

SNMP Web Management

User's Manual

• SNMP Web Card LA-SNMP

● SNMP Web Box LA-SNMP-EXT

Management Software for Uninterruptible Power Supply Systems

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1. Overview

1.1 Introduction

This SNMP Web card can provide web server to monitor and manage multiple UPSs in a networked environment including LAN and INTERNET. It can detect temperature and humidity for the environment via connecting to EMD (Environmental Monitoring Device).

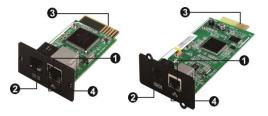
Integrated with Shutdown Wizard, it can not only prevent data loss from power outage and safely shutdown systems, but also store programming data and scheduled shut down the UPS. All UPS warning and fault event records can be kept in SNMP web card.

Integrated with ViewPower Pro software, it can monitor and remote access all distributed SNMP web card in a LAN or INTERNET. For the detailed operations, please check user manual of ViewPower Pro.

1.2 Features

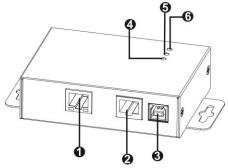
- > Open monitor via Web Browser.
- > Offer SNMP MIB to monitor UPS status.
- > Automatically detect and exchange 10M/100M Fast Ethernet.
- > Support wake-on-LAN function.
- Supported protocol such as TCP/IP, UDP, SNMP, SMTP, SNTP, HTTP and so on.
- Integrated with Shutdown Wizard, it can prevent data loss from power outage and safely shut down systems.
- Support to record and export event log, including UPS warnings, faults and EMD warnings.
- > Support to record and export data log.
- > Support daily reports for event log and data log.
- Scheduled UPS on/off and battery test.

1.3 Overlook



Ethernet port (10/100Base-T)
Sensor port
Golden finger: connects to UPS slot
Ethernet port status LEDs

SNMP I SNMP II (Only for 3-phase online UPS)



Ethernet port(10/100Base-T)
RS-232 port
5Vdc DC input
Data receiving indicator
Data transmission indicator
Power indicator

Ethernet port status LEDs:

100M LED (Green)	Flash Port is operating at 100Mbit/s			
	Off	Card is not connected to the network		
10M LED (Yellow)	Flash	Port is operating at 10Mbit/s		
	Off	Card is not connected to the network		

1.4 Installation and Connection

Installation

If using SNMP card, please follow below steps to install SNMP card first: **Step 1:** Remove the cover of intelligent slot on the back panel of UPS and retain the screws

Step 2: Slide the card into the open slot and secure with the screws from step 1. (see chart 1-1)



Chart 1-1

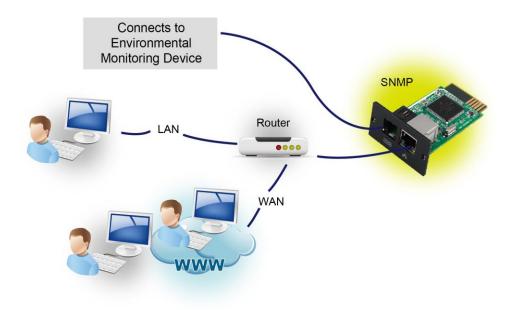
Refer to chart 1-2 for connecting the SNMP web card and chart 1-3 for connecting SNMP box.

If using SNMP card:

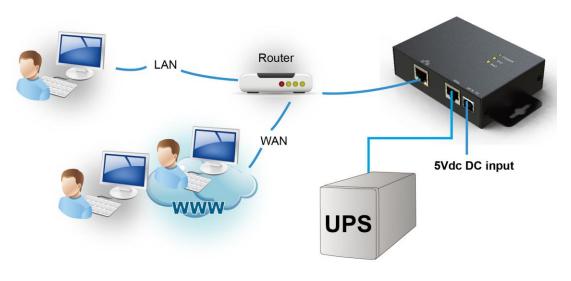
Plug Ethernet cable to the Ethernet port (RJ-45) on the SNMP card. Use one more Ethernet cable. Connect one end to the sensor port on the SNMP card and the other end to the optional environmental monitoring device.

If using SNMP box:

Use one Ethernet cable to connect to Ethernet port (①) of the box. Use one RJ45 cable to connect to RS-232 port (②) of the box and RS-232 port of the UPS. Then, use bundled USB cable to connect to USB port (③) of the box and 5V DC USB power source.









1.5 Configuration

a) Please install SNMP web manager wizard in your PC. After software is installed successfully, the Installer will leave a shortcut icon on your desktop.



b) Enter specific IP address to search all SNMP devices in LAN. (The

SNMP web manager will automatically collect the IP address from sever by default via a DHCP server. It will apply default IP address of 192.168.102.230, default subnet mask as 255.255.255.0, and default gateway as 0.0.0.0 without a DHCP server.

IP address	MAC address	Basic Info IP settings Online upgrade System manager Static trap address	
.168.107.79	00-00-5E-00-10-23		
		IP address 192.168.107.79	
		MAC address 00-00-5E-00-10-23	
SNMP status: 1	SNMP reset enable Reset		
Use system time: 08/	17/2012 16:42:01 Apply		
100.100.107		Output window	
192.168.107	Scan	[16:42:00] 192.168.107.79 Online successfully.	
	Add	(10.42.00) Taz.100.107.78 Onine successiony.	
	Del		

Chart 1-5

c) User can modify IP setting, online upgrade, password management, and static trap address setting in SNMP Web Manager interface. It is necessary to enter password for any medications. The default password is 12345678.

Please check SNMP Web Manager User Manual for detailed configuration.

1.6 Monitoring

There are two ways to monitor:

- a) Double click the selected device from the device list (refer to Chart
- 1-5) to open web page as Chart 1-6.

🕞 🗢 🙋 http://192.168.107.109/			💌 🗟 😽 🗙 🦓 i	live Search	P
le Edit View Favorites Tools Help					
Favorites 🏾 🏉 SNMP Web Server			🙆 • 🔊 •	🖃 🖶 🔹 Page 🗸	Safety + Tools + 🔞 + 🤅
NMP Web Server 2.0			Sta	atus Logout	Administrator
Information	UPS information				
Status	UPS mode: Li	ne Mode	UPS temp.:	39.6 °C	
Basic information	Auto reboot: tr		Converter mode:		
UPS setting Parameters setting	ECO Mode: fa	lse	Bypass when UPS is off:	false	
Control	Bypass not allowed: fa	lse	Fault type:		
Real-time control	UPS warning:				
System configuration					
Web	Input information				
E-mail	Input voltage: 2	13.7 V	Input frequency:	50.0 Hz	
SMS Wake on LAN			an a		
Shutdown	Output information				
Event action	Output voltage: 2	29.8 V	Output frequency:	49.9 Hz	
Scheduled System time	Output current: 0.	2 A	Load level:	4 %	
SNMP configuration					
Log	Battery information				
Event log	Battery voltage: 4	1.0 V	Battery capacity:	100 %	
Data log Help	Remaining backup time: 9	99 Min			
Serial Port Debug					
Senar Fort Debug	EMD information				
	EMD temp.: 2	5.1 °C	Humidity:	63.7 %	
			,		

Chart 1-6

b) Installed ViewPower Pro software to monitor SNMP web card. Refer to Chart 1-7.

Please check ViewPower Pro User Manual for detailed monitoring.

Configuration Schedule View Format Language H	elp User type:	: Guest Login
🖷 🌇 🥹 👔 🕤		Graphic view List view
Unassigned		
(192.168.103.166_SNMPP01_0000000000000)	null(192.168.103.165_SNMPP01_0000000000000000000000000000000000	null(192.168.103.164_SNMPP02_0000000000000000000000000000000000
UPS information: Input information: 238.3V/50.0Hz Output information: 229.8V/50.0Hz Battery information: 41.0V/100%	Disconnected 💿	Disconnected 📀
null(192.168.103.163_SNMPP01_0000000000003)	null(192.168.103.162_SNMPP00_000000000000000000000000000000000	null(192.168.103.161_SNMPP03_0000000000005)
Disconnected 📀	Disconnected 📀	Disconnected 📀

Chart 1-7

2. SNMP web card GUI

SNMP web card GUI includes function menu, login section and main screen. Refer to Chart 2-1:

🖉 SNMP Web Server - Windows Internet E	xplorer		
🚱 🕞 🗢 🙋 http://192.168.107.109/		🔽 🗟 😽 🗙 🦧 Live Search	•
File Edit View Favorites Tools Help			
🔶 Favorites 🏾 🏉 SNMP Web Server		🚵 🔹 🔝 🐇 🖃 🖶 🔹 Page 🖌 Safet	y 🕶 Tools 🕶 🔞 🕶 🐴
SNMP Web Server 2.0	А	Status	histrator
Information C Basic information UPS setting Parameters setting Control Real-time control System configuration Web E-mail SMS Wake on LAN Shutdown Event action Scheduled System time SNMP configuration Log Event action Scheduled System time SNMP configuration Log Event log Data log Help Serial Port Debug	UPS information UPS mode: Line Mode Auto reboot: true ECO Mode: false Bypass not allowed: false UPS warning: UPS warning: Input information Input voltage: Output information 0.2 A Battery information 0.2 A Battery information Battery voltage: Battery information 999 Min EMD information EMD temp.: 26.1 °C 10 °C	UPS temp.: 39.6 °C Converter mode: false Bypass when UPS is off: false Fault type: Input frequency: 50.0 Hz Output frequency: 49.9 Hz Load level: 4 % Battery capacity: 100 %	
javascript:;		🐼 😌 Internet 🗸	🚡 🔹 🔍 100% 🔹 📑

Chart 2-1

- A .SNMP web card GUI version
- B .Function Menu

It offers complete tool-set for navigation and setting the GUI.

C .Main Screen

It will display information and/or control alternatives according to function menu selected.

D. Login section

It shows user type for current login user. The default password for administrator is "12345678".

3. Function Menu

3.1 Information

3.1.1. Status

Select Information >> Status. Refer to Chart 3-1. It's shown real-time monitored UPS data including input, output, UPS, battery information and environmental information in table format.

C SNMP Web Server - Windows Internet	Explorer				
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File Edit View Favorites Tools Help					
🚖 Favorites 🏾 🏉 SNMP Web Server			👌 🔹 🗟 🕆 🖻	🗄 🖶 🕶 Page 🕶	Safety + Tools + 🔞 + 🖄
SNMP Web Server 2.0			Statu	JS Logout	Administrator
Information					
Status	UPS information UPS mode:	Line Mode	UPS temp.: 3	9.6.90	
Basic information	Auto reboot:		Converter mode: fa		
UPS setting	ECO Mode:		Bypass when UPS is off: fa		
Parameters setting Control	Bypass not allowed:	false	Fault type:		
Real-time control	UPS warning:				
System configuration					
Web	Input information				
E-mail	Input voltage:	213.7 V	Input frequency: 5	0.0 Hz	
SMS Wake on LAN					
Shutdown	Output information				
Event action Scheduled	Output voltage:	229.8 V	Output frequency: 4	9.9 Hz	
System time	Output current:	0.2 A	Load level: 4	%	
SNMP configuration					
Log	Battery information				
Event log Data log	Battery voltage:		Battery capacity: 1	00 %	
Help	Remaining backup time:	999 Min			
Serial Port Debug					
Ŭ	EMD information				
	EMD temp.:	26.1 °C	Humidity: 6	3.7 %	
javascript:;			🗔 🌍 In	iternet	🖓 🔹 🔍 100% 🔹 🏢

Chart 3-1

3.1.2. Basic information

Select Information >> Basic information. It includes UPS basic information, battery information and UPS rated information. Refer to Chart 3-2.

SNMP Web Server - Windows Internet Ex	plorer		
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😭 Favorites 🏾 🌈 SNMP Web Server		🚵 🔻 🔝 🗹 🖃 🖶 🔻 Page 🕶 Saf	iety 🕶 Tools 🕶 🔞 🕶 🦓
SNMP Web Server 2.0		Basic information	Logout Administrator
Information	Basic information		
Status Basic information	UPS type: G1K	Input phase/Output phase: 1/1	
UPS setting	Input voltage/Output voltage: 230/230 V	UPS serial number: 12345678901234	
Parameters setting	UPS FW version: 00443.00	SNMP FW version: 9-00	
Control Real-time control System configuration	Battery information Battery group number: 3		
Web E-mail SMS Wake on LAN	UPS rated information		
Shutdown	Rated VA: 1000.0 VA Rated output frequency: 50.0 Hz	Rated output voltage: 230.0 V Rated output current: 4.0 A	_
Event action Scheduled	Rated butput requercy, 50.0 Hz Rated battery voltage: 36.0 V	Rated bulput current. 4.0 A	
System time SNMP configuration			
Log			
Event log Data log			
Help			
Serial Port Debug			
Done		🔯 😜 Internet	🖓 🔹 🔍 100% 🔹 💡

Chart 3-2

3.2 UPS setting

3.2.1 Parameters setting

Some UPS functions can be set and changed via software. Parameter setting includes backup time setting for programmable outlet (P1), battery number setting, voltage and frequency range setting for bypass mode and voltage range setting for ECO mode.

Select UPS setting >> Parameters setting. Refer to Chart 3-4.

SNMP Web Server - Windows In	iternet Explorer	
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File Edit View Favorites Tools	Help	
🚖 Favorites 🏾 🏉 SNMP Web Server		🚵 🔻 🔝 🝸 🚍 🕈 Page 🗸 Safety 🗸 Tools 🖉 🔞
SNMP Web Server 2.0		Parameters setting Logout Administrator
Information Status Basic information UPS setting Parameters setting Control Real-time control System configuration Web E-mail SMS Wake on LAN Shutdown Event action Scheduled System time SNMP configuration Log Event log Data log Help Serial Port Debug	Alarm control: O Enable O Disable Apply Alarm at bypass mode: O Enable O Disable Apply Alarm at battery mode: O Enable O Disable Apply Auto reboot: O Enable O Disable Apply Bypass when UPS is off: O Enable O Disable Apply Converter mode: O Enable O Disable Apply ECO mode: O Enable O Disable Apply ECO mode: O Enable O Disable Apply Backup time for P1(battery mode): O Min Apply Voltage and frequency range for bypass mode Maximum voltage 264 V Apply Minimum voltage 170 V Apply Maximum frequency: 53 Hz Apply Minimum frequency: 47 Hz Apply	Advanced ECO mode: Enable Disable Apply Green power function: Enable Disable Apply Cold start: Enable Disable Apply Bypass not allowed: Enable Oisable Apply Bytass not allowed: Enable Disable Apply Battery deep-discharge Enable Disable Apply Site fault detection: Enable Disable Apply P1 programmable outlet control: Enable Disable Apply Battery numbers setting Numbers in parallel: 3 Apply Voltage range for ECO mode Maximum voltage: 218 V Apply Minimum voltage: 218 V Apply
Done		👩 😜 Internet 🆓 🔹 🍕 100% 🔹

Chart 3-4

Note: Different UPSs may access different parameter setting.

- 1. Select the functions by clicking "Enable" or "Disable" button. Change the numbers by clicking up-down arrows or modify the numbers directly in the number column.
- 2. Click "Apply" button to save the settings. Each function setting is saved by clicking "Apply" button in each section.
- 3. Click "Default" button to recover the default setting.

Note: Any functions which are not supported by UPS will not be able to access.

- > Alarm Control: If enabled, UPS alarm will be activated. Vice versa.
- Alarm at bypass mode: If enabled, UPS alarms when it's working at bypass mode. Vice versa.
- Alarm at battery mode: If disabled, UPS will not alarm when it's working at battery mode. Vice versa.
- Auto reboot: If enabled, UPS will auto recover when AC is recovering. Vice versa.
- Bypass when UPS is off: If enabled, AC will directly provide power to connected devices when UPS is off. Vice versa.
- Converter mode: If enabled, the UPS will operate in converter mode.
 Vice versa.
- ECO mode: If enabled, the UPS will operate in ECO mode when input voltage is within acceptable range. Vice versa.
- Battery open status check: If enabled, the monitored UPS will check if the battery connection is ok or not when UPS is turned on.

- Cold start: If disabled, the UPS can be turned on only when AC is normally connected to UPS. Vice versa.
- Bypass not allowed: If enabled, the UPS will not transfer to bypass mode under any conditions. If disabled, the UPS will be allowed to transfer to bypass mode according to UPS internal setting.
- Battery deep-discharge protection: If enabled, the monitored UPS shuts down in accordance with the condition of battery and load on battery mode to protect battery. Vice versa.
- Site fault detection: If enabled, the monitored UPS will beep when the input neutral and hot wires are reversed. Vice versa.
- P1 Programmable outlet control (battery mode): If enabled, when UPS is running at battery mode, it will cut off P1 outlets after backup setting time arrives. If disabled, UPS will provide continuous power to P1 outlets until the battery is running out.
- Outlet setting: Users can set limited backup time for P1 outlets when UPS is on battery mode.
- > Battery numbers setting: Set battery numbers in parallel.
- Voltage and frequency range for bypass mode: Set acceptable voltage and frequency range in bypass mode
 - Maximum and minimum voltage: When UPS is on bypass mode and input voltage is out of setting range, UPS will enter battery mode.
 - Maximum and minimum frequency: When UPS is on bypass mode and input frequency is out of setting range, UPS will enter battery mode.
- Voltage range for ECO mode: Set acceptable voltage range for ECO mode.

3.3 Control

3.3.1. Real-time control

Select Control >> Real-time control. Refer to Chart 3-5.

SNMP Web Server - Windows Inter	rnet Explorer		
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File Edit View Favorites Tools H	telp		
Favorites Composition For the server		🟠 🔻 🔝 👻 🚍 🖶 👻 Page 🖌 Safety 👻 To	ols • 🔞 • 🦓
SNMP Web Server 2.0		Real-time control Logout	Administrator
Information Status Basic information UPS setting Parameters setting Control Real-time control System configuration Web E-mail SMS Wake on LAN SMS Wake on LAN SMS Wake on LAN Shutdown E-vent action Scheduled System time SMMP configuration Log Event log Data log Help Serial Port Debug	Alarm control on off UPS turn on/off on off Battery self-test 10-second self-test Start Cancel Deep discharge test Start Cancel Minute self-test: 0.2 Min Start Cancel		
Done		🏹 🌍 Internet 🦛 🗸	🔍 100% 🔹 💡

Chart 3-5

You can real-time control the UPS by executing following operation:

- > UPS turn On/Off: Click "On" to turn on the UPS and "Off" to turn off the UPS immediately.
- Battery Self-Test: It offers three types of battery self-test: 10-second self-test, deep discharge test, and self-defined self-test. Simply clicking "Start" button from each type. It will execute the self-test immediately.

3.4. System configuration

3.4.1. Web user

It configures the authority to access SNMP web card. Please enter access ID and password in each column. There is no any limitation to access control in default setting. Refer to Chart 3-6.

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Favorites ESNMP Web Server				🚽 🔹 Page 🔹 Safety 🔹 Tools 👻 🕢
NMP Web Server 2.0			Web	Logout Administrator
Information	User Account			
Status	User Account User Name	Password	Permission	Operation
Basic information UPS setting	user		No Access V	Apply Delete
Parameters setting			No Access 💙	Apply Delete
Control			No Access 🗸	Apply Delete
Real-time control			No Access 🗸	Apply Delete
System configuration				
Web E-mail SMS Wake on LAN Shutdown Event action Scheduled System time SNMP configuration				
Log				
Event log Data log				
Help				
Serial Port Debug				

Chart 3-6

If SNMP Manager pops up with "Authentication Required" windows, please provide default values as above:

User Name: user Password:

[leave empty]

Authentication	Required 🛛
?	A username and password are being requested by http://172.40.2.232. The site says: "test"
User Name:	
Password:	
	OK Cancel

3.4.2. E-mail

It's allowed to send alarm mail by SMTP server. To use this function, the e-mail service must be correctly configured. All values in this function page are default empty. This action can't be executed without the SMTP information, e-mail account and password. Besides, the sender account should be allowed for SMTP/POP3 forwarding.

Select System Configuration >> E-mail. Refer to Chart 3-7

SNMP Web Server - Windows Ir	nternet Explorer	
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🖕 Favorites 🏾 🌈 SNMP Web Server		🏠 🔻 🔂 👻 🖃 🖶 🔻 Page 🗸 Safety 👻 Tools 👻 🔞 🔹 🕉
SNMP Web Server 2.0		E-mail Logout Administrator
Information Status Basic information UPS setting Parameters setting Control Real-time control System configuration Web E-mail SMS Wake on LAN Shutdown Event action Shutdown Event action Shutdown Event log Data log Help Serial Port Debug	Send Email when Event Lo	Receive 1: Apply Delete Receive 2: Apply Delete Receive 3: Apply Delete Receive 4: Apply Delete Forgot Apply Delete Password: Apply Delete "Test" button to send a Recipient's Email Address (for Daily Report) Account 1: Apply Delete Account 2: Apply Delete for Daily Report (hh:mm): at 00:00 goverflows (100 records): ig overflows (500 records):
javascript:;		🕞 🔮 Internet 🦓 👻 📆 100% 👻 💥

Chart 3-7

- 1. Enter SMTP server, SMTP port, sender's E-mail address, user name and password. Click checkbox of "Need Auth" for password verify.
- 2. Enter correct e-mail accounts in Receive list. Then, click "Apply" to add into receivers list. Click "Delete" button to delete e-mail account.
- 3. Click "Apply" to save the changes. The "Test" button can be used to send a test e-mail to all receivers to confirm correct operation. When the test e-mails are successfully sent to specific recipients, it will pop up a successful message on operated PC. Otherwise, it will pop up a failure dialog to indicate there is an error for parameter setting.
- 4. You may decide who will receive daily report e-mail at specific duration. Please enter recipient's Email Address and timer into columns. Then, click "Apply" button to set up this action. You also can configure who will receive alarm e-mail when event log exceeds 100 or data log exceeds 50 records. Please click checkbox of selections.

3.4.3. SMS

This function is required to have service software available such as ViewPower Pro. In the event of an alarm condition occurring, a message about UPS status will be sent to the specified users via mobile phone. Refer to Chart 3-8.

SNMP Web Server - Windows In	nternet Explorer
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File Edit View Favorites Tools	Help
🔶 Favorites 🏾 🏉 SNMP Web Server	👌 🕆 🔂 🕆 🗔 👘 🔻 Page 🗸 Safety 🗸 Tools 🕶 🕢 🤹 🚳
SNMP Web Server 2.0	SMS Logout Administrator
Information Status Basic information UPS setting Parameters setting Control Real-time control System configuration Web E-mail SMS Wake on LAN Shutdown Event action Scheduled System time SNMP configuration Log Event log Data log Help Serial Port Debug	SMS server: 192.168.107.11 Receive Apply Delete Port: 41222 Receive Apply Delete Account name 2: Apply Delete Password: 3: Apply Delete Note: After apply, you can click "Test" button to send a test message. Apply Test
Done	🔽 😜 Internet 🛛 🖓 🗸 100% 👻

Chart 3-8

3.4.4. Wake on LAN

It's to remotely wake on specific PCs in LAN when these PCs are supported to Wake-on-LAN (WOL) via a magic packet.

Select System Configuration >> Wake on LAN. Refer to Chart 3-9.

SNMP Web Server - Windows Inte	ernet Explorer		
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Favorites 🏾 🏀 SNMP Web Server		🏠 🔹 🔝 👘 🖃 🚔 💌 Page 🕯	• Safety • Tools • 🔞 • 🖄
SNMP Web Server 2.0		Wake on LAN	Logout Administrator
Information Status Basic information UPS setting Parameters setting Control Real-time control System configuration Web E-mail SMS Wake on LAN SMS Wake on LAN Shutdown Event action Scheduled System time SNMP configuration Log Event log Data log Help Serial Port Debug	MAC address 1: C8-0A-A9-5B-31-B5 Apply Delete MAC address 2: 00-00-00-00-00 Apply Delete MAC address 3: 00-00-00-00-00 Apply Delete MAC address 4: 00-00-00-00-00 Apply Delete MAC address 4: 00-00-00-00-00 Apply Delete (MAC address format: 01-1F-C6-C7-E0-08) Output Delete		
ne		👩 🌍 Internet	🕢 • 🔍 100% •

Chart 3-9

After MAC addresses of remote PCs are entered into address column, it will allow to remote control the PCs. However, it's also required to have hardware support for remote PCs to implement this function.

3.4.5. Shutdown

It is to remotely shut down specific PCs with Shutdown Wizard. This function is only available to integrate with Shutdown Wizard. Please also check user manual of Shutdown Wizard for the details.

Select System Configuration >> Shutdown. Refer to Chart 3-10.

Pie Edt Wew Favorites Tools Help	C SNMP Web Server - Windows I	nternet Explorer		
Pervortes SMMP Web Server SNMP Web Server 2.0 Shutdown Information Equal Administrator Status Basic information UPS setting Parameters setting Parameters setting Parameters setting Parameters setting Parameters setting Real-time control Status System configuration Web E-mail SMS Wake on LAN Shutdown Statudown Event log Data log Help Serial Port Debug Help	💽 🗢 🙋 http://192.168.107.1	09/	💌 🗟 🏍 🗙 🧗 Live Search	<mark>،</mark>
SNMP Web Server 2.0 Shutdown Logout Administrator Information Status Basic information UP address 1: 192.168.107.11 Apply Delete UP setting Parameters setting Control Real-time control System configuration Web E-mail SMMP configuration Log Velo System time SNMP configuration Log Data log Help Senal Port Debug	File Edit View Favorites Tools	Help		
Information IP address 1: 192.168.107.11 Apply Delete Basic information IP address 2: 00.0 Apply Delete IP address 3: 00.0 Apply Delete IP address 3: 00.0 Apply Delete IP address 4: 00.0 Apply Delete IP address 5: 00.0 Apply Delete IP address 6: 00.0 Apply Delete IP address 6: 00.0 Apply Delete IP address 7: 00.0 Apply Delete IP address 7: 00.0 Apply Delete IP address 6: 00.0 Apply Delete IP address 6: 00.0 Apply Delete IP address 7: 00.0 IP address IP address 7: 00.0 System time SNMP Delete Stata log Hep Serial Port Debug	🔶 Favorites 🏾 🏉 SNMP Web Server		🏠 👻 🔝 🐨 🖃 🖶 👻 Page 🗸 Safety 🕶 Tools 🕶 🔞 🕶	- 43
Status IP address 1: 192 168.107.11 Apply Delete UPS setting IP address 2: 0 0.0 Apply Delete Control IP address 3: 0 0.0 Apply Delete Real-time control IP address 4: 0 0.0 Apply Delete System configuration IP address format: 192 168.102.101) IP address format: 192 168.102.101) System configuration Event action Scheduled System time SIMMP configuration Log Data log Help Serial Port Debug	SNMP Web Server 2.0		Shutdown Logout Administrator	
	Status Basic information UPS setting Parameters setting Control Real-time control System configuration Web E-mail SMS Wake on LAN Shutdown Event action Scheduled System time SNMP configuration Log Event log Data log Help	IP address 2: 0.0.0.0 Apply [IP address 3: 0.0.0.0 Apply [IP address 3: 0.0.0.0 Apply [IP address 4: 0.0.0.0 Apply [Delete	
👩 😜 Internet 🦓 🗝 🔩 100%			🐻 😜 Internet 🏼 🆓 🕶 💐 100%	•

Chart 3-10

3.4.6. Event action

This function is only available to integrate with Shutdown Wizard. Please also check user manual of Shutdown Wizard for the details.

Select System Configuration >> Event action. Refer to Chart 3-11.

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NMP Web Server 2.0		Event action	Login Guest
Information Status Basic information UPS setting Control Real-time control System configuration Web E-mail SMS Wake on LAN SMUKOWN E-to all SMS Wake on LAN SMUKO SMS Wake on LAN SMUKO SMS SMS SMS SMS SMS SMS SMS SMS SMS SM	Shutdown the PC while battery mode. Apply Time needed for shutting down the PC [120] Sec. The PC should: ③ Shutdown ○ Go to sleep Also power off the UPS after shutting down the PC. Shutdown UPS output after 1800 Sec. Shutdown the PC while low battery. Apply Wake on LAN while AC recovery. Apply Send E-mail while any UPS's event occurs. Apply Send SMS while any UPS's event occurs. Apply EMD alarming temperature upper limit % Apply EMD alarming humidity upper limit % Apply Data record interval 60 Sec.		

Chart 3-11

- Shutdown the PC while battery mode: When selected, integrated with Shutdown Wizard, local PC will shut down while UPS works on battery mode.
- Time needed for shutting down the PC: Enter the delay time to shut down the operating system.
- The PC should:
 - 1. Shutdown: When clicking the checkbox, the selected system will shut down. The default setting is clicked.
 - 2. Sleep mode: When clicking the checkbox, selected system will suspend the system instead of a normal shutdown. But this function is only supported by Windows 2000 or higher on supported hardware.
- Also power off the UPS after shutting down the PC: When click the checkbox, monitored UPS will turn off after local system shuts down. The UPS shutdown time will be later than system complete shutdown time. Users can choose to shut down the system without shutting down the UPS.
- Shutdown UPS output after xx sec: It will cut off UPS output after monitored UPS works on battery mode for xx sec.
- Shutdown the PC while low battery: When clicking this checkbox, local PC will shut down when monitored UPS battery is running low.
- Wake on LAN while AC recovery: When clicking this checkbox, the local PC will be wake on LAN while AC recovery.
- Send E-mail while any UPS event occurs: When clicking this checkbox, it will send alarm E-mail when any event occurs on the local UPS.
- Send SMS while any UPS event occurs: When clicking this checkbox, in

the event of an alarm condition occurring, a message about UPS status will be sent to the specified users via mobile phone.

- EMD alarming temperature upper limit: Set up alarm for high temperature point. If detected temperature is beyond setting value, it will send alarm message.
- EMD alarming humidity upper limit: Set up alarm for high humidity point. If detected humidity is beyond setting value, it will send alarm message.
- Data record interval xx sec: Data log record the data per xx sec.

3.4.7. Scheduled

Select System Configuration >> Scheduled. Refer to Chart 3-12.

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SNMP Web Server 2.0	Scheduled Logout Administrator
Information Status Basic information UPS setting Parameters setting Control Real-time control System configuration Web E-mail SMS Wake on LAN Shutdown Event action Scheduled System time SNMP configuration Log Event log Data log Help Serial Port Debug	Battery test scheduled Frequency: ○ Once ○ Daily ○ Weekly ○ Monthly UPS on weekday: Wednesday ♥ Start time(hh:mm): 15:40 Method: ○ 10-second self-test ○ Self-test 1 Min ○ Deep discharge test Apply UPS On/Off schedule Frequency: ○ Once ○ Daily ○ Weekly Power off at: 2013/05/08 (yyyy/mm/dd) 15:44 (hh:mm) Power on at: 2013/05/08 (yyyy/mm/dd) 15:48 (hh:mm) Apply ♥ Use battery test schedule Power off at: 2013/05/08 (yyyy/mm/dd) 15:48 (hh:mm) Apply
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Chart 3-12

- Scheduled battery self-test: Scheduled battery self-test can be executed once, daily, weekly, or monthly. Users can select UPS and time parameters. It is recommended to set only one action in the same time. If multiple actions have been applied at the same time, some of these actions may be ignored. Any action will be ignored when the action is not supported by the UPS.
- Scheduled UPS on/off: Scheduled UPS on/off can be executed once, daily, weekly. Users can select UPS and time parameters. It is recommended to set only one action in the same time. If multiple actions have been applied at the same time, some of these actions may be

ignored. Any action will be ignored when the action is not supported by the UPS.

3.4.8. System time

Select System Configuration >> System time. Refer to Chart 3-13.

Information Status Basic information UPS setting Parameters setting Control Real-time control System Time (mm/dd/yyyy hh mm:se) Dis2/2013 10:16:07 Auto Restart System for Every (0: Disable) Image: Status System Time (mm/dd/yyyy hh mm:se) System Time (mm/dd/yyyy hh mm:se) Dis2/2013 10:16:07 Auto Restart System for Every (0: Disable) Image: Status Solution System Time (mm/dd/yyyy hh mm:se) Dis2/2013 10:16:07 Apply Auto Restart System for Every (0: Disable) Status Status Status System Time (mm/dd/yyyy hh mm:se) Dis2/2013 10:16:07 Apply Auto Restart System for Every (0: Disable) Menual Restart System Atter 30 Seconds Apply Basic information Log Event log Basic information Control Control Control Control Rest Menual Restart System Atter 30 Seconds Apply <th>C SNMP Web Server - Windows Inte</th> <th>rnet Explorer 📃 🖸 🔀</th>	C SNMP Web Server - Windows Inte	rnet Explorer 📃 🖸 🔀
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Information Automatic time correction interval: 12 Hours Image: Status Basic information UPS setting Time zone(Relative to GMT): GMT Image: GMT Parameters satting Control Mode: GMT Image: GMT Adjust now >> System configuration Veb System Time (mm/dd/yyyy hh:mm:ss): 05/23/2013 10:16:07 Apply Wake on LAN Shuddown System time System Time (mm/dd/yyyy hh:mm:ss): 05/23/2013 10:16:07 Apply Manual Restart System After 30 Seconds: Apply Manual Restart System After 30 Seconds: Apply Barial Pot Debug Help Serial Pot Debug Manual Restart System After 30 Seconds: Apply	🚖 Favorites 🏾 🏉 SNMP Web Server	🔓 • 🔂 - 🛄 🖶 Page • Safety • Tools • 🔞 • 🦓
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Chart 3-13

- Automatic time correction interval
- Time server: The SNTP server IP address or domain name.
- Time Zone (Relative to GMT)
- Applying daylight saving time
- System Time (mm/dd/yyyy hh:mm:ss): It is to set up SNMP web local host time
- Auto Restart system for Every (0: Disable): XX Minute(s)
- Manual Restart system after 30 Seconds.: When click "Apply" button, SNMP will restart after 30 seconds.

3.4.9. SNMP configuration

Setting SNMP web card basic information such as set IP address, password, trap IP address, SNMP UDP port and Restore the factory settings.

Note: Some operations will cause SNMP to reboot. It's normal operation.

Select System Configuration >> SNMP configuration. Refer to Chart 3-14.

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		Automatically obtain IP	address	
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	Default gateway:	192.168.107.254		
Web	DNS:	192.168.100.236		=
		Apply		
Wake on LAN				
	Password			
	Old password:			
	New password:			
	Confirm password:			
		Apply		
Help Serial Port Debug	Trap IP address			
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Chart 3-14

- IP address: There are two methods to obtain IP address
 - 1. Automatically obtain IP address (DHCP, default)
 - 2. Manually configure IP address

The system will default automatically obtain IP addresses. If there is no this kind of service provided in LAN, the default IP will display as "192.168.102.230", Net mask as "255.255.255.0" and default gateway as "0.0.0.0".

- Password: Modify the password. The length of password is 8~15 digits.
- Trap IP address: The SNMP device could provide 4 static trap addresses.
- SNMP UDP port: You may change SNMP port and trap port.
- Restore the factory settings
 - Note: The system will default automatically obtain IP addresses and default Password is 12345678.

3.5. Log

3.5.1. Event log

In the Event Log window, it lists all history events and can be saved as .csv file. The event log includes UPS warnings, fault info and EMD warnings. Refer to Chart 3-15.

Select Log >> Event log.

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SNMP Web Server 2.0			
		Event log	Logout Administrator
Information		1	
Status	Time	Event name	
Basic information	05/08/2013 15:44:01	Scheduled UPS power-on/off is going to start	
UPS setting	05/08/2013 15:41:02	Battery self-test completed	
Parameters setting	05/08/2013 15:40:02	Battery self-test is going to start	
Control			
Real-time control			
System configuration Web			
E-mail			
SMS			
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Chart 3-15

3.5.2. Data Log

In the Data Log window, it will list all history logs and can be save as .csv file. Refer to Chart 3-16.

Select Log >> Data log.

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Status	Time	nput voltage/V) Output voltage(V		cv(Hz) Load(%) Battery vol	tage(V) Temp.(°C)	
Basic information	05/23/2013 10:18:00 2		229.7	50.0	5	41.0	40.1	
UPS setting	05/23/2013 10:17:00 2	09.3	229.7	49.9	3	41.0	40.4	
Parameters setting	05/23/2013 10:16:00 2	09.0	230.0	50.0	3	41.0	40.1	
Control	05/23/2013 10:15:00 2	09.0	229.8	50.0	2	41.0	40.1	
Real-time control	05/23/2013 10:13:59 2	09.6	229.6	50.0	3	41.0	40.3	
System configuration	05/23/2013 10:12:58 2	08.6	229.7	50.0	3	41.0	40.3	
Web	05/23/2013 10:11:58 2	09.9	229.9	50.0	6	41.0	40.3	
E-mail SMS	05/23/2013 10:10:59 2	10.1	229.8	50.0	5	41.0	40.3	
Wake on LAN	05/23/2013 10:09:59 2	10.7	229.6	50.0	3	41.0	40.3	
Shutdown	05/23/2013 10:08:58 2	11.0	229.8	50.0	5	41.0	39.8	
Event action Scheduled	05/23/2013 10:07:58 2	10.6	229.7	50.0	3	41.0	40.1	
System time	05/23/2013 10:06:58 2	09.1	229.8	50.0	4	41.0	40.4	
SNMP configuration	05/23/2013 10:05:58 2	08.7	229.8	50.0	3	41.0	40.3	
Log	05/23/2013 10:04:56 2	09.0	229.7	50.0	4	41.0	40.1	
Event log								
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Chart 3-16

3.6. Help

3.6.1. Serial Port Debug

It's to test communication condition between SNMP card and device.

Select Log >> Event log. Refer to Chart 3-17.

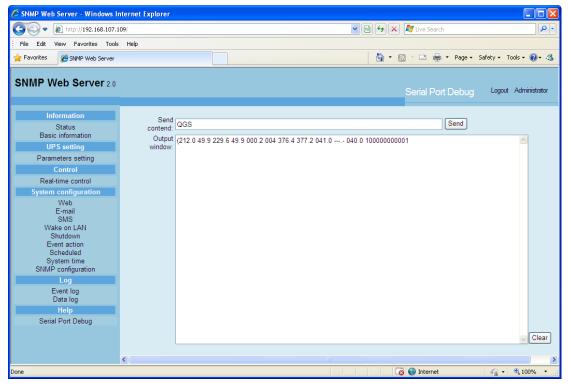


Chart 3-17