



ServersCheck

Switched & Monitored PDU – Quick Overview

This document is intended to make you familiar with the ServersCheck PDU devices

The ServersCheck PDU is an Internet ready device designed and is equipped with an intelligent current-meter (True RMS) that will indicate the total power consumption of a power strip.

The ServersCheck PDU offers an easy set up and user-friendly communication software. This software provides the function that assistant manager to remotely monitor the multiple PDU power consumption to realize the total current power consumption and utilization for the enterprises.

1. ServersCheck PDU Package content

The standard PDU package contains a Power Distribution Unit with supporting hardware and software. The components of the package are:

- Power Distribution Unit.
- Rack mount Brackets.

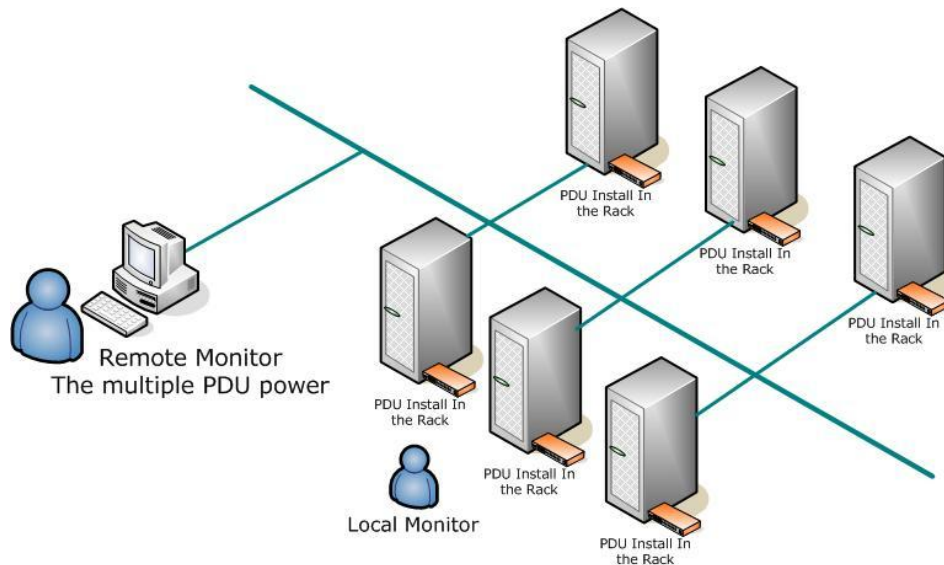
The required software for managing and configuring the PDU can be downloaded from following url:
http://downloads.serverscheck.com/pdu/PDU_ServersCheck.zip

2. Installation

Rack Mount Instructions

- A) Elevated Operating Ambient - If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature specified by the manufacturer.
- B) Reduced Air Flow - Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.
- C) Mechanical Loading - Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.
- D) Circuit Overloading - Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.
- E) Reliable Earthing - Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g. use of power strips)."

Diagram



Hardware

1. Install mounting brackets. The PDU comes with brackets for mounting in a rack. To mount the PDU into a rack performs the following procedure:
 - I. Attach the mounting brackets to the unit, using the four retaining screws provided for each of the brackets.
 - II. Choose a location for the brackets.
 - III. Align the mounting holes of brackets with the notched hole on the vertical rail and attach with the retaining screws.
1. Connect input and output power.
2. Connect Ethernet cable to the PDU.
3. Switch on the PDU.

Note 1 : The default setting for the way to get IP address is DHCP. If PDU can not get the IP from DHCP server, the IP address will stay at 192.168.0.216

Note 2 : TO SETUP THE NETWORK SYSTEM FOR PDU, STRONGLY RECOMMEND TO BUILD UP THE POWER MONITORING NETWORK SYSTEM ISOLATED WITH THE OTHERS, IN ORDER TO KEEP THE STABILITY OF GETTING POWER INFORMATION AND SYSTEM OPERATION.

3. ServersCheck PDU Function (1U unit)

Hardware overview



No.	Functions	Description
1	Ethernet	The Network connection for the built-in web server.
2	Audible Alarm	<p>1. Warning- 1 beep in 1 second</p> <p>2. Overload- 3 beeps in 1 second</p> <p>Note: The audible alarm will not change the beeping status until the current goes down and lower than the setting of warning or overload for 0.5 amps.</p>
3	Function Button	<p>1. Press and release to turn off the warning beeps. Note that overload beeps can not be cancelled.</p> <p>2. Press and hold the key after 2 beeping; it can let the meter to show up the IP address</p> <p>3. Press and hold the key after 4 beeping; it can change the way to get IP by DHCP or Fixed IP.</p> <p>4. Press and hold the key after 6 beeping; the PDU will have a long beeping, and then the PDU configuration will reset back to default setting.</p> <p>Note: Switched PDU series will be rebooted in the same time by pressing and holding the key after 6 beeping.</p>
4	Meter	Display the current or IP Address.
5	LED Indicator	Current: Indicate that Meter display current consumption. IP Address: Indicate that Meter will display IP with four numbers in sequence.
6	Output LED	LED indicator for output power.

Web Interface:

When connection with your browser into the web interface, you get immediately a quick over of the status of the PDU.

Whenever prompted for ID and password, then note that the default ID is **snmp** and the default password is **1234**

System Information	
Model No.	
Name	Amazing
Location	Office
Contact	Admin
Version	v4.02-20081006s08
MAC	00-16-18-75-00-B3
Threshold	
Warning	12.0(A)
Overload	15.0(A)
Status	
Load	0.0(A)
Status	Normal
Index Control Network ID Email Trap	

Status		
Load	0 (A)	
Status	Normal	
Outlet Name	Status	<input type="checkbox"/>
OutletA	ON	<input type="checkbox"/>
OutletB	ON	<input type="checkbox"/>
OutletC	ON	<input type="checkbox"/>
OutletD	ON	<input type="checkbox"/>
OutletE	ON	<input type="checkbox"/>
OutletF	ON	<input type="checkbox"/>
OutletG	ON	<input type="checkbox"/>
OutletH	ON	<input type="checkbox"/>
Control		
ID	<input type="text"/>	
Password	<input type="text"/>	
<input type="button" value="ON"/>		<input type="button" value="OFF"/>

To administrate the different outlets and power cycles, click on the **Control** link

To modify the status, select the outlet you wish to change and then enter the ID and password for the PDU.

Click on the **Network** link to modify the network settings of the PDU. You can give it a fixed IP or use DHCP.

Configuration	
ID	<input type="text"/>
Password	<input type="text"/>
IP Address	192.168.0.216
Subnet Mask	255.255.255.0
Gateway	192.168.0.254
Primary DNS Server IP	192.168.0.254
DHCP	<input type="checkbox"/>
<input type="button" value="Update"/>	

By clicking on the **ID** link you can modify the username and password for the PDU

Change ID Password	
Original ID	<input type="text"/>
Original Password	<input type="text"/>
New ID	<input type="text"/>
New Password	<input type="text"/>
<input type="button" value="Update"/>	