

Supported Protocols

TCP/IP, HTTP, HTTPS, SSL, SSH, SMTP, SNTP, DHCP, Telnet, BOOTP, DNS, DDNS, RADIUS, IPv4, IPv6

Supported MIB Objects

PPC MIB, RFC1628, SNMPv1, SNMPv2, SNMPv3

Free Downloadable Software from our website

Netility is software that helps the user search for all the available NetAgent 9 cards within your LAN, configure IP addresses and upgrade firmware. Download it at <https://marathon-power.com/s/Netility.rar>

UPSMON Manager is an NMS software program used to monitor and control multiple cards. With UPSMON Manager, you can view a UPS's location, output status mode, battery capacity, AC status, battery status, and other parameters of all your UPSs, all in one window. Plus, you can perform self-tests, send history files, and more. Download it at [UPSMON Software](#)

iMConfig is software that allows a user to change the same parameter on multiple cards simultaneously. Please contact Marathon Power at support@marathon-power.com for the latest version of this software.

ClientMate is shutdown software for PCs and Servers that works with NetAgent 9 cards. When ClientMate, installed on a computer or servers, receives an AC Failure, battery low, or scheduled shutdown signal from a NetAgent 9 card, it saves the client's files and shuts down the system gracefully to avoid a system crash. 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, enabling event notifications to be sent via SMS messaging. Please contact Marathon Power at support@marathon-power.com for the latest version of this software.

To open rar files for free, please install 7-zip on your computer, available at <https://www.7-zip.org/download.html>

After installing 7-zip, you maybe give options for using the program, choose File Manager.

After clicking on the rar file, 7-zip opens. At this point, click on Extract on the upper lefthand side of the Toolbar. Then save the extracted exe file to your preferred location.

SNMP card UPS 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



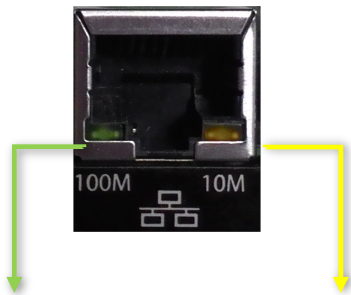
Turn ON UPS



LED Indications on the card






RJ45 Port



LED Status

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

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 cards

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.

Connecting to the SNMP-CY54-03 Card

The SNMP-CY54-03 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**

After making the connections above, open any web browser, and enter **192.168.1.254** into the address bar. The SNMP-CY54-03 does not require entering a username and password.

Connecting to the SNMP-CY54-04 Card

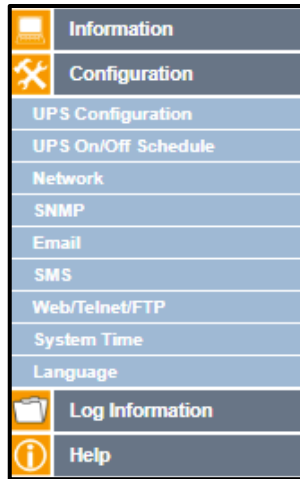
The SNMP-CY54-04 has a static IP address of **192.168.1.51** Subnet Mask: **255.255.255.0** Default Gateway: **192.168.1.1**

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**

After making the connections above, open any web browser, and enter **192.168.1.51** into the address bar. When asked, enter the username: **admin** and password: **user**

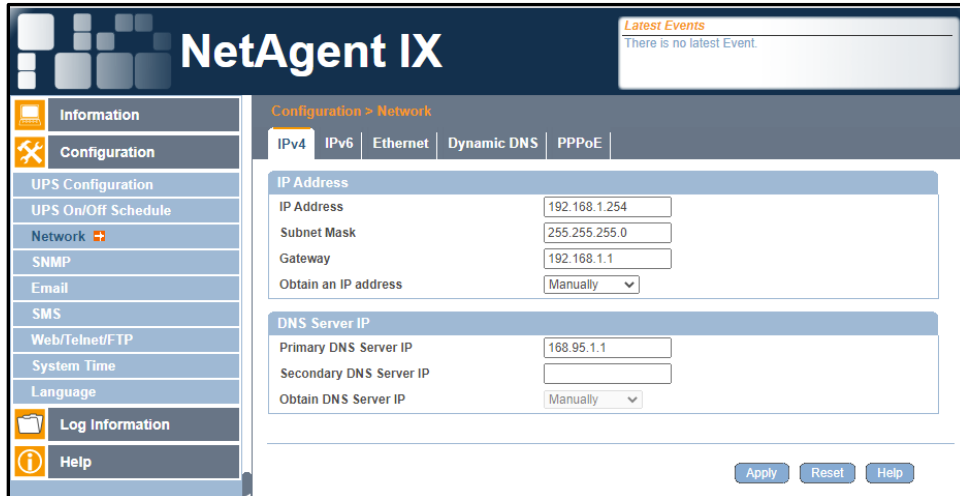
Configuration of the SNMP Cards

Configure four primary sub-menus card proper operation, Configuration/Network, Configuration/SNMP, Configuration/Email, and Configuration/System Time

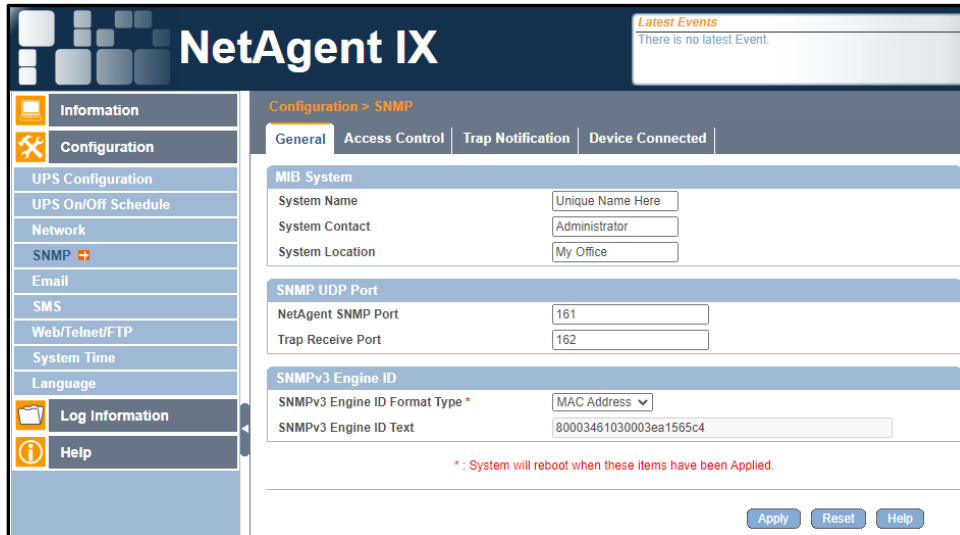


1. Configuration/Network

Enter a unique IP address to identify the SNMP card on your network



2. Configuration/SNMP (Uniquely Identifying Your UPS)



The screenshot shows the NetAgent IX web interface. The left sidebar contains a navigation menu with options: Information, Configuration, UPS Configuration, UPS On/Off Schedule, Network, SNMP, Email, SMS, Web/Telnet/FTP, System Time, Language, Log Information, and Help. The main content area is titled "Configuration > SNMP" and has tabs for "General", "Access Control", "Trap Notification", and "Device Connected". The "General" tab is active, showing the following fields:

- MIB System:** System Name (Unique Name Here), 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 (80003461030003ea1565c4).


A red asterisk note at the bottom states: "*: System will reboot when these items have been Applied." Buttons for "Apply", "Reset", and "Help" are located at the bottom right.

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. Configuration/Email

Email Settings

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



The screenshot shows the NetAgent IX web interface. The left sidebar is the same as in the previous screenshot. The main content area is titled "Configuration > Email" and has tabs for "Email Setting", "Email for Event Log", and "Email for Daily Report". The "Email Setting" tab is active, showing the following fields:

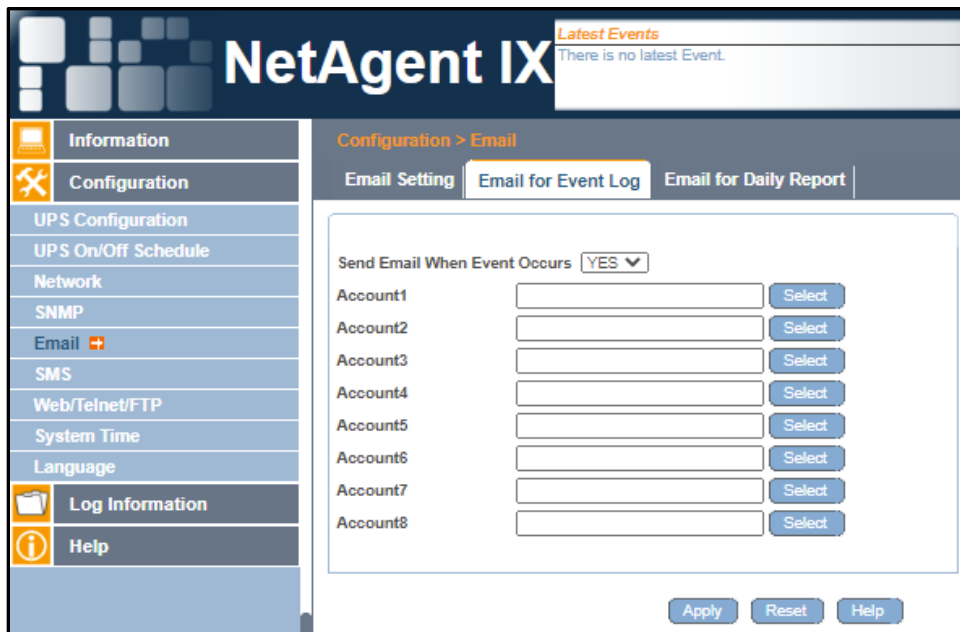
- Email Server (text input)
- Email Port (25)
- Enable SSL on Email Transmission (NONE)
- Sender's Email Address (text input)
- Email Server Requires Authentication (NO)
- Account Name (text input)
- Password (text input)
- Send Test Mail To (text input) with a "Test Mail" button.

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

You must enter a “Sender’s” email address to send email notifications. We recommend using a unique email address/account only for UPS event emailing instead of a person’s ’email address. This allows all the UPS notification emailing to be managed from one email account and an email client (program) like Outlook, offering a central point for management, updating, and security. Using an individual’s ’email address could be a problem later if the person’s responsibilities change or multiple technicians enter their email address.

Emailing of UPS Events

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



Event Notifications (CY54-03 Model)

Select Event

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"/>

Select All Clear All Apply

Event Notifications (CY54-04 Model)

Select Event

UPS Events

	YES	NO
Power failure	<input checked="" type="radio"/>	<input type="radio"/>
Power restore	<input checked="" type="radio"/>	<input type="radio"/>
Battery low	<input checked="" type="radio"/>	<input type="radio"/>
Communication lost	<input checked="" type="radio"/>	<input type="radio"/>
Communication established	<input checked="" type="radio"/>	<input type="radio"/>
Output overload	<input checked="" type="radio"/>	<input type="radio"/>
Output overload solved	<input checked="" type="radio"/>	<input type="radio"/>

Select All Clear All Apply

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

The screenshot shows the NetAgent IX web interface. The top header includes the NetAgent IX logo and a 'Latest Events' section with the text 'There is no latest Event.' The left sidebar contains navigation menus for 'Information', 'Configuration', 'Log Information', and 'Help'. The 'Configuration' menu is expanded, showing options like 'UPS Configuration', 'Email', 'SMS', etc. The main content area is titled 'Configuration > Email' and has three tabs: 'Email Setting', 'Email for Event Log', and 'Email for Daily Report'. The 'Email for Daily Report' tab is active, displaying a form with four input fields for 'Account1', 'Account2', 'Account3', and 'Account4'. Below these is a field for 'Send Email for Daily Report (hh:mm)' with a dropdown set to 'YES' and a value of '12:00'. At the bottom right of the form are 'Apply', 'Reset', and 'Help' buttons.

4. Configuration/System Time

The screenshot shows the NetAgent IX web interface for the 'System Time' configuration page. The top header and sidebar are identical to the previous screenshot. The main content area is titled 'Configuration > System Time' and contains two sections. The 'System Time' section includes fields for 'System Time (yyyy/mm/dd hh:mm:ss)' with the value '2021/04/08 20:14:04', 'Time Between Automatic Updates' set to '1 Hour', 'Time Server' set to 'time.nist.gov' with an 'Edit' button, 'Time Zone (Relative to GMT)' set to 'GMT', and 'Using Daylight Saving Time' set to 'NO'. Below this section are 'Apply' and 'Reset' buttons. The 'Restart' section includes 'Auto Restart System for Every (0: Disable)' with a value of '0' and a '(Minute(s))' dropdown, and 'Manual Restart System After 30 Seconds'. Both sections have 'Apply' and 'Reset' buttons.

Email Notifications Sent as SMS Notifications

If your cell phone service provider supports email to SMS, you may be able to receive event notifications on your cell phone. First, check with your provider and test that you receive SMS emails on your system.

Below are the most common cell service providers and their email-to-SMS address format.

Provider	Email-to-SMS Address Format
<i>AT&T</i>	<i>number@txt.att.net (SMS)</i> <i>number@mms.att.net (MMS)</i>
<i>Boost Mobile</i>	<i>number@smsmyboostmobile.com (SMS)</i> <i>number@myboostmobile.com (MMS)</i>
<i>Cricket</i>	<i>number@sms.cricketwireless.net (SMS)</i> <i>number@mms.cricketwireless.net (MMS)</i>
<i>Sprint</i>	<i>number@messaging.sprintpcs.com (SMS)</i> <i>number@pm.sprint.com (MMS)</i>
<i>T-Mobile</i>	<i>number@tmomail.net (SMS and MMS)</i>
<i>US Cellular</i>	<i>number@email.uscc.net (SMS)</i> <i>number@mms.uscc.net (MMS)</i>
<i>Verizon</i>	<i>number@vtext.com (SMS)</i> <i>number@vzwpx.com (MMS)</i>
<i>Virgin Mobile</i>	<i>number@vmobl.com (SMS)</i> <i>number@vmpix.com (MMS)</i>

From <<https://www.lifewire.com/sms-gateway-from-email-to-sms-text-message-2495456>>

5. 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. 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

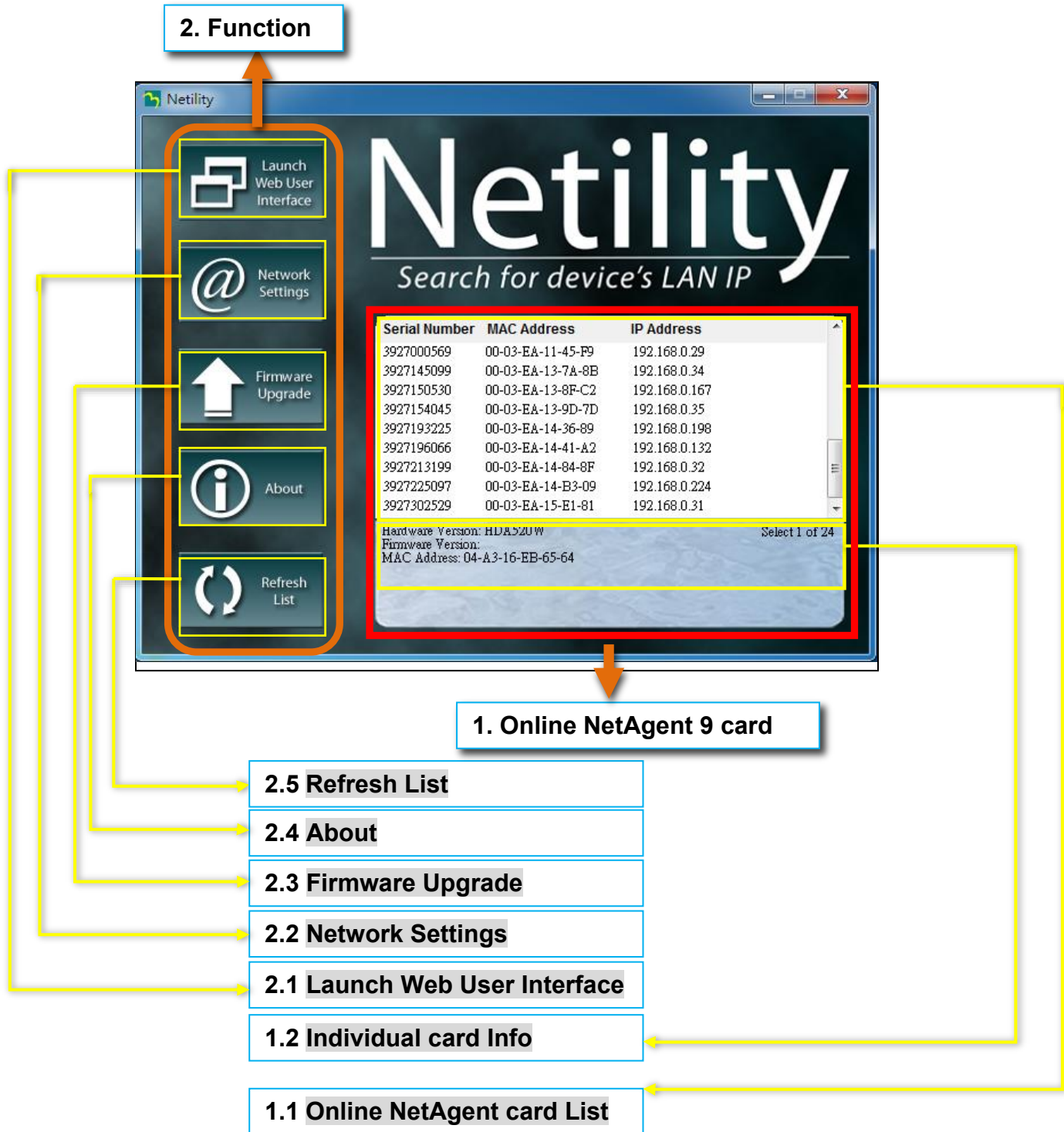
Use this function to restore the *.cfg configuration file. Click Browse to locate the file you want to restore and click Restore.



Using the Netility Configuration Software

Use the Netility software program to search for all the available NetAgent 9 cards on your network, configure individual IP addresses, and upgrade firmware. Available at <https://marathon-power.com/s/Netility.rar>

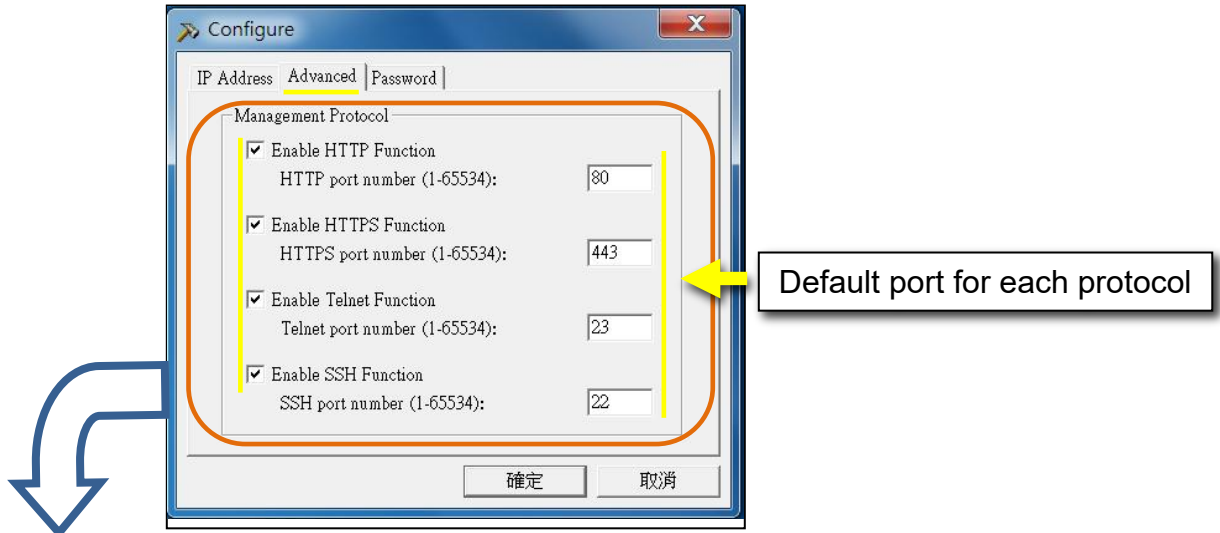
The Netility main page has a function section and an Online NetAgent card List.



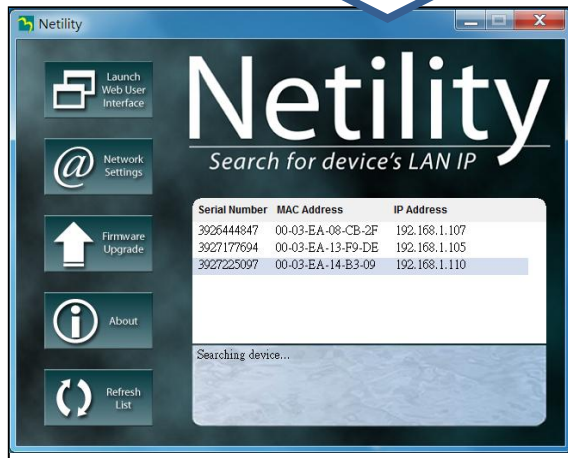
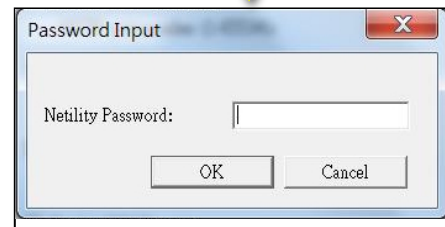
The image shows a screenshot of the Netility web interface. On the left, there is a sidebar with buttons for 'Launch Web User Interface', 'Network Settings', 'Firmware Upgrade', and 'About'. The main area displays the 'Netility' logo and a search prompt 'Search for device's LAN IP'. Below this is a table with three columns: 'Serial Number', 'MAC Address', and 'IP Address'. The table contains three rows of device information. A yellow arrow points to the 'Network Settings' button in the sidebar, with a callout box that says '2. Click on Network Settings'. Another yellow arrow points to the 'IP Address' column header in the table, with a callout box that says '1. Click on a specific card'. A blue arrow points from the table to a 'Network Settings' dialog box. This dialog box has tabs for 'IPv4 Address', 'IPv6 Address', 'Advanced', and 'Password'. The 'IPv4 Address' tab is selected, showing 'Address Configuration' options: 'Obtain IP address by DHCP', 'Obtain IP address by BOOTP', and 'Use following Static IP address'. The 'Use following Static IP address' option is selected. Below these options are input fields for 'IP Address', 'Subnet Mask', and 'Gateway'. The 'IP Address' field contains '192 . 168 . 1 . 214', 'Subnet Mask' contains '255 . 255 . 255 . 0', and 'Gateway' contains '192 . 168 . 1 . 1'. A yellow arrow points to the 'Obtain IP address by DHCP' option with a callout box that says 'Select to assign IP by DHCP'. Another yellow arrow points to the 'IP Address' field with a callout box that says 'Columns requires to be entered for Static IP address'. A blue arrow points from the dialog box back to the table.

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

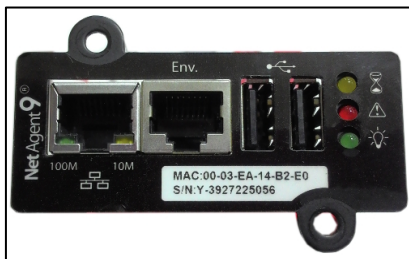
Hardware Version: HBY500
Firmware Version: 3.5.BY5
MAC Address: 00-03-EA-14-B3-09



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



NOTE: Each card has its unique serial number, MAC address, and password. They are shown on a label on the bottom of each card. This label will help to identify the card information on Netility.



NetAgent 9 Card List

When you start up Netility, it automatically searches all the available online NetAgent 9 SNMP cards within its LAN network. Then lists all the card's 'serial numbers, IP addresses, MAC addresses. (The list refreshes automatically every 2 minutes)

Individual Card Information

Single clicking on a specific card displays the card's hardware and firmware version and MAC address at the bottom of the page. Double-clicking on a card takes you to the card's webpage or select a card from the list and click on Launch Web User Interface to log in to the card's 'webpage.

Network Settings

When selecting DHCP or BOOTP, a network router assigns the IP address and other network parameters.

The card offers 4 network protocols - HTTP / HTTPS / TELNET / SSH. If you need to change the port number, you must enter the full IP address with the port number.

Example: HTTP port number change to 80

The full address to be entered in a browser would be "http://X.X.X.X:80 (XXXX is the IP address of the card)

Example: Telnet port number change to 23

The full address entered in HyperTerminal would be "http://X.X.X.X: 23 (XXXX is the IP address of the card)

SNMP Card Firmware Upgrading using Netility

Warning!

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

You must contact Marathon Power directly at support@marathon-power.com for the correct firmware.

Using any other firmware, other than what we provide, may result in a loss of functionality of the card or the UPS.

WARNING:

There are two different firmware versions available, one for the SNMP-CY54-03 card and one for the SNMP-CY54-04 card. **THE TWO FIRMWARE VERSIONS ARE NOT COMPATIBLE. INSTALLING AN INCORRECT FIRMWARE DAMAGES THE SNMP CARD.** Be sure to check that you have the correct firmware for your card before upgrading the firmware.

1. Highlight the card you want to update.
2. Click on the Firmware Update function in the Sub-menu on the left side.
3. Browse to where the firmware file is stored on your computer.
4. Click on Download. While upgrading, the red LED flashes. DO NOT remove the card from the UPS. The updating process takes approximately 5 minutes
5. After Netility displays that the card was successfully updated, click on Cancel to close the window.

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

Refresh List

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

Web UI Structure

This manual follows the same structure and layout of the SNMP card's 'web interface.

Information
System Status Basic Information Current Status Remote Control Meter / Chart
Configuration
UPS Configuration UPS On / Off Schedule Network SNMP Email SMS Web / Telnet System Time Language
Log Information
Event Log Data Log Battery Test Log
Help
Search The card Serial Port Debug Help About

Information Tab



System Status

System Information

This shows all the necessary information about the card, such as hardware/firmware version, serial number, uptime, etc. The data is obtained from the UPS and the UPS settings.

Network Status

This shows the network information and configuration.

Basic Information

Shows the UPS's 'information/Battery Information/Rating Information.

Current Status

Input Status

Output Status

Battery Status

When an abnormal condition occurs, it appears in red

Event Log and Event Timer (Only Available on the CY54-04 Model)

Summary (Only Available on the CY54-04 Model)

This shows a summary of the current UPS status

Contact Status (Only Available on the CY54-04 Model)

This shows the status of the dry contact relays

Remote Control

Here, the user can indicate a test of the UPS and various other UPS Control Commands remotely on the UPS. Once the option is selected, clicking Apply executes it.

UPS Testing

Miscellaneous (Control Commands) (Only Available on the CY54-03 Model)

These are various control commands that can be sent to a CY54-03 compatible UPS.

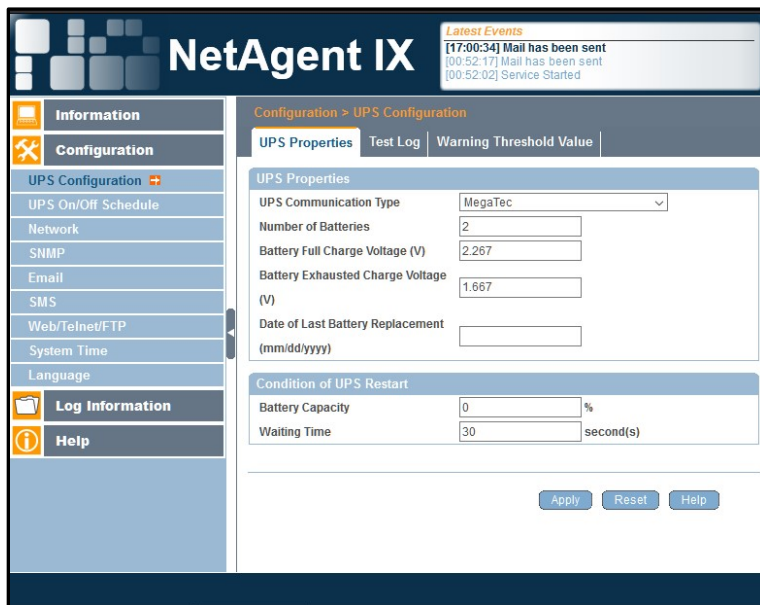
Dry Contact Status and Configuration (Only Available on the CY54-04 Model)

This is where each of the dry contact relays are configured. Each dry contact can be configured to change state for an On Battery, a Low Battery, a Timer, an Alarm Condition, a Fault Condition, or can be disabled.

Meter/Chart (Only Available on the CY54-03 Model)

The Meter/Chart section allows the UPS's 'Input, output, temperature, and frequency to be shown as a graphic or a chart. Java is required.

Configuration Tab



UPS Configuration (CY54-03 Model)

UPS Properties

Do Not change any of these settings. The standard MegaTec firmware was customized to work with our UPSs firmware without changing these settings. Changing these settings will not have any effect.

Except for entering the “Date of Last Battery replacement(mm/dd/yyyy)”

Number of Batteries, 3 is the default setting; Do not change this setting.

Battery Full Charge Voltage (V), 2.267 is the default setting; Do not change this setting.

Battery Exhausted Charge Voltage(V), 1.667 is the default setting; Do not change this setting.

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

Enter the Month/Day/Year

Condition of UPS Restart (Only Available on the CY54-03 Model)

Battery Capacity

If you do not want your UPS to restart until the batteries reach a specific capacity level, enter that level here.

Waiting Time

If you want your UPS to wait for a specific time before restarting, enter that time here.

Test Log - UPS Testing (CY54-03 Model Only)

Here, the user can schedule several UPS tests, a 10-Second Self-Test, a Test until Battery Low, a Deep Battery Test to a preset Schedule (specific length of time), and a test until the battery capacity reaches a particular level. Once the option is selected, clicking Apply executes it.

UPS Recorder

Adjusts how often the SNMP card retrieves data from the UPS

Critical Battery Capacity (%) (Only Available on the CY54-03 Model)

When UPS battery capacity reaches the capacity configured, the card sends a warning notification.

UPS On/Off Schedule (Only Available on the CY54-03 Model)

We do not recommend scheduling the UPS to turn Off.

UPS Action – UPS Shutdown

When the selected Action/Event occurs, the UPS shuts down.

The four Actions/Events available are UPS Load Overrun, AC Power Failed, UPS Battery Low, and UPS Temperature Overrun.

Wake On Lan (Only Available on the CY54-03 Model)

This section is to wake a PC or server, within its LAN, after AC recovery or when the battery capacity reaches the configured %. (Make sure this functionality is supported on the device and enabled in BIOS.) Next, enter the IP address of the LAN device for the card to communicate with that device.

Warning Threshold Levels (Only Available on the CY54-03 Model)

Time out after the loss of connection

If the card and UPS lose communication, the card sends a warning notification at this configured time.

Critical load (%)

When loading reaches the % configured, the card sends a warning notification.

UPS Temperature (°C)

When the UPS temperature reaches the degree configured, the card sends a warning notification.

UPS Configuration (CY54-04 Model)

UPS Properties

Battery Full Voltage(AC Power Normal)	<input type="text" value="0.000"/>
Battery Low Voltage(AC Power Normal)	<input type="text" value="0.000"/>
Battery Full Voltage(AC Failed)	<input type="text" value="0.000"/>
Battery Low Voltage(AC Failed)	<input type="text" value="0.000"/>
Loss of Power Delay time	<input type="text" value="20"/> sec

Because the TRTC Series UPS can be used with any battery, the following procedure enables you to have the best estimate of the battery capacity possible for each site tested. The estimated battery capacity is based on the battery's DC voltage as it decreases when the UPS is in battery mode. Battery capacity is a chemical reaction and is not linearly proportional to battery voltage. Therefore, the actual battery capacity may differ.

IMPORTANT ITEMS:

1. Use a multimeter can retain a minimum DC voltage reading. It is critical when measuring the Battery Low Voltage (AC Power Failed) DC voltage.
2. Do not copy the settings from one site to another. The number of times the batteries were cycled (used), battery age, and different loads affect each site's settings.
3. Actual battery capacity may differ from the estimated battery capacity.
4. It is vital to run additional backup time tests to correlate battery capacities to backup times.

Battery Full Voltage (AC Power Normal) is the measured voltage when the UPS is in online/Normal Mode

When the UPS has been online long enough to charge the batteries fully, and the battery voltage has stabilized, measure the battery voltage of the entire string of batteries using the two Battery Voltage Test Points built into the UPS. This voltage level is considered as a 100% Point.

For a 48V system, the total voltage usually is around 55V. For a 24V system, the total voltage is usually around 27.0V. Your measured battery voltages may differ slightly.

Battery Full Voltage (AC Power Failed) is the stable DC Voltage after the UPS has been in battery mode for a couple of minutes.

When AC power fails and the UPS transfers to battery mode, the battery string voltage instantly drops because the batteries are now carrying the load, and the charging voltage is no longer available. Wait a couple of minutes for the battery voltage to stabilize. The UPS considers this the 100% point when UPS is in battery mode.

After AC power fails and the UPS has exhausted its available battery capacity, and the load turns off. This UPS state is called a low battery shutdown or **Battery Low Voltage (AC Power Failed)**

Battery Low Voltage (AC Power Failed) is the minimum DC voltage measured right at low battery shutdown. You must record the minimum DC voltage before the battery voltage bounces back. This bounceback is why you need a multimeter that retains a minimum DC voltage value.

Battery Low Voltage (AC Power Normal) is a couple of minutes after bounceback when the battery voltage, without AC power, stabilizes. The UPS measures this voltage level when AC power returns and starts to charge the batteries. The UPS uses this as a 0% point.

We must measure the Battery Low Voltage (AC Power Failed) before it bounces back and the Battery Low Voltage (AC Power Normal) after it bounces back and stabilizes

Battery Low Voltage (AC Power Normal) is DC voltage at low battery shutdown.

Battery Low Voltage (AC Power Failed) is the DC Voltage measured after low shutdown bounceback.

Loss of Power Delay Time

Occasionally there are power events that only last for seconds. The Loss of Power Delay Time sets how long the -04 card waits before sending notifications. For example, setting the delay for 20 seconds eliminates notifications of events lasting less than 20 seconds.

Test Log (CY54-04 Model)

Adjust how often the SNMP card retrieves new data from the UPS.

Maintenance (Only Available on the CY54-04 Model)**Battery Charging Temperature Compensation****Battery Voltage Low Warning****External Fan On/Off by Temperature****Battery Test Options****Inverter On/Off (Load/Output ONLY)**

This command turns off the output of the UPS only when the UPS is in battery mode. It turns off the output ONLY, NOT THE UPS.

Reset the Event/Timer Counters

Resets the UPS log, timers, and counters

Change Password

Transfer Points (Only Available on the CY54-04 Model)

NetAgent IX

Configuration > UPS Configuration

UPS Properties | Test Log | Maintenance | **Transfer Point**

High Transfer Point Setting

High Limit Point (120-150V)	150	V
High Hyst Point	145	V
High Gap (3-7V)	5	V

Buck Transfer Point Setting

Buck High Point (120-144V)	130	V
Buck Low Point	125	V

Boost Transfer Point Setting

Boost High Point	107	V
Boost Low Point (96-120V)	102	V

Low Transfer Point Setting

Low Limit Point (90-120V)	90	V
Low Hyst Point	95	V
Low Gap (3-7V)	5	V

AVR Feature Setting

Buck Feature	<input checked="" type="radio"/> On <input type="radio"/> Off
Boost Feature	<input checked="" type="radio"/> On <input type="radio"/> Off

Apply Reset Help

This option allows the user to change various detection and warning levels of the UPS. The factory default values concur with those specified by most Departments of Transportations.

Our Line-Interactive UPSs have a transformer with a second tap off the primary winding. When Buck or boost is enabled, the transformer automatically switches the secondary tap to buck or boost the output voltage by 10%.

Buck and boost are ideal when the AC line voltage is consistently higher or lower than nominal. The transformer can buck (lower) or boost (raise) the output AC voltage without the UPS going into battery mode.

Transfer Point Descriptions (CY54-04 Model)

We DO NOT recommend making transfer point adjustments. Doing so could adversely affect the operation of the UPS.

Some levels are interdependent. Meaning changing a value may cause other values to change automatically.

Slow Detect High Limit

When the input voltage exceeds this level, TRTC SERIES UPS transfers to Battery Mode from Buck Mode (when enabled) or Line mode.

Slow Detect High Hysteresis

When input voltage returns below this level, TRTC SERIES UPS transfers back to Line Mode from Battery Mode.

Slow Detect Buck High

When the input voltage exceeds this level, TRTC SERIES UPS transfers to Buck Mode (when enabled, this reduces the output).

Slow Detect Buck Low

When input voltage returns below this level, TRTC SERIES UPS releases the Buck Mode (when enabled) and transfers back to Line Mode.

Slow Detect Boost High

When input voltage returns above this level, TRTC SERIES UPS releases the Boost Mode (when enabled) and transfers back to the Line Mode.

Slow Detect Boost Low

When input voltage reduces below this level, TRTC SERIES UPS transfers to Boost Mode (when enabled), increasing the output.

Slow Detect Low Hysteresis

When input voltage returns above this level, TRTC SERIES UPS transfers back to the Line Mode from Battery Mode.

Default Transfer Point Settings (CY54-04 Model)

	Range	Effect. Lower Limit	Effect. Upper Limit	Buck On Boost On	Buck Off Boost Off
High Limit	120-150	120	150	150	130
High Buck	120-144	120	144	130	125
High Gap	3-7	3	7	5	5
Low Gap	3-7	3	7	5	5
Low Boost	96-120	96	120	102	105
Low Limit	90-120	90	120	90	100

Rebooting the UPS (TRTC Series UPSs)

Using the SNMP-CY54-04 SNMP Card, go to Configuration/Maintenance/Battery Test Options.

1. Start a Battery Test.
2. While the Battery Test is running. Use the Inverter On/Off control (below the Battery Test control) to turn off the Inverter. The output of the UPS turns OFF for 30 seconds.

The same procedure above can be rebooted using the front panel controls on the UPS.

Network

Ipv4

Select how an IPv4 IP address is obtained using the drop-down list, either manually entered, DHCP or BOOTP. Clicking Apply reboots the card.

Ipv6

Select how the IP address is obtained using the drop-down list, either Automatic, Stateless DHCPV6, DHCPV6, or manually entered. Clicking Apply reboots the card.

IP Address

DNS Server IP

Ethernet Connection Type

This section is to set communication speed between the card and network.

Clicking Apply reboots the card.

Modbus on TCP Device ID

Dynamic DNS

This service allows users to alias a dynamic IP address to a static hostname. First, ensure that the account and password are registered with the DDNS service provider.

Service Provider

Select Dynamic DNS providers from a list

Domain Name

The Domain Name that you have created from the above selected DDNS provider

Login Name

Login / Account name you created with the selected DDNS provider.

Login Password

Enter the password you have assigned to your DDNS account.

Use an external STUN server to get Public IP to register

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

PPPoE

Use this option to allow the card 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, the card connects directly to your LAN. An abnormal connection failure will cause a re-dial

Rebooting the SNMP Card ONLY

Restart

Go to the System Time sub-menu on the left side. At the bottom of the page is "Restart"
"This reboots the SNMP card ONLY; Not the UPS."

Auto Restart System for Every (0 is disabled)

The card to restart automatically at a preset hour or minute

Manual Restart System After 30 seconds

Once click on Apply, The card restarts after 30 seconds.

Restart

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

Manual Restart System After 30 Seconds

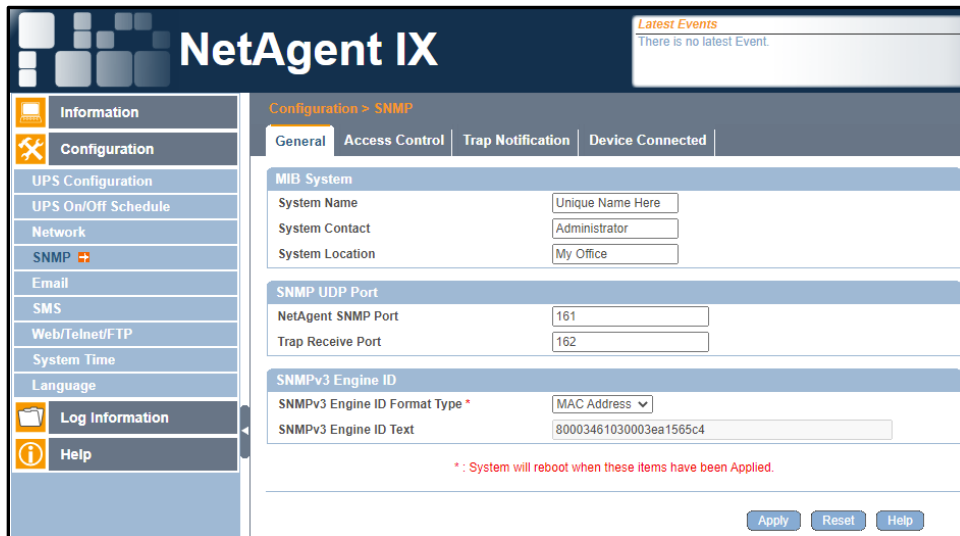
SNMP (Uniquely Identifying the UPS and its Notifications)

MIB System

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.



The screenshot shows the NetAgent IX configuration interface. The left sidebar contains navigation options: Information, Configuration (selected), UPS Configuration, UPS On/Off Schedule, Network, SNMP (selected), Email, SMS, Web/Telnet/FTP, System Time, Language, Log Information, and Help. The main content area is titled 'Configuration > SNMP' and has tabs for General, Access Control, Trap Notification, and Device Connected. The 'General' tab is active, showing the following fields:

- MIB System:**
 - System Name: Unique Name Here
 - 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 (dropdown)
 - SNMPv3 Engine ID Text: 80003461030003ea1565c4

A red warning message at the bottom states: '*: System will reboot when these items have been Applied.' Buttons for Apply, Reset, and Help are located at the bottom right.

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 can be selected from the drop-down list options, MAC Address / IPv4 / IPv6 / Manual options. Clicking on Apply reboots the card.

Access Control

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 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 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 Notifications

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)

MIB Type

PPC MIB is the default. RFC1628 MIB NOT recommended.

MIB files are available by contacting Marathon Power at support@marathon-power.com

Severity

This section sets the TRAP level for each receiver. There are three levels of Severity,

1. Information: To receive all the TRAPs.
2. Warning: To receive only the warning TRAPs.
3. Severe: To receive only the severe TRAPs. (Please refer to your NMS manual for TRAP levels.)

Description

This is to make a note for an administrator's 'reference.

Events

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

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

Device Connected

This section sets the power usage and connection status of devices connected to the same UPS if needed.

Email

Email Settings

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

The screenshot displays the NetAgent IX web interface. The top navigation bar includes 'Information', 'Configuration', 'Log Information', and 'Help'. The 'Configuration' menu is expanded, showing options like 'UPS Configuration', 'Network', 'SNMP', 'Email', 'SMS', 'Web/Telnet/FTP', 'System Time', and 'Language'. The 'Email' option is selected, leading to the 'Configuration > Email' page. This page has three tabs: 'Email Setting', 'Email for Event Log', and 'Email for Daily Report'. The 'Email Setting' tab is active, showing a form with the following fields: 'Email Server' (text input), 'Email Port' (text input with '25' entered), 'Enable SSL on Email' (checkbox), 'Transmission' (dropdown menu with 'NONE' selected), 'Sender's Email Address' (text input), 'Email Server Requires Authentication' (checkbox), 'Account Name' (text input), 'Password' (text input), and 'Send Test Mail To' (text input). A 'Test Mail' button is located to the right of the 'Send Test Mail To' field. At the bottom of the form are 'Apply', 'Reset', and 'Help' buttons. In the top right corner, there is a 'Latest Events' box with the text 'There is no latest Event.'

You must enter a "Sender's" email address to send email notifications. We recommend using a unique email address/account only for UPS event emailing instead of a person's email address. This allows all the UPS emailing to be managed from one email account and an email client (program) like Outlook, offering a central point for management, updating, and security. Using an individual's email address could be a problem if the person's responsibilities change or multiple technicians enter their email address.

Emailing of Power and UPS Events

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

The screenshot shows the NetAgent IX web interface. At the top, there is a header with the NetAgent IX logo and a 'Latest Events' section that says 'There is no latest Event.' Below the header is a navigation menu with categories: Information, Configuration, Log Information, and Help. The 'Configuration' category is expanded to show 'Configuration > Email'. Under 'Email', there are three sub-sections: 'Email Setting', 'Email for Event Log', and 'Email for Daily Report'. The 'Email for Event Log' section is active. It contains a dropdown menu for 'Send Email When Event Occurs' set to 'YES'. Below this are eight rows, each with an account name (Account1 through Account8), an empty text input field for an email address, and a 'Select' button. At the bottom of the configuration area are three buttons: 'Apply', 'Reset', and 'Help'.

Account	Email Address	Action
Account1	<input type="text"/>	Select
Account2	<input type="text"/>	Select
Account3	<input type="text"/>	Select
Account4	<input type="text"/>	Select
Account5	<input type="text"/>	Select
Account6	<input type="text"/>	Select
Account7	<input type="text"/>	Select
Account8	<input type="text"/>	Select

Event Notifications (CY54-03 Model)

Select Event

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"/>

Select All Clear All Apply

Event Notifications (CY54-04 Model)

Select Event

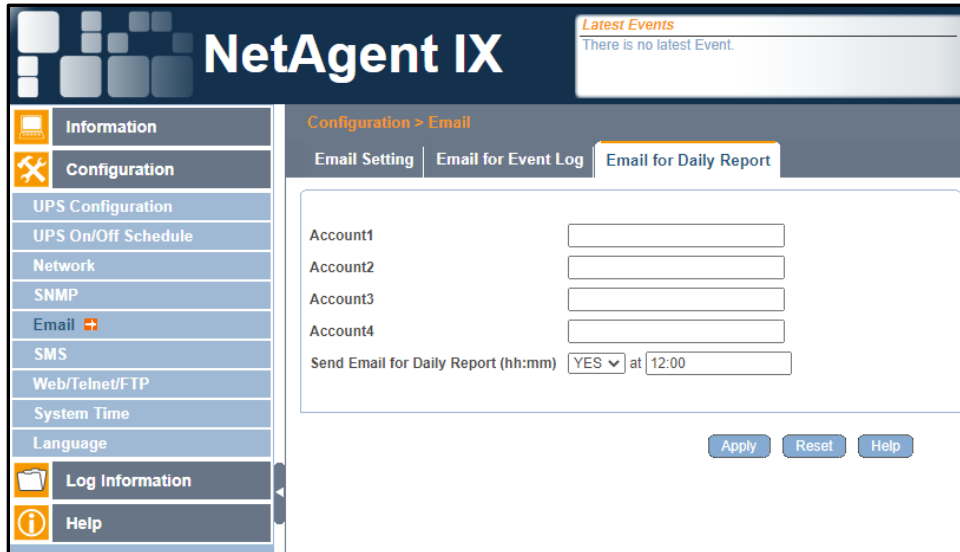
UPS Events

	YES	NO
Power failure	<input checked="" type="radio"/>	<input type="radio"/>
Power restore	<input checked="" type="radio"/>	<input type="radio"/>
Battery low	<input checked="" type="radio"/>	<input type="radio"/>
Communication lost	<input checked="" type="radio"/>	<input type="radio"/>
Communication established	<input checked="" type="radio"/>	<input type="radio"/>
Output overload	<input checked="" type="radio"/>	<input type="radio"/>
Output overload solved	<input checked="" type="radio"/>	<input type="radio"/>

Select All Clear All Apply

Emailing of Daily Report

Enter the email addresses of the people needing to receive a daily copy of the day's event and data logs as a CSV file. The data and event logs are also available for download using the card's UI. We recommend using 23:58 as the time to send a daily report.



The screenshot displays the NetAgent IX web interface. The top header features the 'NetAgent IX' logo and a 'Latest Events' section with the message 'There is no latest Event.' The left sidebar contains a navigation menu with categories: Information, Configuration (expanded), Log Information, and Help. Under 'Configuration', options include UPS Configuration, UPS On/Off Schedule, Network, SNMP, Email (selected), SMS, Web/Telnet/FTP, System Time, and Language. The main content area is titled 'Configuration > Email' and has three tabs: 'Email Setting', 'Email for Event Log', and 'Email for Daily Report' (active). The 'Email for Daily Report' tab contains four text input fields labeled 'Account1', 'Account2', 'Account3', and 'Account4'. Below these is a dropdown menu for 'Send Email for Daily Report (hh:mm)' set to 'YES' and a time input field set to '12:00'. At the bottom right of the form are three buttons: 'Apply', 'Reset', and 'Help'.

Notifications Sent as SMS Notifications

If your cell phone service provider supports email to SMS, you may be able to receive event notifications on your cell phone. First, check with your provider, and check that you receive emails as SNS messages on your system.

Below are the most common cell service providers and their email-to-SMS address format.

Provider	Email-to-SMS Address Format
<i>AT&T</i>	<i>number@txt.att.net (SMS)</i> <i>number@mms.att.net (MMS)</i>
<i>Boost Mobile</i>	<i>number@smsmyboostmobile.com (SMS)</i> <i>number@myboostmobile.com (MMS)</i>
<i>Cricket</i>	<i>number@sms.cricketwireless.net (SMS)</i> <i>number@mms.cricketwireless.net (MMS)</i>
<i>Sprint</i>	<i>number@messaging.sprintpcs.com (SMS)</i> <i>number@pm.sprint.com (MMS)</i>
<i>T-Mobile</i>	<i>number@tmomail.net (SMS and MMS)</i>
<i>US Cellular</i>	<i>number@email.uscc.net (SMS)</i> <i>number@mms.uscc.net (MMS)</i>
<i>Verizon</i>	<i>number@vtext.com (SMS)</i> <i>number@vzwpx.com (MMS)</i>
<i>Virgin Mobile</i>	<i>number@vmobl.com (SMS)</i> <i>number@vmpix.com (MMS)</i>

From <<https://www.lifewire.com/sms-gateway-from-email-to-sms-text-message-2495456>>

SMS Server

The CY54-03 and CY54-04 support using an SMS Server. Please contact Marathon Power at support@marathon-power.com for the latest version of MegaTec's SMS Server software.

SMS Server

Enter the IP address of the SMS Server.

SMS Port :

Enter the SMS Server's port number for sending SMS. (Port 80 is the default)

Account Name

Enter SMS Server's account name if required

Password :

Enter SMS Server's password if required

Sending test SMS

Enter a mobile number when the configuration is finished to test the SMS Server configuration.

Mobile for Event Log

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

Web/Telnet/FTP – Security Settings

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

User Name

This 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 :

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.) To create your own public key and certification, please refer to OpenSSL

Supported SSL Protocols

SSL v2

SSL v3

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

Clicking Apply reboots the card.

RADIUS Server Settings

If RADIUS server authentication is required for your network, Add the card by entering the following information.

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 login.

Connection Retry :

Sets the number of connections to the RADIUS server again

Please contact Marathon Power at support@marathon-power.com if you need additional RADIUS Server details.

System Time

This page is to set the card's system time. Then, the card can synchronize with an external or internal Time Server.

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

Sets the card's current system time/date, click on Adjust Now to automatically adjust to the correct time/date.

Time Between Automatic Updates

To set an interval for time synchronization.

Time Server

The timeserver can be selected from the drop-down list or by adding it manually.

Recommended: time.windows.com or time.nist.gov

Time Zone (Relative to GMT)

Use the drop-down list 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.

Rebooting the Card

Go to Configuration/System Time

"Restart" Reboots the SNMP card ONLY, not the UPS.

Auto Restart System for Every (0 is disabled)

The card to restart automatically at a preset hour or minute

Manual Restart System After 30 seconds

Once click on Apply, The card restarts after 30 seconds.

Restart

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

Manual Restart System After 30 Seconds

Language

When you first log in to the webpage of the card, auto-detects the OS language of the PC and shows the same language on its web pages. Users may also choose the language per preference.

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

Interface Language

<input checked="" type="radio"/> English	<input type="radio"/> 繁體中文
<input type="radio"/> Deutsch	<input type="radio"/> 簡體中文
<input type="radio"/> Português	<input type="radio"/> 한글
<input type="radio"/> Español	<input type="radio"/> 日本語
<input type="radio"/> Français	<input type="radio"/> Русский
<input type="radio"/> Italiano	<input type="radio"/> ไทย
<input type="radio"/> Türkçe	<input type="radio"/> Polska

(Note: Setting preferences will not work if you have disabled cookies in your browser.)

Email Preference

Select a language preference for the email and SMS messages.

Log Information Tab

If no events or data are listed, you may need to adjust the Date of Data log range at the bottom of the page.



Event Log

It shows a record of all events, giving the Date/Time of the event and a detailed description of each. Log capacity is **1000** logs. When the limit is reached, the card overwrites the oldest log. The log can be saved as a csv file by clicking on “Save Event Log.”

Data Log

It records UPS Input Voltage/Output Voltage/ Frequency/ Loading/Capacity/ Log capacity is **5000** logs. When the limit is reached, the card overwrites the oldest log. Data Logs are saved in the CSV format by clicking on “Save Data Log.”

Battery Test Log (Only Available on the CY54-03 Model)

The Battery Test Log is a log of each time the UPS remote control Self-Test, under System Information, was run.

UPS Event Log (Only Available on the CY54-04 Model)

The UPS Event Log gives you details specific to the UPS.

Help Tab

Search NetAgent

Search NetAgent cards displays all the NetAgent cards within your LAN. Listing the device's serial number, Mac Address, Hardware version, Firmware version, and its IP address.

Double-clicking on it opens that card's webpage.

Serial Port Debug (Only Available on the CY54-03 Model)

Please contact Marathon Power at support@marathon-power.com for information about the serial port debug feature.

Help

Help opens another browser tab, showing an interactive version of the NetAgent card's web interface.

This interactive version gives you descriptions and explanations instead of adjustment and settings options, illustrating each feature/option that the NetAgent card offers.

An important note is that this could be an exact copy of your actual card. Keep this in mind, or you may confuse the Help Tab with your actual card.

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_####.cfg.

Restore the previous configuration

Use this function to restore a *.cfg configuration that was previously saved. Click on Browse, then go to the file's location and click Restore.

Reset to factory default

This function resets all The card settings to their default values, including restoring the card's IP address to its defaults, **CY54-03** 192.168.1.254, **CY54-04** 192.168.1.51.

Firmware Update Settings

Warning!

It is **EXTREMELY IMPORTANT** that you **do not use** the “Update Now” if the user **netagent9** is visible.

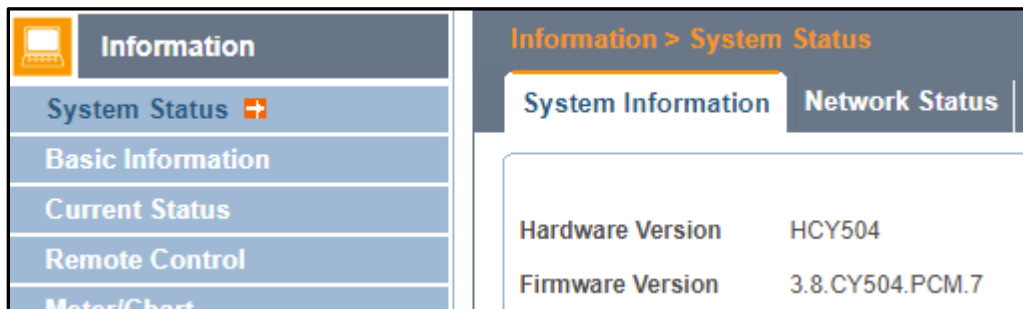
WRONG SETTINGS

FTP Server	<input type="text" value="ftp.icv99.com"/>
User	<input type="text" value="netagent9"/>
Password	<input type="password" value="*****"/>

Using User **netagent9** will download MegaTec’s standard firmware. **It is not fully compatible with our products** and may result in a loss of functionality of the card or the UPS..

Updating the CY54-03 Card’s Firmware - Important Note

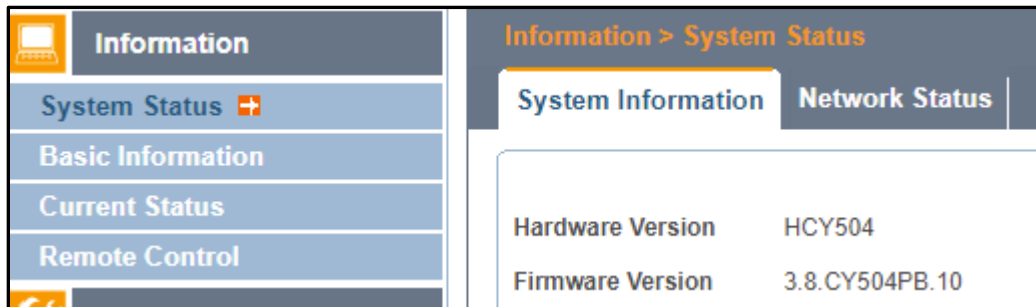
If the firmware installed on your CY54-03 card is older than 3.8.CY504.PCM.7, please contact Marathon Power at support@marathon-power.com for the latest firmware. To see what firmware version is installed on your card, go to Information/System Status/System Information.



Updating the CY54-04 Card’s Firmware - Important Note

If the firmware installed on your CY54-04 card is older than 3.8.CY504.PB.10, please contact Marathon Power at support@marathon-power.com for the latest firmware.

To see what firmware version is installed on your card, go to Information/System Status/System Information.



About

Shows the card's hardware version, firmware, and serial number.

Password Recovery

To reset the card's password, follow the steps below.

1. Using a PC on the same LAN network as the NetAgent 9 card with the unknown password.
2. Open a web browser and type `http://xxx.xxx.xxx.xxx/password.cgi` (xxx.xxx.xxx.xxx is the IP address of the card), and click Enter

For the ID, enter **admin**

For the password: Enter the password located on the label under the SNMP card.

3. Press continue and clear

The username and password have been cleared/removed, and you can log into the card.



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