



User & Installation Manual

# TABLE of CONTENTS

OVERVIEW	
Introduction	3
Features	3
Overlook	4
Installation & Connections	4
Configuration	
Monitoring	ŝ
SNMP Web Pro GUI	
FUNCTION MENU	
Information	
UPS Setting	
Control	
System Configuration	1
Log	Э
Help	)

## OVERVIEW

## Introduction

This SNMP web pro can provide web server to monitor and manage multiple UPS in a networked environment including LAN and internet. It can detect temperature and humidity for the environment via connecting to EMD (Environmental Monitoring Device). The same port is also applied for data transmission. Simply connect to SMS modem for SMS sending with a RJ11 to DB9 cable.

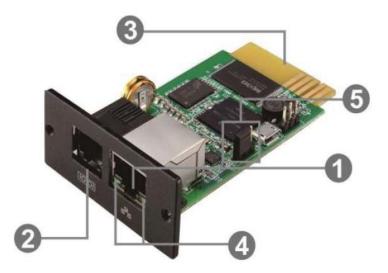
Integrated with Shutdown Wizard, it can not only prevent data loss from power outage and safely shutdown systems, but also store programming data and scheduled shut down the UPS. All UPS warning and fault event records can be kept in SNMP web pro.

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

## 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, HTTPS, SSL, SSH, IPV4/IPV6, DHCP and so on.
- Integrated with Shutdown Wizard, it can prevent data loss from power outage and safely shut down systems.
- Able to store event log more than 200,000 threads, including UPS warnings, faults and EMD warnings, operation data logs from web users or ViewPower pro users. It will be stored safely without loss even when power failure occurs.
- Support daily reports for event log and data log.
- Scheduled UPS on/off and battery test.
- Support EMD monitoring and SMS sending.
- Equipped with real-time clock to record log with date and keep running up to 7 days without power connected.

## Overlook



- 1. Ethernet port (10/100Base-T)
- 2. Sensor port/data transmission port
- 3. Golden finger: connects to UPS slot
- 4. Ethernet port status LEDs
- 5. Jumper setting to restore default setting

### Ethernet Port Status LEDs:

100M/15D (Croop)	On	Port is operating at 100M bit/s
100M LED (Green)	Off	Current web bandwidth is 10M bit/s
Link status LED (Vallow)	Flash	Link active
Link status LED (Yellow)	Off	Card is not connected to the network

### Pin Assignment for Jumper:

Pin #	Status	Description
Pin 1 & Pin 2 Closed		Normal operation
Pin 2 & Pin 3	Closed	After re-connecting utility, the IP address of SNMP web card and password will restore to default setting. Default static IP address: (192.168.102.230) Default password: 12345678

**NOTICE:** After setting is restored to default, be sure to change the jumper setting to connect Pin 1 and Pin 2 for normal operation.

### Installation & Connection

## Installation

If using SNMP web card, follow steps below to install card first:

**Step 1:** Remove the cover of intelligent slot on the back panel of UPS and retain the screws.

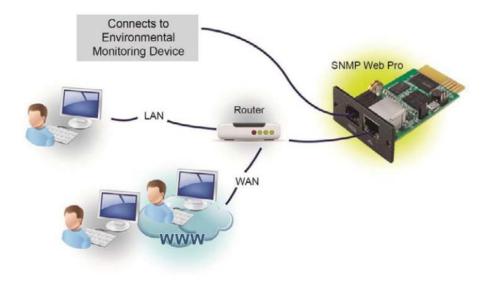
Step 2: Slide the card into the open slot and secure with the screws (from step 1).

#### Lowell Model UPS-SNMP Manual



**Step 3:** Plug Ethernet cable to the Ethernet port (RJ45) on the SNMP web manager.

**Step 4:** Use one more Ethernet cable. Connect one end to the sensor port on the SNMP web manager and the other end to the optional environmental monitoring device.



## Configuration

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



Enter specific IP address to search all SNMP devices in LAN. The SNMP web manager is default applied static IP address as 192.168.102.230, default subnet mask as 255.255.255.0, and default gateway as 192.168.102.1. Users can modify IP address or apply DHCP mode through web server of SNMP web pro card, SSH Client or SNMP Web Manager.

IP address         MAC address           /2.168.107.79         00-00-6E-00-10-23	IP address 192.168.107.79 MAC address 00-00-5E-00.10-23
SNMP reset enable Use system time: 09/17/2012 16:42:01 Apply 192:168:107 Scan Add	Output window [16.42:00] 192:160.107.79 Online successfully.

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

Check SNMP Web Manager User Manual for detailed configuration.

## Monitoring

There are two ways to monitor:

Double click the selected device from the device list to open web page as Chart 1-6a. Or simply enter https address (http://192.168.107.234) in web browser to access web server directly.

avorites 🛛 🎪 🔊 Suggested Sites 💌	Web Slice Gallery •					
NMP Web Server			<u>م</u> .	<b>⊠</b> • □ #	• Page • Safety • To	nis 🔻 (
NMP Web Pro 1.0					Logn Guest	
			Shi	16;	Lugir Gues	
Information	UPS information					
Status	UPS mode:	Line Mode	UPS temp :	29.3 C		
Basic information	Auto reboot		Converter mode:			
UP'S setting	ECO Mode:	faise	Dypass when UPS is off.			
Parameters setting Control	Bypass not allowed.	true	Fault type.			
Real-time control	UPS warning					
System configuration						
Web	Input information					
E-mail SMS	Input voltage.	221.0 V	Input frequency.	50.0 Hz		
SMS Wake on LAN						
Shutdown	Output information					
Event action Scheduled	Output voltage:		Output frequency:			
System time	Output current:	0.3 A	Load level:	6%		
SNMP configuration	Battery information					
Event log	Battery voltage	410.V	Battery capacity	92 %		
Data log	Remaining backup time:		Chartery Capacity			
Help			- A			
Serial Port Debug	EMD Information					
	EMD temp.:	24.6 C	Humidity:	80.2 %		

	() Web Slice Gallery •				
IMP Web Server			ĝ•		Page - Safety - Tools
NMP Web Pro 10					
			Sat		Logn Guest
Information	UPS Information				
Status	UPS mode	line Mede	UPS temp :	20.2.0	
Basic information	Auto reboot:		Converter mode:		
UPS setting	ECO Mode:		Bypass when UPS is off.		
Parameters setting	Bypass not allowed		Fault type.	hdro't	
Control	UPS warning	ti de	i aut type.		
Real-time control	U. Or O Huming		1		
System configuration	Input information				
Web E-mail	Input voltage:	225 4 1/	Input frequency.	60.0 Hz	
SMS	input voitage.	220.4 V	input irequency.	50.0 m2	
Wake on LAN	A REPORT OF THE TYPE PARTY				
Shutdown Event action	Output information				
Scheduled	Output voltage		Output frequency.		
System time	Output current	01A	Load level:	4 %	
SNMP configuration					
Log	Battery information	AMARKAN .			
Event log Data log	Battery voltage		Battery capacity	93 %	
Help	Remaining backup time:	999 Min			
Serial Port Debug					
	EMD Information				
	EMD temp.:	26.6 C	Humidity:	73.0 %	

Installed ViewPower Pro software to monitor SNMP web pro.

Check ViewPower Pro User Manual for detailed monitoring.

Configuration Schedule View Format Language Hel	P User type.	Guest Login
🛒 🌇 🙁 🕵 😒		Graphic view List view
Unassigned		
(192.168.103.166.5NMPP01_0000000000000000000000000000000000	null(192.168.103.165_SNMPP01_000000000001)	null(192.168.103.164_SNMPP02_000000000002)
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_0000000000000000000000000000000000
Disconnected 📀	Disconnected 📀	Disconnected 📀

## **SNMP Web Pro GUI**

SNMP web pro GUI includes function menu, login section and main screen.

worites 🛛 🍓 🔊 Suggested Sites 🔹 🛔	Web Sice Gallery •				
SNMP Web Server			<u>ه</u> -	🛛 • 🗆 🖷	▼ Page ▼ Safety ▼ Tools
SNMP Web Pro 10	А		Stat		D Login Guest
Information B	C UPS information				
D Status Basic information	UPS mode:	Line Mode	UPS temp.:	29.3 C	
UPS wating	Auto reboot:	true	Converter mode:	false	
Parameters setting	ECO Mode:	faise	Bypass when UPS is off	false	
Control	Bypass not allowed:	true	Fault type:		
Real-time control	UPS warning.				
System configuration					
Web	Input Information				
E-mail	Input voltage:	221.0 V	Input frequency:	50.0 Hz	
SMS					
Wake on LAN Shutdown	Output Information				
Event action	Output voltage:	229.8 V	Output frequency:	50.0 Hz	
Scheduled	Output current:		Load level:		
System time SNMP configuration					
Log	Battery Information				
Event log	Battery voltage:	41.0 V	Battery capacity:	92 %	
Data log	Remaining backup time:				
Help		Associated	1		
Serial Port Debug	EMD Information			_	
	EMD temp :	24.6.C	Humdity:	80.2 %	
	Emb temp.	Let v v	Hallbury.	No.e is	

- A. SNMP web pro 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".

### **FUNCTION MENU**

# Information

## Status

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

avorites 🛛 🊖 🔊 Suggested Sites 🔹	Web Slice Gallery					
NMP Web Server			G •	<u>⊡</u> • ⊡ @	• Page • Safety	- Tools - (
NMP Web Pro 10						
			Sat	us	Logn Gue	at
Information	UPS Information				_	
Status	UPS mode	Line Mode	UPS temp	29.3.0	2	
Basic information	Auto reboot		Converter mode:			
UPS setting	ECO Mode:		Bypass when UPS is off.			
Parameters setting	Bypass not allowed.	true	Fault type.			
Control	UPS warning					
Real-time control						
System configuration Web	Input information					
E-mail	Input voltage.	221.0 V	Input frequency.	50.0 Hz		
SMS				L'anno 1990		
Wake on LAN Shutdown	Output information					
Event action	Output voltage.	229.8 V	Output frequency.	50.0 Hz		
Scheduled System time	Output current	03A	Load level:			
SNMP configuration						
Log	Battery information					
Event log	Battery voltage	41.0 V	Battery capacity	92 %		
Data log	Remaining backup time:	999 Min		1		
Help						
Serial Port Debug	EMD information					
	EMD temp.:	24.6 C	Humidity:	80.2 %		

### **Basic Information**

Select Information >> Basic Information. It includes UPS basic information, battery information and UPS rated information.

SNMP Web Server - Windows Internet Explorer					
http://192.168.107.234/			• 8 4 ×	( D ling	1
Favorites 👍 🙋 Suggested Sites 🔹 🔊 W	Veb Slice Gallery 💌				
SNMP Web Server			<u>ه</u> -	□ • □ ⊕ •	Page - Safety - Tools -
SNMP Web Pro 1.0			Bas	sic information	Login Guest
Information	AL 1930 10 10 10 10 10 10 10				
Status	Basic information	OF ON LOS			
Basic information		G1K ON_LINE	Input phase/Output phase UPS serial number		
UPS setting	Input voltage/Output voltage UPS FW version		SNMP FW version		
Parameters setting	Equipment attached		CONTRACT AND ADDRESS	1.0.0	
Control	Edobulati amarina	Dougs- man but			
Real-time control	Statistical and an an and a statistical statistics				
System configuration	Battery Information				
Web E-mail	Battery group number:	4			
E-mail SMS					
Wake on LAN	UPS rated information			-	
Shutdown Event action	Rated VA:		Rated output voltage		
Scheduled	Rated output frequency.		Rated output current.	4.0 A	
System time	Rated battery voltage:	36.0 V			
SMMP configuration					
Log					
Event log Data log					
Help					
Serial Port Debug					
			👼 🖨 Internet i Prote	the state of the s	√a • ₹ 100%

## **UPS Setting**

## **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 setting for bypass mode and voltage range setting for ECO mode.

## Select UPS setting >> Parameters setting.

	• (a) Web Slice Gallery •						
SNMP Web Server				<u>@</u> • ⊠ • ⊒ ⊕ •	Page •	Safety - Tool	••
SNMP Web Pro 10							
				Parameters setting	Log	n Guest	
Information	Alarm control: e Enable 🔿 D	insta 🖌	Apply	Advanced ECO mode: I Enable	Disabl	Apply	
Status Basic information	Alarm at bypass mode: a Enable O D			Green power function: O Enable		and the second s	
UPS setting	Alarm at battery mode.		Apply	Cold start: a Enable			
Parameters setting	Auto reboot: a Enable O D		Apply	Bypass not allowed a Enable			
Control	Bypass when UPS is off. O Enable .	10.00 March 10.00	Apply	Battery deep-discharge protection. (A) Enable		Concentration of the local division of the l	
Real-time control	Converter mode . Enable . D		Apply	Site fault detection: O Enable		and an	
System configuration	ECO mode O Enable @ D	Sec. 1997	Apply	P1 programmable outlet control . Enable			
Web E-mail		020100					
SMS	Outlet setting			Battery numbers setting			
Wake on LAN Shutdown	Backup time for P1(battery 1 mode)	Min	Apply	Numbers in parallel: 4	A	pply	
Event action Scheduled	made						
System time	Voltage and frequency range for by	pass mod	ie .	Voltage range for ECO mod			
SNMP configuration	Max. voltage: 263	v	Apply	Max voltage 242	and the second second	Apply	
Event log	Min. voltage: 172	v	Apply	Min. voltage: 215	-	Apply	
Data log	Max frequency 52.8	Hz	Apply		N. 1		
Help	Min, frequency: 47.3	Hz	Apply				
Serial Port Debug		-					
						Default	

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 wehn 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.

## Control

#### Real-time control

Select Control >> Real-time control.

Favorites   🚕 🖉 Suggested Site SNMP Web Server	c • 🕖 Web Slice Gallery •	🖄 • 🔯 • 🗃 👼 • Page• Saf	ety 🕶 Tools 🕶 🌒
SNMP Web Pro 1.0		Real-time control Logn G	uest
Information Status Basic information UPS sutting Parameters setting Control Real-line control System configuration Web E-mail SMS Wake on LAN Shutdown E-wrail SMS Wake on LAN Shutdown E-wrail SMS Wake on LAN Shutdown E-wrail SMS Configuration Scheduled System time SNMP configuration Log Event log Data log Help Serial Port Debug	Alarm control On Of UPS turn on/off Battery self-test 10 second self-test Start Concel Deep discharge test Start Concel Minute self-test 1 Min(s) Start Concel		

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

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

### System Configuration

#### Web User

It configures the authority to access SNMP web pro. Enter access ID and password in each column. There is no limitation to access control in default setting. It is also allowed for http and https modification. The default setting is 80 for http and 443 for https. If any modification for adding web users, deleting web users, or port re-configuration, it's necessary to click "Restart Web Server" button to restart web server to activate all modifications.

http://192.168.107.234	/					- 14 -9	k D Bing		p
Favorites 🛛 🏫 🗑 Suggested Sites	🔹 🝙 Web Slice Galler								
SNMP Web Server						Q .	<b>⊠</b> •⊠∰•	Page + Safety +	Tools 🕶 👔
SNMP Web Pro 10						w	de	Logn Guest	
Information	* : Restart the v	veb server to take effect.							
Status Basic information	Web Server C	Configure							
UPS setting		,	Http Port.	80		Apply			
Parameters setting		H	ttps Port:	443		Apply			
Control									
Real-time control	User Account								
System configuration		User Name		1	Password		Permission	Operation	
Web E-mail							Read	Apply	
SMS Wake on LAN Shutdown Event action Scheduled System time SNMP configuration							Rest	art Web Server	þ
Event log Data log									
Help Serial Port Debug									

#### 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.

vorites				5   H	*) × /		-	_
IMP Web Server					<u>.</u>	- 🗆 👄	• Page •	Safety = Tools
NMP Web Pro 1.0					E-mail		Lagn	Gunt
Information	(and the second s							-
Status		smtp.test.com		Receive 1:			Apply	Delete
Basic information UPS setting	Security Type:	ONO SSL OTLS		Receive 2.			Apply	Delete
Parameters setting	Port	465		Receive 3			Apply	Delete
Control	Send from:			Receive 4:			Apply	Delete
Real-time control				Receive 5:			Apply	Delete
System configuration	User name.			Receive 6:			Apply	Delete
Web E-mail		Need Auth		Receive 7			Apply	Delete
SMS	Password:						and the party of the local division of the l	and the second se
Wake on LAN Shutdown		After apply, you can click " message.	Test" button to send a te				Apply	Delete
Event action Scheduled		Apply Test		Password get back Email.			Apply	Delete
System time SNMP configuration				Recipient's Email Addres	s (for Daily R	eport)		
LOn Event log			Account 1		Apply	Delete		
Data log			Account 2		Apply	Delete		
Help		Send Email (	or Daily Report (hh mm):	PT at 00.00	and the second second	And and a second		
Serial Port Debug			ent Log overflows (30M):					
			ata Log overflows (30M):	n n				
		errie Ellide miter e	are rad ausingers (point-	Apply				

- 1. Enter SMTP server, security type (supported encryption from 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.
- 5. Enter recipient's e-mail address and timer into columns. Then, click "Apply" button to set up this action. You can also configure who will receive alarm e-mail when event log exceeds 100 or data log exceeds 50 records. Click checkbox of selections.

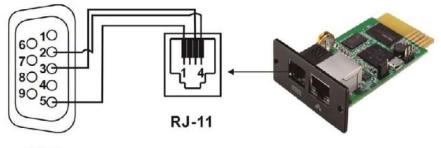
## SMS

### Sending SMS By Server

It 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 specified users via mobile phone. Refer to Chart 3-8 b.

### Sending SMS BY Serial Port

It is used EMD port as data transmission to send SMS without any service software. Configure Baud rate of GSM Modem as 9600 and then connect data transmission port of SNMP web port card to GSM Modem with a RJ11 to DB9 cable.





INMP Web Server		à•⊠ •	🖂 👼 🔹 Page 🔹 Safety 🕶 Tools 👻
NMP Web Pro 1.0		SMS	Logn Guest
Information Status Besic Information UPS 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 Baria log Help Serial Pont Debug	Sond SMS By:  Sever Sever Sever Sever Sever SMS maximum Ing Ingth SMS sever 192.165.102.230 Port 41222 Account name Password Note1 After apply, you can click "Test" button to a Note2 If send SMS by senal port,EMD function will Apply Fest		Apply Delete Apply Delete Apply Delete Apply Delete

## 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.

ivorites 🛛 🏫 🔊 Suggested Site				🗿 • 👩 • 🖂 👼	Page      Safety      Tools
NMP Web Pro 1.0				Wake on LAN	Logn Guest
Information	MAC address 01: 00-00-00-00-00-00	Analy	Delete		
Status Basic information	MAC address 02 00-00-00-00-00-00	Apply	Delete		
UPS setting	MAC address 03: 00-00-00-00-00-00	Apply	Delete		
Parameters setting	MAC address 04: 00-00-00-00-00-00	Apply	Delete		
Control Real-time control	MAC address 05: 00-00-00-00-00	Apply	Delete		
System configuration	MAC address 05: 00-00-00-00-00-00	Apply	Deloto		
Web E-mail	MAC address 07: 00-00-00-00-00-00	Apply	Delete		
SMS Wake on LAN	MAC address 08 00-00-00-00-00-00	Apply	Delete		
Shutdown Event action	MAC address 09 00-00-00-00-00-00	Apply	Delete		
Scheduled	MAC address 10: 00-00-00-00-00-00	Apply	Contraction of the local division of the loc		
System time SNMP configuration	(MAC address format: 01-1F-C6-C7-E0-08	. ALTERNATION A			
Log		<u></u>			
Event log Data log					
Help					
Serial Port Debug					

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.

### Shutdown

It's to remotely shut down specific PCs with Shutdown Wizard. This function is only available to integrate with Shutdown Wizard. Also check user manual of Shutdown Wizard for the details. Select System Configuration >> Shutdown.

NMP Web Server			§ • ⊠ • ≅ ⊕	■ Page ■ Safety ■ Tools ■
NMP Web Pro 1.0			Shutdown	Login Guest
Information Status	IP address 01: 0.0.0.0	Apply Delete		
Basic information UPS setting	IP address 02: 0.0.0.0	Apply Delete		
Parameters setting	IP address 03: 0.0.0.0	Apply Delete		
Control	IP address 04: 0.0.0.0	Apply Delete		
Real-time control	IP address 05; 0.0.0.0	Apply Delete		
System configuration Web	IP address 06: 0.0.0.0	Apply Delete		
E-mail SMS	IP address 07: 0.0.0.0	Apply Delete		
Wake on LAN	IP address 08: 0.0.0.0	Apply Delete		
Shutdown Event action	IP address 09 0.0.0.0	Apply Delete		
Scheduled System time	IP address 10: 0.0.0.0	Apply Delete		
SNMP configuration	(IP address format: 192 168 102			
Event log Data log				
Help				
Serial Port Debug				

## **Event Action**

This function is only available to integrate with Shutdown Wizard. Also check user manual of Shutdown Wizard for the details. Select System Configuration >> Event action.

SNMP Web Server - Windows Interne			<b>ند</b> الناسی م	
Control 10 http://192.168.107.234		🕶 🖂 😼 🗶 🖓 filing	P	
Favorites 👘 😥 Suggested Sites	• (a) Web Slice Gallery •			
SNMP Web Server		🕼 * 🕅 - 🖂 👼 * Pag	e ♥ Safety ♥ Tools ♥ 🐏	
SNMP Web Pro 1.0		Eventaction	Logn Guest	
Information Status Basic information UPS sotting Parameters setting Control Real-time control System configuration Web E-mail SMS Walk on LAN	Shutdown the PC while battery mode. Shutdown PC after 1900 Sec. Time needed for shutting down the PC 120 Sec. The PC should. Shutdown @ Go to sleep Also power off the UPS after shutting down the PC. Apply Shutdown the PC while low battery. Apply Wake on LAN while AC recovery. Apply			
Shutdown Event action Scheduled System time SMMP configuration Lon Event log	V. Send E-mail while any UPS's event occurs.     Apply     Send SMS while any UPS's event occurs.     Apply     EMD alarming temperature upper limit 199.9 *C Apply     EMD alarming humidity upper limit 100.0 % Apply			
Data log Help Serial Port Debug	Data record interval 60 Sec. Apply			
		🗔 🚯 Internet   Protected Mode: On	<i>4</i> <sup>°</sup> <sub>8</sub> • ₹100% •	

- 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 clicking 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 stastus will be sent to 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.

## Scheduled

Select System Configuration >> Scheduled.

SNMP Web Server - Windows Internet Explorer			
G - # http://192.168.107.234/		• 8 4 × P Ring	0
👷 Favorites 🛛 🖕 🔊 Suggested Sites 👻 🗃 Web Slice Gallery 💌	5		
ShiMP Web Server		🖄 • 🖾 - 🗁 👼 • Page • Safety •	Tools - 🔞 -
SNMP Web Pro 1.0		Scheduled Logn Guest	
UPS setting Parameters setting Control Real-time control System configuration Web E-mail SMS Wake on LAN Shutdown E-went action Scheduled System time SNMP configuration Log UPS Event log Data log Help	00.00     Self-test     Self-test     Deep discharge test     Apply  COn/Off schedule Droce Daily Weekly		
Power of at 20 Power on at: 201	(A))) and (and a second		
	ply		
Done		🧔 🕒 Internet   Protected Mode: On 🛛 🖓 🔹	t 100% ·

- 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 tme, 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.

## System Time

Select System Configuration >> System time.

MP Web Server - Windows Internet 8					• 8 5 × 9 Sing		1
avorites 🛛 🍰 🖉 Suggested Sites 🔹	😰 Web Slice Gallery 🔹						_
INIMP Web Server					🗿 • 🖸 • 🗇 🖶	<ul> <li>Page - Safety - Tools</li> </ul>	- 1
NMP Web Pro 10					System time	Login Guist	
					Systemania	sogni souma.	
Information	Automatic time correction intenal:	12 Hours -	9				
Status Basic information	Time server.	time.window	s.com				
UPS sutting	Time Zone(Relative to GMT):	GMT	*				
Parameters setting		Adjust no	w >>				
Control Real-time control		Annual Contractory					
System configuration	System Time (mm/dd/yyyy hh.mm.ss).	01/05/2016	18:41:52	Apply			
Web							
E-mail SMS	Auto Restart System for Every (0. Disable).	0	Minute(s)	Apply			
Wake on LAN Shutdown							
Event action	Manual Restart System After 30 Seconds.	Apply					
Scheduled System time							
SNMP configuration							
Event log							
Data log							
Help Serial Port Debug							
Sends Port Debug							

- Automatic time correction interval
- Time server: The SNTP server IP address or domain name.
- Time Zone (Relative to GMT): It's measured relative to GMT.
- 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.

### **SNMP Configuration**

Setting SNMP web pro basic information such as IP address, password, trap IP address, SNMP UDP port, add/delete SNMPV3 user account and restore the factory settings.

**Note**: Some modifications are required to restart SNMP server to become effective.

Select System Configuration >> SNMP configuration.

http://192.168.107.234	e		* (4) *	× P Eng	4
Favorites 🛛 🎪 🗃 Suggested Sites	B Web Slice Gallery				
SNMP Web Server			6	🔹 🖾 - 🖾 👼 - Pag	je 🕶 Safety 🕶 Tools 🕶 🧃
SNMP Web Pro 1.0					Logout Administrator
Information	* System will reboot when this item has been Applied.				
Status Basic information	SNMP equipment attached				
UPS setting	Input:	SNMP web pro	(Less tha	n 32 characters) Apply	
Parameters setting	Network settings				
Control	HANNO CONTONNAL ACT	Automatically obta	in IP address		
Real-time control		. Use a static IP ad	dress		
System configuration	IP address:	192.168.107.234			
Web	Subnet mask	255 255 255 0			
E-mail SMS	Default gateway:	192.168.102.254			
Wake on LAN	DNS:	0.0.0.0			
Shutdown Event action		Apply			
Scheduled		[[]]			
System time SNMP configuration	Password				
Log	Old password				
Event log	New password.	-	-		
Data log	Confirm password	-	-		
Holp	Containing proceedings	Apply			
Senal Port Debug		( AND			
	Trap IP address				
	Trap IP address Trap IP address 01:	0.0.0.0	Apply	Delete	
		0.0.0.0	Appy	Plainta	

Favorites 🛛 🏫 🗃 Suggested Sites 🔹 SNMP Web Server	a web side damay -					• Page • Safety • T	aak w 🛔
SNMP Web Server				3	1 · DI · D · D	<ul> <li>Page Safety • 1</li> </ul>	0015 7
SNMP Web Pro 1.0						lion Logout Adr	ninstrator
	Trap IP address US	0.0.0.0		мррку	Delete		
Information	Trap IP address 06	0.0.0.0		Apply	Delete		
Basic information	Trap IP address 07:	0.0.0.0		Apply	Delete		
UPS sotting	Trap IP address 08	0.0.0.0		Apply	Delete		
Parameters setting	Trap IP address 09.	0.0.0.0		Apply	Delete		
Control	Trap IP address 10:	0.0.0.0		Apply	Delete		
Real-time control System configuration	Trap IP address 11	0000		Apply	Delete		
Web	Trap IP address 12:	0.0.0.0		Apply	Delete		
E-mail SMS				( COMPANY )	Contraction 1		
Wake on LAN	SNMP server configuration						
Shutdown Event action	SNMP port	161		Apply			
Scheduled	Trap receive port	162		Apply			
System time SNMP configuration	SNMP community string	public		Apply			
Log	Add SNMPV3 user	Add		- moone			
Event log	SNMP server control	Start	Stop		Restart		
Data log	SHMPV3 User Account				10		
Serial Port Debug	User Name	P	ermission		Ор	eration	

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

The system wil default automatically obtain IP addresses. If there is not 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".

- Trap IP address: The SNMP device could provide 12 static trap addresses.
- SNMP server configuration: You may change SNMP port and trap port. You can also add SNMPV3 users by

clicking "Add" button. It will pop up a screen to set up user setting such as security level and permission level. Refer to chart below.

		Trap IP address 05	0.0.0.0		HPPY!	Uerete.		
Information		Trap IP address 05	0.0.0.0		Apply	Delete		
Basic information		Trap IP address 07:	0.0.0.0		Apply	Delete		
UPS setting		Trap IP address 00	0.0.0.0		Apply	Delete		
Parameters setting		Trap IP address 09	0.0.0.0		Apply	Delete		
Control		Trap IP address 10			Apply	Delete		
Real-time control System configuration		Trup IP address 11			Apply	Delete		
Wake on LAN Shutdown Event action Scheduled System time SNMP configuration	LittleP entrest con	Auth Protocol: MD5 Priv Protocol: DES Permission: Read Only	- OK Care	Auth Passw Priv Passw cel Apply				
Event log Data log	SHITPUS User Acc	SNMP server control		Stop		Restart		
Serial Port Debug		User Name	P	ermission			Operation	

• Restore the factory settings

Note: The system will default automatically to obtain IP addresses and default password is 12345678.

### Log

### **Event Log**

In the Event Log page, it lists all history events and can be saved as .csv file. The event log includes UPS warnings, fault info, EMD warnings, UPS operation logs from web users or ViewPower pro users. All logs are recorded in flash memory of web card by month. It's safely recorded without loss even after power failure occurs. It can save up to over 200,000 threads. Select Log >> Event log.

MMP Web Server			å•∞ -	😅 🚔 🔹 Page = 🛛 Safety =   Tools =
NMP Web Pro 1.0			Eventing	Logout Administrator
Information	01 2016 csv - Apply Delet	a		
Status Basic information	ULTURGEN C THEY AND	1		
UPS setting	Time		Event source	Client IP
	01/05/2016 15:36:40	Overload fault	MCU Polling	-
Parameters setting	01/05/2016 15 36 41	Connect to time server error	SNTP	-0
Control	01/05/2016 15:37:44	Setting battery group number	Snmp Client	192.168.103.69
Real-time control	01/05/2016 15:37:45	Setting battery group number	Snmp Client	192 168 103 69
System configuration	01/05/2016 15:37:45	Setting battery group number	Snmp Client	192.168.103.69
Web E-mail	01/05/2016 15:38:26	Setting battery group number	Snmp Client	192 168 105 129
SMS	01/05/2016 15:38:26	Setting battery group number	Snmp Client	192.168.105.129
Wake on LAN	01/05/2016 15:38:26	Setting battery group number	Snmp Client	192 168 105 129
Shutdown Event action	01/05/2016 17:56:11	Setting battery group number	Somp Client	192.168.105.129
Scheduled	01/05/2016 17:56:11	Setting battery group number	Snmp Client	192 168 105 129
System time	01/05/2016 17.56 12	Setting battery group number	Snmp Client	192.168.105.129
SNMP configuration	01/05/2016 18:42:59	System configuration	Web Browser	192.168.107.129
Log	01/05/2016 18:43:04	Connect to time server error	SNTP	
Event log				1
Data log				
Serial Port Debug				
Senal Port Debug				

## Data Log

In the Data Log page, it will list all history logs and can be saved as .csv file. All logs are recorded in flash memory of web card by day. It's safely recorded without loss even after power failure occurs. It can save up to over 200,000 threads. Select Log >> Data log.

P http://192.168.107.234/					• 14 49 × D Ring		
avorites 🛛 🏫 🖗 Suggested Sites	B Web Slice Gallery						
NMP Web Server					位,日	🗟 🔹 🖾 📻 💌 Page	Safety      Tools
NMP Web Pro 1.0					Data	log Logat i	Administrator
Information	01 05 2016 cov • A	Delete			-		
Status	01_05_2016 cov • [6	oppry Delete		12345			
Basic information	Time	Input voltage(V)		Output frequency(Hz)	Lond(%	Battery voltage(V)	Temp.(*C)
UPS setting	01/05/2016 18:56:21	223.1	229.7	50.0	4	41.0	29.0
Parameters setting	01/05/2016 18:57:21	224.4	229.8	50.0	4	41.0	29.3
Control	01/05/2016 18:58:21	223.2	229.8	50.0	3	41.0	29.3
Real-time control	01/05/2016 18:59:21	222.4	229.6	50.0	4	41.0	29.0
System configuration	01/05/2016 19:00:21	222.3	229.5	50.0	4	41.0	29.3
Web E-mail	01/05/2016 19:01:21	224.6	229.7	50.0	4	41.0	29.0
SMS	01/05/2016 19:02:21	224.4	229.8	50.0	5	41.0	29.3
Wake on LAN	01/05/2016 19:03:21	222.7	229.8	50.0	5	41.0	29.0
Shutdown	01/05/2016 19:04:21	223.0	229.5	50.0	4	41.0	29.3
Event action Scheduled	01/05/2016 19 05 21	223.8	229.9	49.9	4	41.0	29.0
System time	01/05/2016 19:06:21	222 1	229.5	50.0	6	41.0	28.9
SNMP configuration	01/05/2016 19:07:21	223.9	229.9	50.0	4	41.0	29.0
Log	01/05/2016 19:08:21	220.9	229.9	49.9	4	41.0	29.0
Event log Data log	01/05/2016 19:09:21	221.5	229.7	49.9	3	41.0	29.0
	01/05/2016 19:10:21	222.0	229.7	50.0	4	41.0	29.0
Help Serial Port Debug	01/05/2016 19:11:21	2217	229.7	50.0	4	41.0	29.0
	01/05/2016 19 12 21	223 3	229 6	50.0	4	41.0	29.0
	01/05/2016 19:13:22	224.1	229.8	50.0	3	41.0	29.0
	01/05/2016 19:14:22	221.4	229.8	49.9	6	41.0	29.0
	01/05/2016 19:15:22	223.8	229.7	49.9	5	41.0	29.0
	01/05/2016 19.16.22	222.4	229.9	49.9	Le.	41.0	29.3

# Help

### **Serial Port Debug**

It's to test communication condition between SNMP card and device. Select Log >> Event log.

Favorites 🛛 🍰 🗃 Suggested Site	s • 😰 Web Slice Galler	•		
SNMP Web Server				age • Safety • Tools •
SNMP Web Pro 1.0			Serial Port Debug	Logout Administrator
Information Status Basic information UPS setting Parameters setting Control Real-time control System confuguration Web E-mail SMS Wales on LAN Shutdown E-went action Scheddied System time SNMP configuration Log E-went log Data log Help Serial Port Debug	Send content Output window		Send	- Ciear