SNMP Card User's Manual

For cards SNMP-CY54-03 and SNMP-CY54-04

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1. Introduction

The NetAgent 9 SNMP card adds network monitoring and network 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 over your LAN by merely entering the card's IP address into a web browser. The NetAgent 9 SNMP card also offers network management functions via SNMP NMS (Network Management System) if you prefer.

The following sections briefly describe the NetAgent 9 SNMP card:

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 Telnet, Web Browser or NMS
SNMP TRAP, E-mail and SMS messages for events notifications
Automatically email UPS history reports
Supports SNMP MIB to monitoring & control
Auto-sensing of Fast Ethernet 10M /100M
Gracefully shutdown computers with after installing the ClientMate software

Web-Enabled

The NetAgent 9 card creates a website for the UPS so that you can access the UPS via any standard web browser.

Notifications

When an event such as a power failure or a low battery condition occurs, NetAgent 9 card can notify authorized personnel/users.

Scheduling

NetAgent 9 card allows you to set up a schedule for it to initiate a self-test automatically.

Security

Support SSL/TLS, SSH Encryption. Can be restricted to authorized personnel only.

Upgrades

The firmware is easily updated using the included Netility software.

SNMP

The SNMP (Simple Network Management Protocol) is the most popular way to monitor and manage a network. Since the NetAgent 9 card supports SNMP, any SNMP NMS (Network Management System, i.e., SNMP manager) may be used to retrieve information about the UPS and control it.

NMS

The NetAgent 9 card has its own NMS, called SNMPView. You can also use another third-party NMS, such as HP OpenView, by importing its MIB file.

Supported LAN 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

Downloadable Software from our website

Netility is tool software that helps the user to search for all the available NetAgent 9 cards within your LAN, as well as to configure IP addresses and upgrade firmware.

SNMPView is an NMS software program used to monitor and control multiple NetAgent 9 cards. With SNMPView, you can view a UPS's location, output status node, battery capacity, AC status, and battery status and other parameters of all your UPSs, in one window. Plus, you can also configure the UPS to perform self-tests and send history files and more.

iMConfig is software that allows a user to change the same parameter on multiple NetAgent cards simultaneously.

SMS Server Software allows the NetAgent 9 card to communicate with an SMS Server, enabling event notifications to be sent via SMS messaging.

ClientMate provides a client-based shutdown utility that can safety shutdown any computers on the LAN. Since the UPS can supply power to many computers, it may be necessary to shut down more than one computer before turning off the UPS. When the UPS is in AC failure condition or Battery Low condition, the NetAgent 9 SNMP card sends out a Shutdown signal to the computers on the LAN. Each computer on the LAN that has the ClientMate Software installed will then automatically close all the files of the operating system and shutdown gracefully, avoiding system/file corruption.

2. NetAgent Installation

NetAgent Installation

Find INTELLIGENT SLOT on UPS and remove the panel

Insert NetAgent into the slot and fit into the connector

Screw lock on the two sides

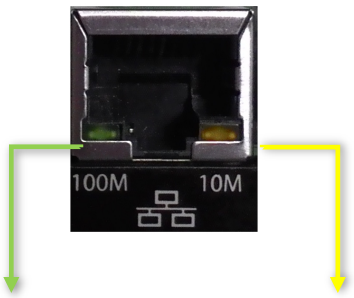
Connect LAN cable

Turn ON UPS

NetAgent 9 LED Indications

CX/CY 504

RJ45 Port



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

LED Status

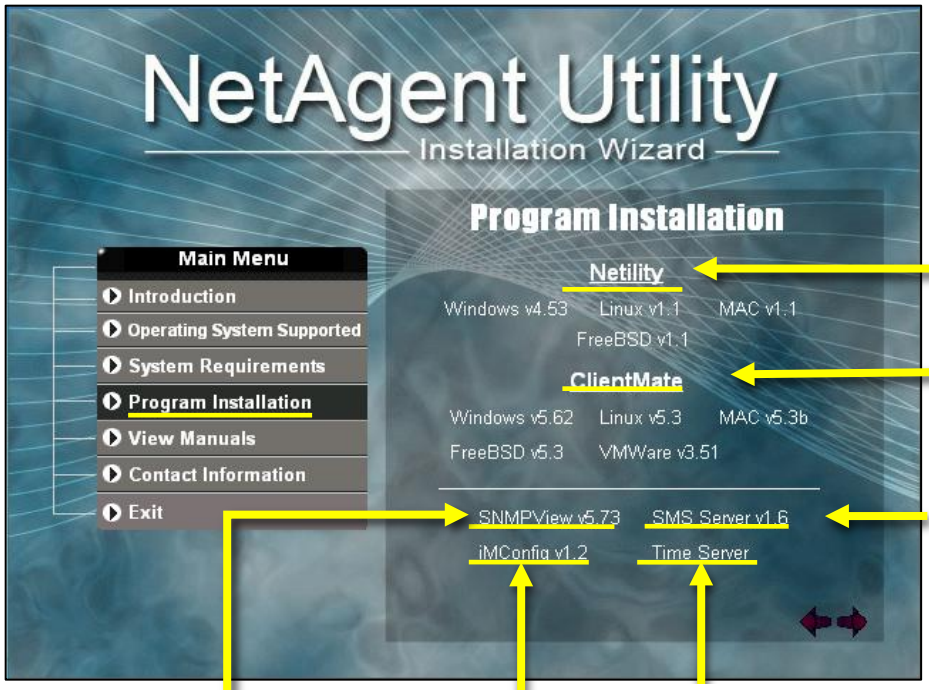
Status	Power On	Lost Communication	Writing Firmware
Yellow  **NetAgent 9 Status**	**On**	**On**	**Off**
Red  **UPS Communication**	**Off**	**Flashing**	**Flashing**
Green  **Power**	**On**	**On**	**On**

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

IMPORTANT NOTE ABOUT CONNECTING TO THE NETAGENT SNMP CARD

The default IP addressing method for the NetAgent SNMP Card is DHCP. It is important when using DHCP that there is a router or switch that has DHCP enabled between the NetAgent SNMP Card and your computer.

CD Description



Netility: Configure and Search NetAgent.

ClientMate: Shutdown OS Software.

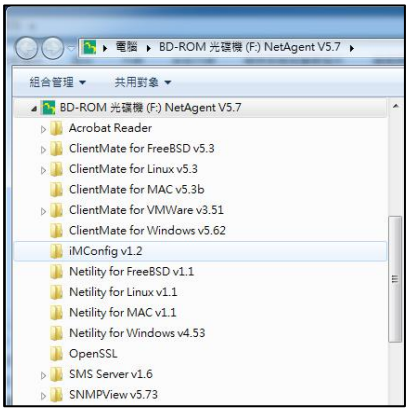
SMS Server: SMS notification Software

SNMPView: Multi-monitoring Software

Time Server: Time-server software

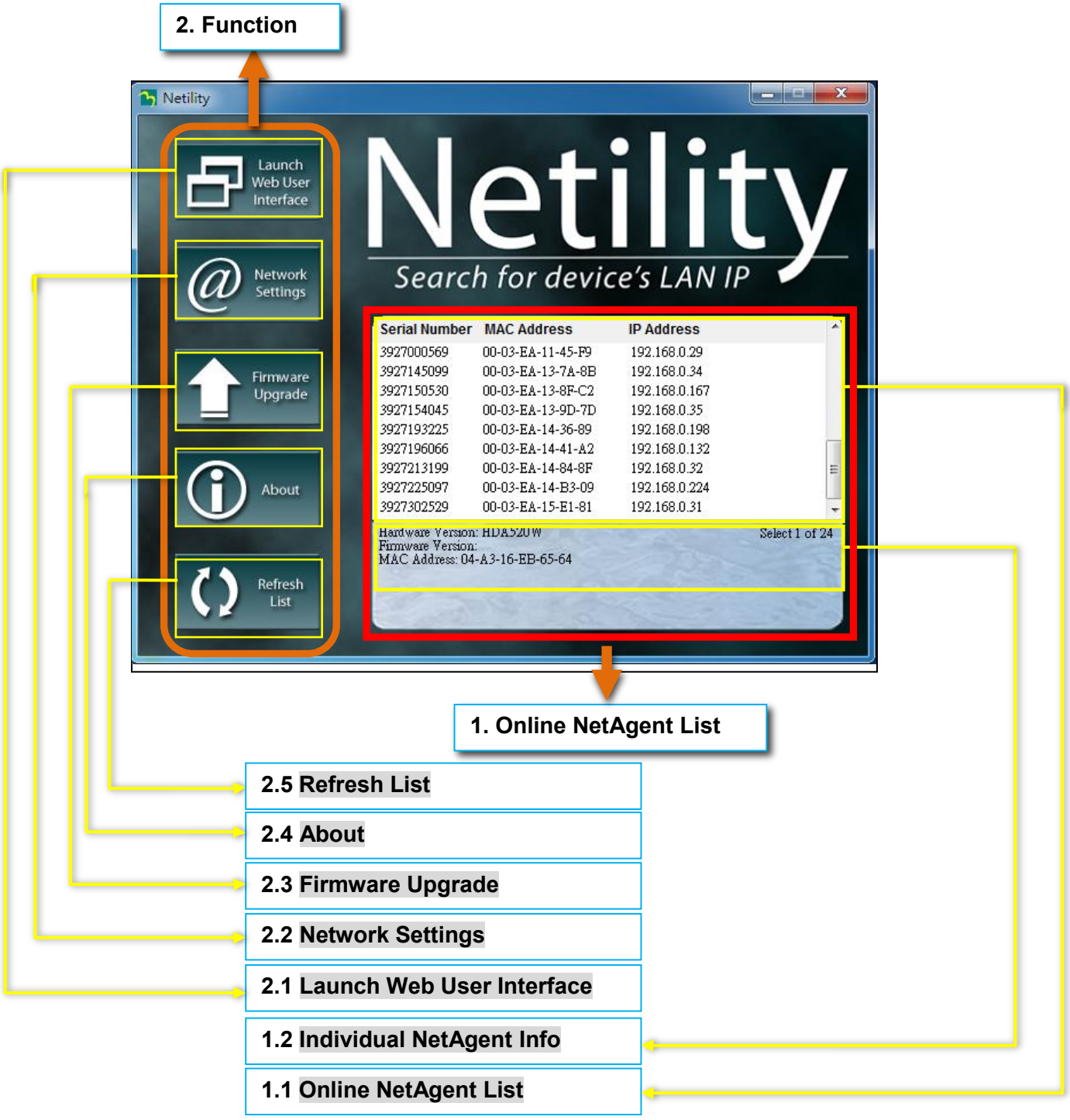
iMConfig: Multi-configuration Software.

NetAgent Utility CD offers several, management and shutdown software programs. Insert the CD into CD-ROM and select the software to install. If the PC does not execute the CD program automatically, please select the program from the CD.

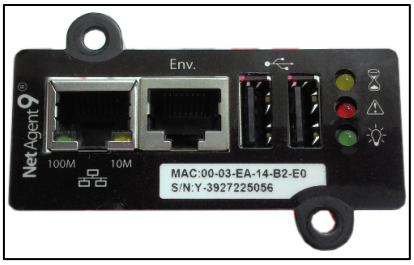


3. Netility Installation & Operation

Netility is a software program that helps the user to search for all the available NetAgent SNMP cards on its network. Configure individual IP addresses and upgrade firmware.
The Netility main page has two sections, a functional selection, and the Online NetAgent List.



NOTE:
Each NetAgent has its unique serial number / MAC address and Password shown on the label of each card. This label will help to identify the card information on Netility.



NetAgent Listings

When you start up Netility, it automatically searches all the available online NetAgent cards within its network, listing its serial number, IP address, MAC address. (The list refreshes automatically every 2 minutes)

Double clicking on the specific NetAgent card takes you to the card's webpage.

Individual Card Information

Single clicking on a specific NetAgent card, displays the cards hardware version, firmware version and MAC address at the bottom of the page.
Select a specific NetAgent from the list and click on Launch Web User Interface to log in to the NetAgent's webpage.

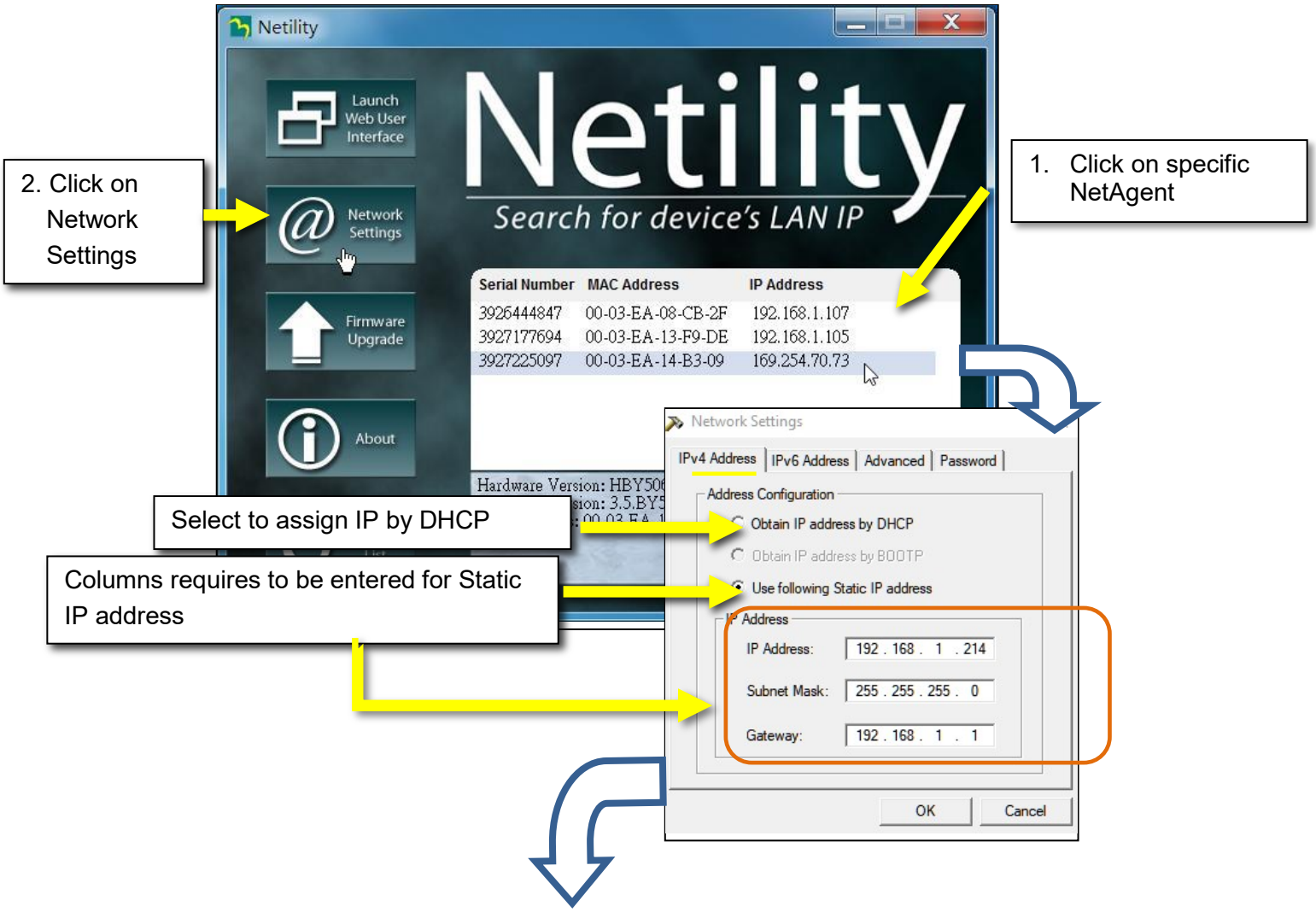
Network Settings

When selected to obtain an IP address by DHCP or BOOTP, the IP address and other network parameters are assigned by the network router.

NetAgent offers 4 network protocols - HTTP / HTTPS / TELNET / SSH for management with security consideration. If any change on port number, it requires you to enter the full IP address with the port number to log in.

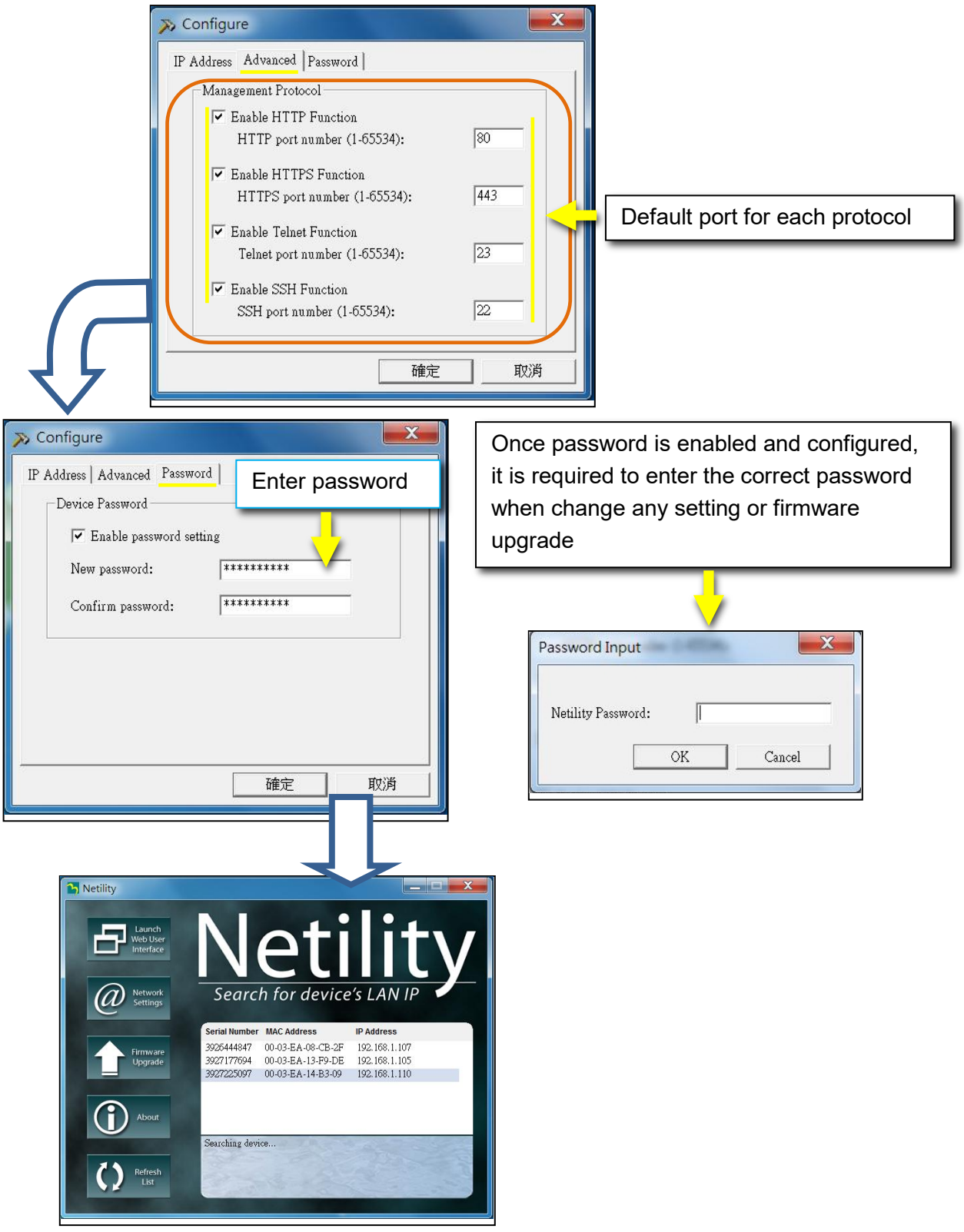
Example: HTTP port number change to 81
The full address to be entered in a browser would be "http://X.X.X.X:81" (X.X.X.X is the IP address of the NetAgent)

Example: Telnet port number change to 24
The full address to be entered on HyperTerminal would be "http://X.X.X.X 24" (X.X.X.X is the IP address of the NetAgent)



IMPORTANT NOTE ABOUT CONNECTING TO THE NETAGENT SNMP CARD

The default IP addressing method for the NetAgent SNMP Card is DHCP. It is important when using DHCP that there is a router or switch that has DHCP enabled between the NetAgent SNMP Card and your computer.


Configure
IP Address
Advanced
Password
Management Protocol
Enable HTTP Function
HTTP port number (1-65534):
80
Enable HTTPS Function
HTTPS port number (1-65534):
443
Enable Telnet Function
Telnet port number (1-65534):
23
Enable SSH Function
SSH port number (1-65534):
22
確定
取消
Default port for each protocol
Configure
IP Address
Advanced
Password
Enter password
Device Password
Enable password setting
New password:
****
Confirm password:
****
確定
取消
Once password is enabled and configured, it is required to enter the correct password when change any setting or firmware upgrade
Password Input
Netility Password:
OK
Cancel
Netility
Launch Web User Interface
Network Settings
Firmware Upgrade
About
Refresh List
Netility
Search for device's LAN IP
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
192.168.1.110
Searching device...

IMPORTANT TO READ!

The firmware available for download from the MegaTec web site is not 100% compatible with our products. Our products use a custom (OEM) firmware version developed by MegaTec specifically for our products.

Firmware Upgrading

There are two methods for updating the firmware on your NetAgent 9 card, the Netility software program explained below and using the built-In firmware updater located under the Help Tab/About/Firmware Updating Settings explained on page 44.

This section explains using Netility to upgrade or re-load the firmware to the NetAgent 9 card. Using Netility requires having a BIN file. Be sure to check that the NetAgent model, hardware version for the correct firmware version (.bin) before upgrading the NetAgent firmware. You can contact us directly at support@marathon-power.com for the latest version of the firmware for your SNMP card.

Using the list of NetAgent cards shown in Netility, click on the specific NetAgent card you want to upgrade. Then click on “Firmware Upgrade” on the left-side of the screen. A pop-up will ask to search to the correct Bin file stored on your computer. Click on the file. After the file has loaded, click on “Download”. **WARNING:** While upgrading, red and yellow LEDs flash. DO NOT remove any power or cable to the NetAgent. After upgrading, the NetAgent reboots automatically.

When you see text that the upgrade was successful, click on “Cancel” If a failure occurs during firmware upgrading, click on “Abort”. **Be sure that the firmware model number and the card’s model number match before trying again.**

Holding the CTRL key when selecting NetAgent 9 card from the list, will allow you to upgrade multiple cards once. **Be sure that the firmware model number and the card’s model number match.**

About

Here shows the current Netility version.

Refresh List

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

4. NetAgent Operation

NetAgent Login Procedure

1. Connect NetAgent to modem / router
2. Install Netility under same network
3. NetAgent searches all available NetAgent within same network
4. Configure IP address of NetAgent (1) DHCP IP (Default) (2) Static IP
5. Enter IP address of the NetAgent on browser.

   Double click NetAgent from Netility.

   Login via HyperTerminal.
6. Select the compatible protocol under UPS Configuration webpage of NetAgent
7. Enter other network parameters on this webpage

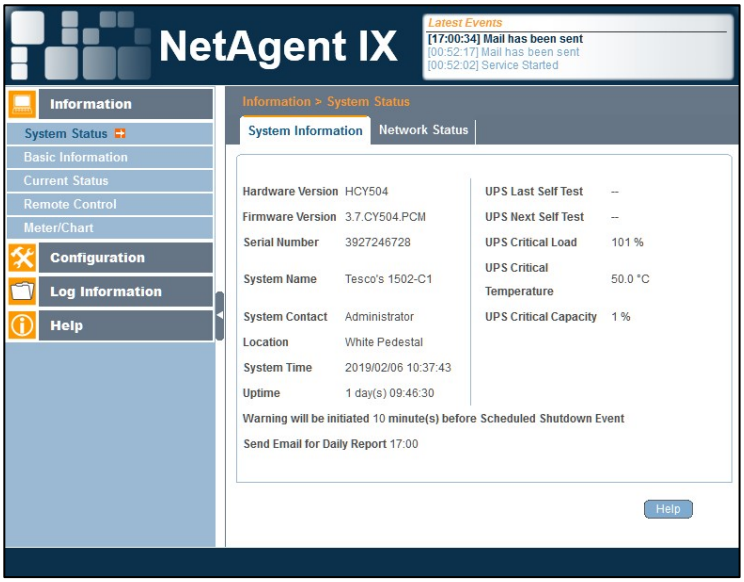
IMPORTANT NOTE ABOUT CONNECTING TO THE NETAGENT SNMP CARD

The default IP addressing method for the NetAgent SNMP Card is DHCP. It is important when using DHCP that there is a router or switch that has DHCP enabled between the NetAgent SNMP Card and your computer.

Web Interface Structure

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 NetAgent
Serial Port Debug
Help
About

Information Tab



System Status

System Information

This shows all the necessary information about the NetAgent card such as hardware/firmware version; Serial Number; Uptime…etc.

Network Status

This shows the network information and configuration.

Basic Information

UPS information

Battery Information

Rating Information

Current Status

This page shows the current UPS Input / Output and Battery Status. Status refresh time can is configurable. When an abnormal condition occurs, it shows in red

Input Status

Output Status

Battery Status

Event / Time (Only Available on the CY54-04 Model)

EVT/TIMER		
INV Event	00019	The numbers of Input Power Failures
INV Timer	0000 Hours 07 Minutes	The total discharge time that the battery since the last RESET
BUCK Event	00000	The numbers of BUCK function active
BUCK Timer	0000 Hours 00 Minutes	Total time that the BUCK function since the last RESET
BOOST Event	00000	The numbers of BOOST function active
BOOST Timer	0000 Hours 00 Minutes	Total time that the BOOST function since the last RESET

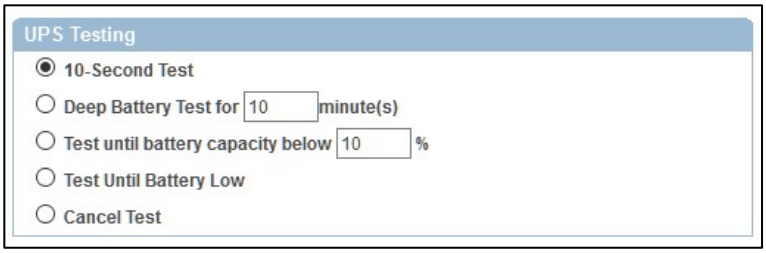
Summary (Only Available on the CY54-04 Model)

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

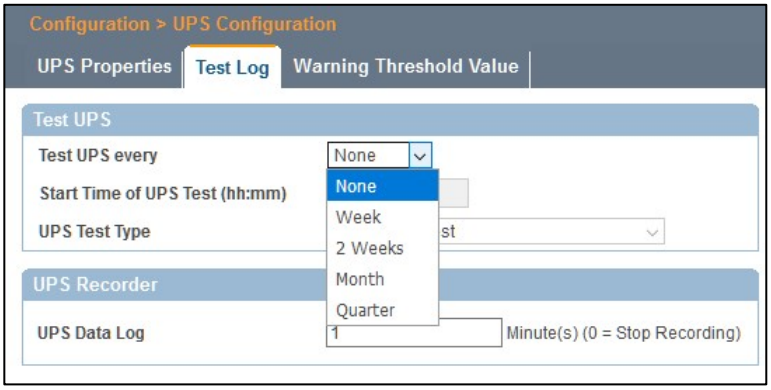
Remote Control

Here, the user can perform several tests on the UPS or Batteries remotely.
Once the option is selected, clicking Apply executes it.

UPS Testing



Additional Tests are available under the Configuration Tab / UPS Configuration / Test Log



Miscellaneous

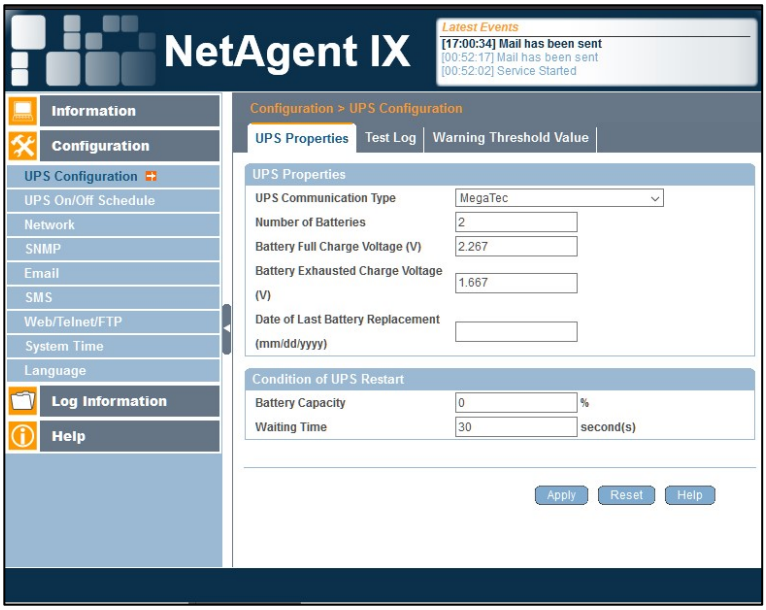
Contact Configuration (Only Available on the CY54-04 Model)

This section is used to change the alarm assigned to individual Dry Contacts.

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

Shows UPS Input, Output, Temperature, and Frequency in graphic or chart. Java is required.

Configuration Tab



UPS Configuration

UPS Properties

Do Not change any of these settings. The standard MegaTec firmware was customized to work with our UPSs using these settings. Changing these settings will alter the functionality of the card. Except for entering the “Date of Last Battery replacement(mm/dd/yyyy)”

Number of Batteries (Only Available on the CY54-03 Model)

3 is the default setting; Do not change this setting.
Battery Full Charge Voltage (V) (Only Available on the CY54-03 Model) 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.

UPS Communication Type (Keep as PB2000 - Only on the CY54-04 Model)

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

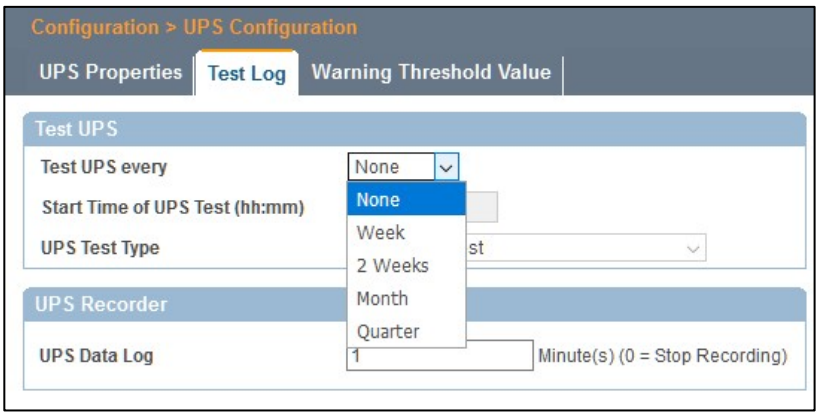
Condition of UPS Restart

ID Name (Only Available on the CY54-04 Model)

Attached Device (Only Available on the CY54-04 Model)

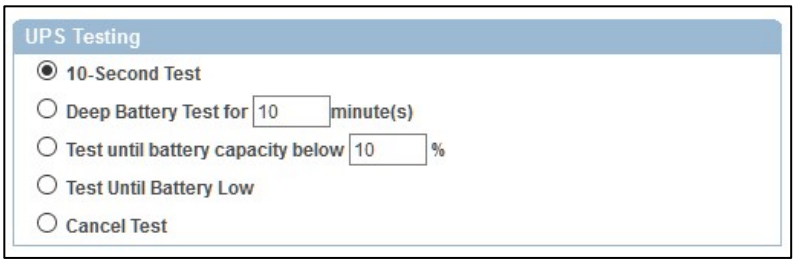
Test Log

Here, the user can perform several tests on the UPS and the batteries remotely. Once the option is selected, clicking Apply executes it.



Test UPS Every (Only Available on the CY54-03 Model)

Week /2 Weeks/ Month / Quarter UPS can be selected
Additional Tests are available under the Information Tab / Remote Control



Start Time of UPS Test (hh:mm) (Only Available on the CY54-03 Model)

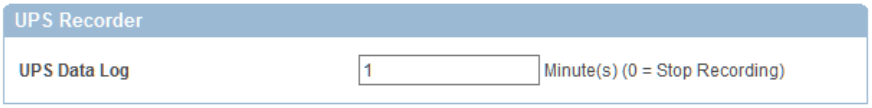
To enter the time to begin the test

UPS Test Type (Only Available on the CY54-03 Model)

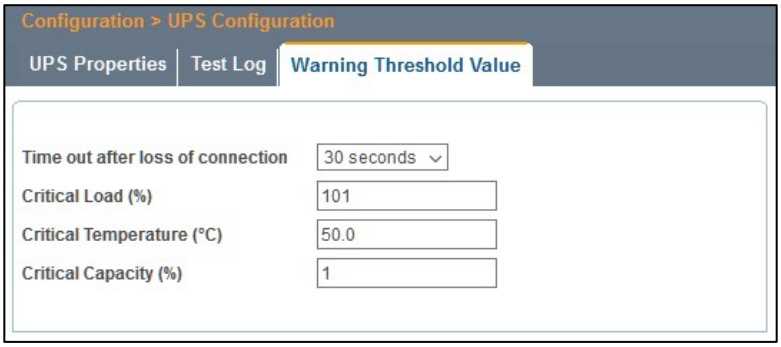
Test option can be select from the drop-down list

UPS Data Log

To adjust how often the SNMP card retrieves new data from the UPS.



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



Time out after the loss of connection

If the NetAgent and UPS loss communication, the NetAgent sends a warning alarm at this configured time

Critical Load (%)

When loading reaches this % configured, the NetAgent sends a warning alarm

UPS Temperature (℃)

When the UPS temperature reaches this degree configured, the NetAgent sends a warning alarm

Critical Capacity (%)

When UPS battery capacity reaches this % configured, NetAgent sends a warning alarm

Maintenance (Only Available on the CY54-04 Model)

Line qualify Options

Battery Charging Temperature Compensation

Battery Low Voltage Warning

External Fan on/off Temperature

Battery Test Options

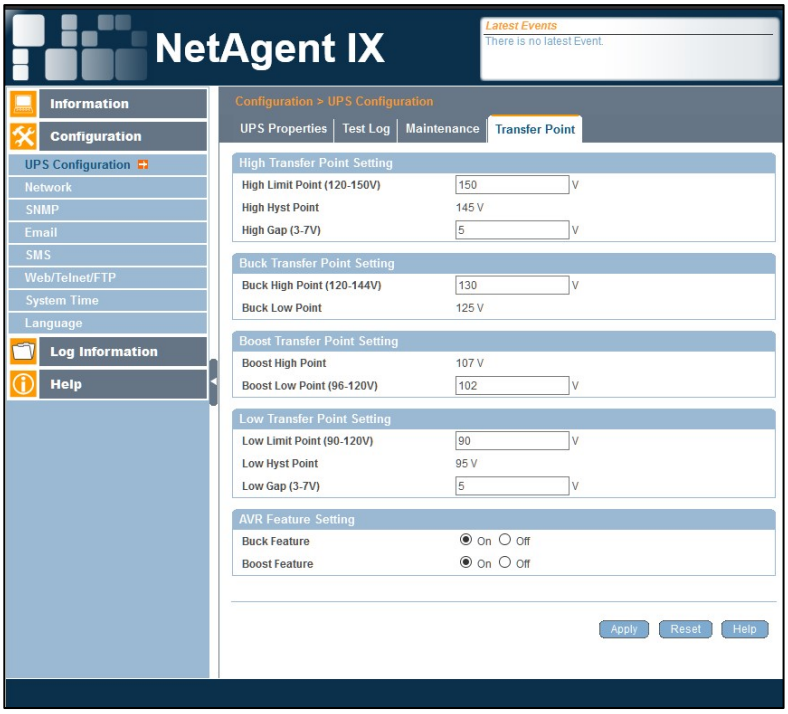
Inverter On/Off

This setting turns the output of the UPS On or Off.

Reset the Event/Timer Counters

Change Password

<u>Transfer Points</u> (Only Available on the CY54-04 Model)



This option allows the user to change various detection and warning levels for input AC voltages, qualified and unqualified values, Transfer & Retransfer set points for going in & out of Battery mode / Boost / Buck modes. The factory set default values concur with those specified by DOTs (Department of Transportations).

Electrical equipment is designed to operate at maximum efficiency at a specific standard supply voltage. Buck and boost is an ideal solution when the line voltage is consistently higher or lower than nominal. The transformer can buck (lower) or boost (raise) the supply voltage without having to go onto battery or involve any other active TRTC-2004-N1 board level components.

The TRTC-2004-N1 input transformer has a second tap off the primary winding. When enabled the transformer automatically switches to the secondary tap to buck or boost the voltage output 10%, thereby keeping the output within an acceptable range.

Transfer Point Descriptions

All levels are user programmable; some values are interdependent.

Slow Detect High Lmt

When input voltage exceeds this level, TRTC-2004-N1 transfers to Battery Mode from either Buck Mode (when enabled) or Line mode.

Slow Detect High Hyst

When input voltage returns below this level, TRTC-2004-N1 transfers back to Line Mode from Battery Mode.

Slow Detect Buck High

When input voltage exceeds this level, TRTC-2004-N1 transfers to Buck Mode (when enabled this reduces the output.

Slow Detect Buck Low

When input voltage returns below this level, TRTC-2004-N1 releases the Buck Mode (when enabled) and transfers back to Line Mode.

Slow Detect Boost High

When input voltage returns above this level, TRTC-2004-N1 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-2004-N1 transfers to Boost Mode (when enabled) increasing the output.

Slow Detect Low Hyst

When input voltage returns above this level, TRTC-2004-N1 transfers back to the Line Mode from Battery Mode.

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

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

We do not recommend scheduling the UPS to turn On or Off. Doing so may result in the loss of functionality of the UPS.

UPS Action

When the selected event occurs at the configured time range, the UPS shuts down after the configured time.

Weekly Schedule

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

Date Schedule

This section is to set the time to turn on/off the UPS on a particular day(s).
(e.g., holidays.) The settings here override the settings in Weekly Schedule.
“Warming will be initiated (configurable) before a Schedule shutdown event.”
The NetAgent sends a warning message before a scheduled shutdown. This section sets the delay period before the scheduled shutdown starts.

Wake On Lan

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

Network

IPv4

How the IP address is obtained is selected by a drop-down list with the options of manually, using DHCP, or BOOTP. If the IP address and DNS were configured using Netility, then the information is visible here.

IPv6

All NetAgent 9 series supports IPv6. How the IP address is obtained by is selected by a drop-down list with the options of (Automatic Stateless DHCPV6／DHCPV6／Manual). Clicking Apply reboots the NetAgent.

Ethernet

Connection Type
This section is to set communication speed between NetAgent and Network.
Clicking Apply reboots the NetAgent.

Stop UPS communication when Ethernet disconnected
This is to set if you want to stop UPS communication when NetAgent disconnects with

Ethernet

Dynamic DNS

This is a service that allows the user to alias a dynamic IP address to a static hostname. Be sure that the account and password are registered with the DDNS service provider.

Service Provider

Dynamic DNS providers can be select from the list

Domain Name

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

Login Name

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

Login Password

Enter the Password you have assigned to your DDNS Account. Use an external STUN server to get Public IP to register
Use an external STUN server to get Public IP to register
Choose Yes to ensure that NetAgent uses the WAN / Public IP to update the selected DDNS server

PPPoE

Use this option to allow NetAgent 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 NetAgent will connect directly to your LAN, any abnormal connection failure will cause a re-dial

SNMP

This page is to set the NetAgent SNMP settings so that it can be used by an NMS (Network Management System). (SNMPView, is available on the NetAgent Utility CD.)

General

MIB System

System Name

System Contact

System Location

SNMP UDP Port

The port that NetAgent receives and send SNMP command. (Default is 161)
Trap Receive Port. The port to receive a trap. (Default is 162)

SNMPv3 Engine ID

SNMPv3 Engine ID Format Type

When using SNMPv3,NetAgent requires to have its Engine ID for identification to generates authentication and encryption key. Format type can be select from the drop-down list with the options of MAC Address / IPv4 / IPv6 / Manual. Clicking on Apply reboots the NetAgent card.

SNMPv3 Engine ID Text

SNMPv3 Engine ID content

Access Control

Manager IP Address

This is to sets the IP address that an administrator can use to manage NetAgent. It is valid for up to 8 IP addresses. To manage NetAgent from any IP address, enter *.*.*. * into Manager IP address.

Version

This is to select between SNMPv1& SNMPv2 or SNMPv3 (SNMPv3 only applies to NetAgent 9 series) When selecting All and V3, user name, password, authentication, and privacy are required.

Community

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

Permission

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

Trap Notification

Destination IP Address

To set receivers IP address for receiving traps sent by NetAgent. It is valid for up to 8 IP Addresses.

Accept

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

Community

Trap receiver and NetAgent must be the same community. (Default is public)

Trap Type

Select from PPC MIB or RFC1628 MIB (Default is PPC)
MIB file is available by contacting Marathon Power at support@marathon-power.com

Severity

This section is to set Trap level for each receiver.
There are three levels,
1. Information: To receive all the traps.
2. Warning: To receive only “warning” and “severe” traps.
3. Severe: To receive only “severe” traps. (Please refer to NMS manual for Trap levels.)

Description

This is to make a note for an administrator’s reference

Events

This is to select events for NetAgent to send traps. Click on Select to show the full Events List. Click on Test to send a test trap to ensure all setting is correct.

Send Power Restore and Adaptor Restore Traps for X time(s) in X second(s) Interval.

This is to set the number of times per second traps are sent when the power is restored. This is to check if the communication between trap receiver and NetAgent remains well or not after power recovery.

SNMP Inform Request

This is to set the number of times that the NetAgent can request a response from the sending Inform host with a preset value. (Default is 3 times and an interval of 5 seconds)

Service Connected

This section is to set the usage power and connection status of other devices which connects to the same UPS as NetAgent uses.

Device Connected

Email

To send an email notification when an event occurs or data log

Email Setting

Email Server

Enter the address of the email server

Email Port

Email Port that it uses for sending email

Enable SSL on Email Transmission

Select SSL type for email transmission
Type of encryption that the NetAgent model supports

Sender's Email Address

To enter the email address that for sending email

Email Server Requires Authentication

If such as an email server requires authentication or not

Account name

If authentication is required, enter its account name

Password

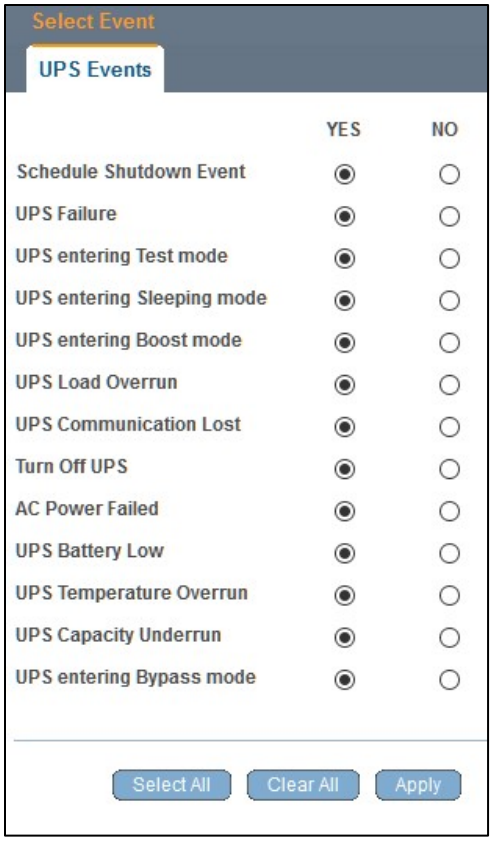
If authentication is required, enter its password

Sending Test Mail

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

Email for Event Log

To set the email addresses of who will receive an event email sent by NetAgent when a selected event occurs. It is valid for up to 8 Email addresses.



Email for Daily Report

This section is to set the recipients of the NetAgent's Daily Report. The report is sent at a pre-set time. It is valid for up to 4 Email addresses. The Daily report with content of event and data log. With NetAgent series, the option is available if to send an email when an event or data log overflows to 500 logs.

SMS

When a UPS event occurs, this allows an SMS to be sent using a GSM/GPRS/CDMA Modem. Operation information is as below for single port NetAgent.

SMS Setting

SMS Server

When a modem is connected to a PC with SMS Server software installed
(Refer to SMS Server section for SMS Server Software installation)
Enter the IP address of the SMS Server. (The PC that installed SMS Server Software)

SMS Port

Enter the port number that SMS Server uses for sending SMS. (Port 80 is default)

Account Name

Enter SMS Server's account name if required

Password

Enter SMS Server's password if required

Sending test SMS

When modem and configuration are ready, enter a mobile number to receive a test SMS message.

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 assign.

Web/Telnet/FTP

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

User account

User Name

To set a password for NetAgent Web and Telnet access.

Password

To set a password for NetAgent Web and Telnet access.

Permission

To set No Access / Read/ Read/Write)
Permission Rule At least one user account must be Read/Write
Permission Rule: User name with Read and Write cannot be blank

IP Filter

The only specific IP address could log in to NetAgent means any IP address

Auto Log Off

NetAgent webpage logs off automatically if it idle for the preset value. *Auto Logoff after Idle for X minutes. (0 is disabled)*

FTP Server

SSL Information

NetAgent supports HTTPS protocol and varies SSL encryptions version for network connection. The user may upload its Public Key and Certification for authentication.

Below are the SSL versions that NetAgent supports
HTTPS Protocols
Select the encryption version
SSL v2
SSL v3
SSL v1.0
SSL v1.1
SSL v1.2

Clicking Apply reboots the NetAgent card.

SSL Information

This is to upload the SSL certificate. When both public key and certificate are uploaded to NetAgent web server, the communication is encrypted by SSL
(To communicate via Https, make sure to enable Https port 443.). To create its public key and certification, please refer to OpenSSL software in the CD

RADIUS Server Settings

If RADIUS server authentication is required for the network, add the NetAgent by entering the following parameters.

Enable RADIUS in Web/Telnet Login

To select if to enable RADIUS

RADIUS Server Address

To enter the IP address of the RADIUS Server

Authentication Port

RADIUS port number (Default is 812)

Shared Key

Enter the Shared Key between RADIUS Server and client

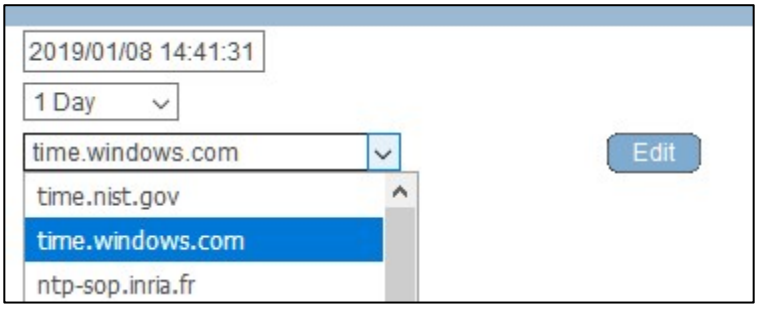
Connection Timeout

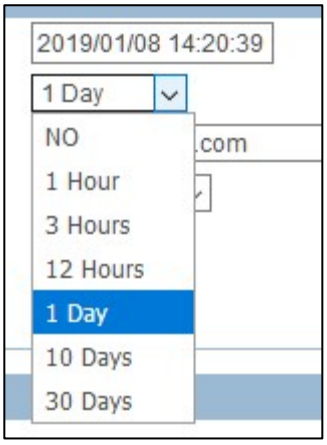
Set the number of seconds to suspend the login time after the RADIUS server is rejected

Connection Retry

Sets the number of connections to the RADIUS server again

System Time





This page is to set NetAgent's system time. NetAgent could synchronize with external or internal Time Server.

System Time

System Time (yyyy/mm/dd hh:mm:ss)
To display the current system time/date of the NetAgent, click on Adjust Now to adjust to the correct time/date automatically

Time Between Automatic Updates

To set an interval for time synchronization.

Time Server

The Timeserver can be select from the drop-down list or by adding it manually.
Recommended: Timw.Windows.com or Time.NIST.gov

Time Zone (Relative to GMT)

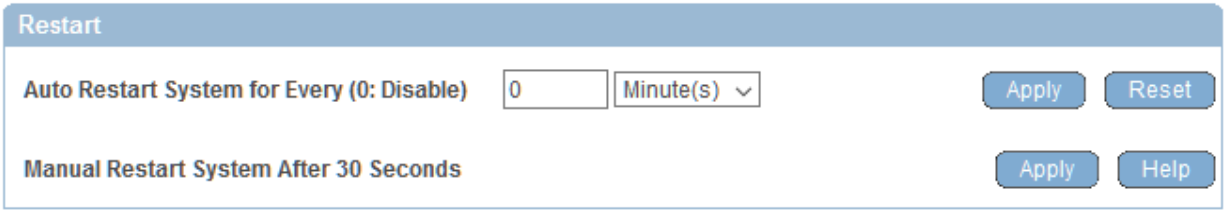
To select its GMT zone

Using Daylight Saving Time

Select whether to use the daylight-saving time system to adjust the clock for 1 hour.

Rebooting the NetAgent 9 Card

Restart



This reboots the SNMP card ONLY; Not the UPS.

Auto Restart System for Every (0 is disabled)

NetAgent to restart automatically at a preset hour or minute

Manual Restart System After 30 seconds

Once click on Apply, NetAgent would restart after 30 seconds

Language

This page is to set the language interface for the NetAgent.

Interface Language

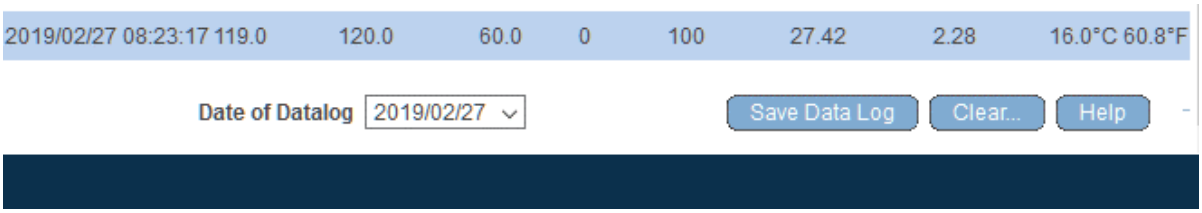
To set the language of NetAgent web pages. When first start login to the webpage of NetAgent, NetAgent will auto detects the OS language of the PC and shows the same language on its web pages. Users may choose the language per preference
Note: Users have to enable cookies before they use this function.

Email Preference

Select a language preference the NetAgent's emails and SMS messages
Languages supported by NetAgent

Log Information Tab

If no events or data are listed, you may need to adjust the Date of Event 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 reaching to the limit, it rewrites on the previous logs. The log can be saved as a csv file.

Data Log

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

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

To record the UPS Self-Test and it shows in the graphic. UPS Self-Test option is available under System Information > Remote Control

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

Help Tab

Search NetAgent

This is to display all the NetAgent cards within the network with the card's serial number; Mac Address; Hardware/Firmware version and its IP address. Double click on the highlighted unit to open the webpage of such device.

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

This opens another browser tab showing a NetAgent 9 card's web interface with descriptions and explanations for each item, to illustrate each feature/option that the NetAgent offers.
About
It shows NetAgent's hardware/firmware and serial number.
About

Create a Master Configuration when installing multiple NetAgent 9 cards

Create a Master configuration by saving this configuration as a master; then by "Restoring" this configuration on another SNMP card, and changing identifiers unique for the new UPS, the card is ready to connect to your network.

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. Administrator permission is required.

Restore the previous configuration

Use this function to restore a *.cfg configuration that previously saved. Click Browse, to the location of the file and click Restore.

Reset to factory default

This function resets all NetAgent settings to their default values, **including changing the Network configuration to DHCP.**

Firmware Update Settings See Section 5. Firmware Updating

5. Firmware Upgrading

IMPORTANT TO READ!

The firmware available for download from the MegaTec web site is not 100% compatible with our products. Our products use a custom (OEM) firmware version developed by MegaTec specifically for our products.

Firmware Upgrading

There are two methods for updating the firmware on your NetAgent 9 card, using the built-In firmware updater located under the Help Tab/About/Firmware Updating Settings explained below or using the Netility software program explained below and on page 19.

Using the Built-In updater, it is very important that you use the correct ftp, username and password.
For the SNMP-CY54**-03** SNMP card, the user name and password must be **netagpcm**
For the SNMP-CY54**-04** SNMP card, the user name and password must be **netagpb**

If you see that the user name and password is **netagent9 you must change them.**

To change the user name and password follow these steps.

1. Clear the ftp server name ftp.icv99.com

2. Enter the correct user name and password.

For the SNMP-CY54-**03** SNMP card, change the user name and password to **netagpcm**

For the SNMP-CY54-**04** SNMP card, change the user name and password to **netagpb**

3. Retype the same ftp server name ftp.icv99.com, that you cleared in step 1.

4. Click on Update Now and follow the prompts.

6. Lost Password

Please follow the steps below

1. Using a PC on the same network as NetAgent 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 NetAgent)

3. Enter

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

4. Press continue and clear

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

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