Amazing PDU

User Manual

Table of Contents

1. Introduction

The Amazing 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 Amazing 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.

Function

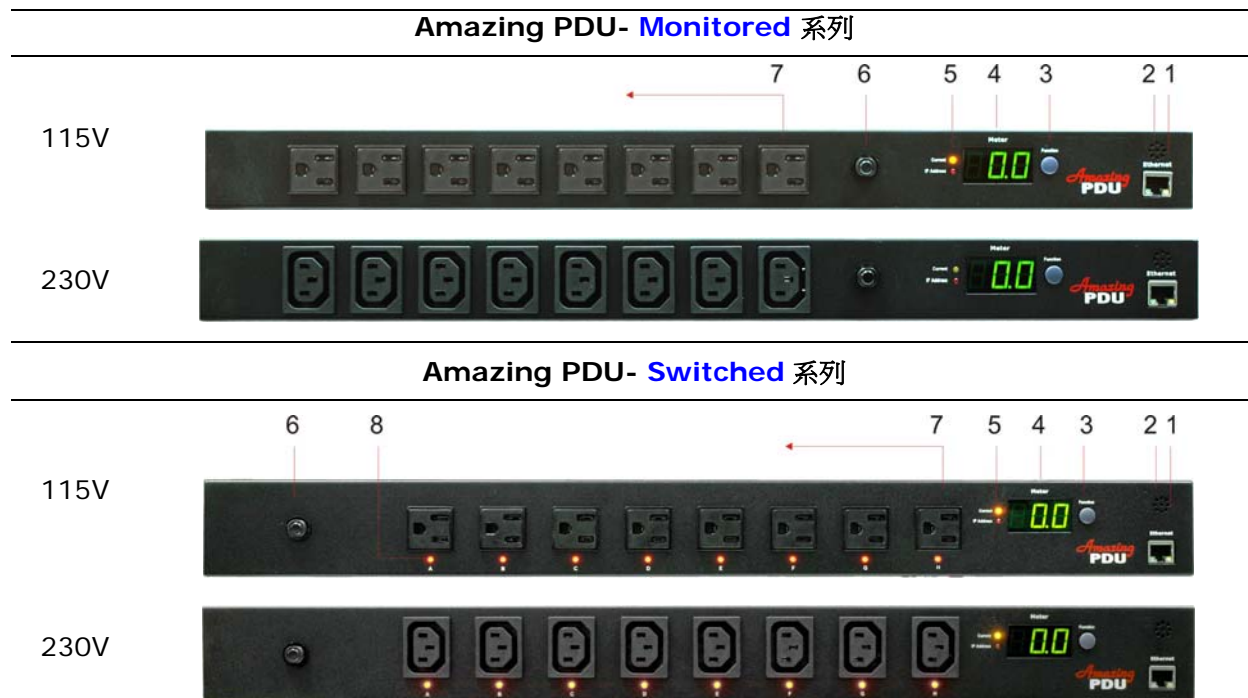| Amazing PDU- Monitored 系列	Amazing PDU- Switched 系列
● Built-in web server, manager can real time to monitoring the current consumption of the power strip.	● Built-in web server, manager can real time to monitoring the current consumption of the power strip.
● Build-in true RMS current meter.	● Build-in true RMS current meter.
● Setup easily, meter can read the IP address directly.	● Setup easily, meter can read the IP address directly.
● Provide audible alarm when the power consumption over the the setting of warning and overload.	● Provide audible alarm when the power consumption over the the setting of warning and overload.
● Send the email and traps when the power consumption exceed the trigger value of warning or overload to the PDU.	● Send the email and traps when the power consumption exceed the trigger value of warning or overload to the PDU.
● Provide utility, it can monitor a large mount of Amazing PDU at the same time.	● Provide utility, it can monitor a large mount of Amazing PDU at the same time.
● Support the SNMP and provide MIB for the PDU to be monitored by NMS.	● Support the SNMP and provide MIB for the PDU to be monitored by NMS.
● Provide power protection by the circuit breaker.	● Provide power protection by the circuit breaker.
● Slim size is suitable for the variety of rack to use.	● Slim size is suitable for the variety of rack to use.
	● Real time to control each outlet of PDU.
	● Indicate each outlet status with LED.
	● Support the power on sequence.

2. Amazing PDU Package

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

- Power Distribution Unit.

- Rack mount Brackets.

- CD-ROM, it contains:

    1. Amazing PDU User Manual.
    2. Smart PDU Utility.
    3. Smart PDU Utility User Manual.
    4. MIB: Management Information Base for Network. (smartpdu.mib)
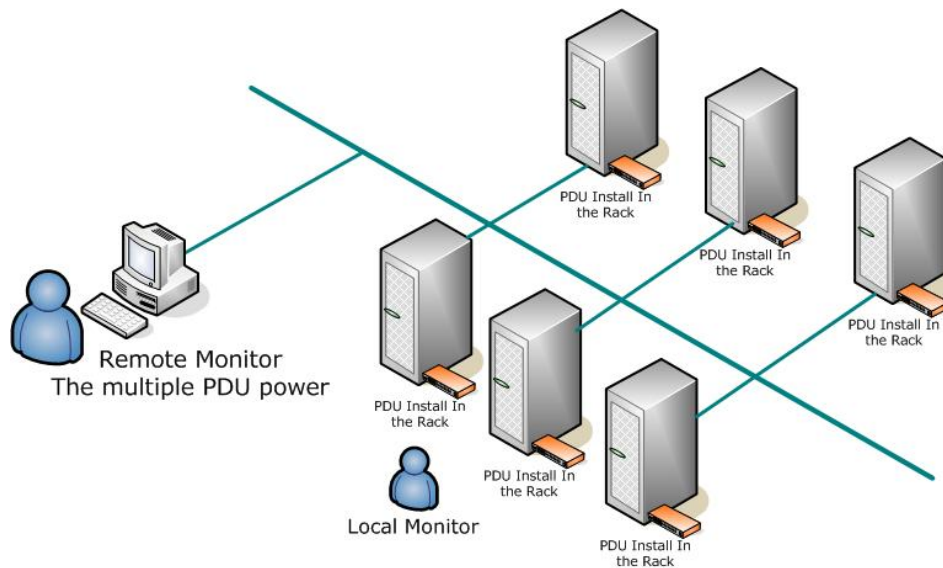   5. Adobe Acrobat Reader.

3. Features

Hardware

Amazing PDU- Monitored 系列

Amazing PDU- Switched 系列

No.	Function	Description
1	**Ethernet**	The Network connection for the built-in web server.
2	**Audible Alarm**	1. **Warning**- 1 beep in 1 second 2. **Overload**- 3 beeps in 1 second **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,**
3	**Function Button**	1. Press and release to turn off the warning beeping. The overload beeping can not be cancelled. 2. **Press and hold the key after 2 beeping; it can let the meter to show up the IP address** 3. Press and hold the key after 6 beeping; it can reset the Ethernet card and will not influence the output. **Note:** Amazing PDU- Switched series will reboot the power in the same time for pressing and holding the key after 6 beeping.
4	**Meter**	Display the current or IP Address.

5	**LED Indicator**	Current	Light on to indicate the power consumption with the True RMS current meter.
		IP Address	Light on to indicate the current IP address.
6	**Circuit Breaker**	Provide protection when power overload.	
7	**Output Outlet**	Provide various models for the outlet number. Please check the specification for the detail information.	
8	**Output LED**	LED indicator for output power.	

4. Installation

This section will instruct you to quickly install the Amazing PDU.

Diagram

Hardware

1. Install mounting brackets.
    The Amazing PDU comes with brackets for mounting in a rack. To mount the Amazing 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.
2. Connect input and output power.
3. Connect Ethernet cable to the Amazing PDU.
4. Switch on the Amazing PDU.

Note :
   The default setting for IP address of the Amazing PDU is "192.168.0.216" .

5. Web Interface

Web:

Provide a quick checking interface for the status of Amazing PDU.

Index:

System Information

Provide the General Information for the Amazing PDU, including:

- Model No.
- Name
- Location
- Contact
- Version
- MAC

Threshold:

- Warning
- Overload

Status:

- Load
- Status

Note: Name, Location, Contact and Threshold can be modified through Amazing PDU Utility or Telnet.

Amazing PDU	
System Information	
Model No.	AMz-1023/SW-08-1
Name	Amazing
Location	Office
Contact	Admin
Version	v1.0-0806s
MAC	00-00-00-00-00-FD
Threshold	
Warning	3 (A)
Overload	5 (A)
Status	
Load	0 (A)
Status	Normal

Note: this web page only support Amazing PDU- Switched series

Control :

Status

1. Indicate the PDU power consumption and status.

2. Select the outlet by check box first and click the on or off button to control the PDU power output.

The default ID is **snmp** and password is **1234.**

	Amazing PDU	
Status		
Load	0 (A)	
Status	Normal	
Outlet Name	**Status**	☐
OutletA	ON	☐
OutletB	ON	☐
OutletC	ON	☐
OutletD	ON	☐
OutletE	ON	☐
OutletF	ON	☐
OutletG	ON	☐
OutletH	ON	☐
Control		
ID		
Password		
[ON]	[OFF]	

Network:

1. Provide the network information for the Amazing PDU.

2. User can change the network setting here.

The default ID is **snmp.**
and password is **1234.**

	Amazing PDU	
Configuration		
ID		
Password		
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	☐	
	[Update]	

ID:

Change the ID and password.

The default ID is **snmp.**
and password is **1234.**

Change ID Password	
Original ID	
Original Password	
New ID	
New Password	
Update	

Email:

1. When the event occurs, Amazing PDU Utility can send out the email message to the pre-defined account.

2. Only support to input the domain name of email server.

3. The message in the email showed as below:

   Subject: AMz Outlet Status Changed.

4. 10101010

   Indicate OutletA~H status in order
   0 : means the power off.
   1 : means the power on.

Email Notification	
Email Server	
Sender's Email	
Authentication	NO
Account Name	
Password	
Recipient's Email	
Email Address	
Apply	

Trap:

Send the event trap to the specific IP to alert manager. Default ID is **snmp**, Password is **1234**.

Trap Notification	
ID	
Password	
Receiver IP	192.168.2.114
Update	

7. Specification

Amazing PDU for America Countries

Monitored PDU

Model No.	Outlet	Capacity	Input	Output	Breaker
115V					
AMz-1511-08-1	8 ports	15A	NEMA 5-15p	NEMA 5-15r	1CB
AMz-1511-16-1	16 ports	15A	NEMA 5-15p	NEMA 5-15r	1CB
AMz-1511-24-1	24 ports	15A	NEMA 5-15p	NEMA 5-15r	1CB
AMz-2011-08-1	8 ports	20A	NEMA 5-20p	NEMA 5-20/15r	1CB
AMz-2011-16-1	16 ports	20A	NEMA 5-20p	NEMA 5-20/15r	1CB
AMz-2011-24-1	24 ports	20A	NEMA 5-20p	NEMA 5-20/15r	1CB
AMz-3011-16-2	16 ports	30A	NEMA L5-30p	NEMA 5-20/15r	2CB
AMz-3011-24-2	24 ports	30A	NEMA L5-30p	NEMA 5-20/15r	2CB
AMz-3011-24-3	24 ports	30A	NEMA L5-30p	NEMA 5-20/15r	3CB
AMz-3011-24-4	24 ports	30A	NEMA L5-30p	NEMA 5-20/15r	4CB
220V					
AMz-3222-16-2	16 ports	30A	NEMA L6-30p	IEC (12)C13r (4)C19r	2CB
AMz-3222-24-2	24 ports	30A	NEMA L6-30p	IEC (20)C13r (4)C19r	2CB
AMz-3222-24-3	24 ports	30A	NEMA L6-30p	IEC (18)C13r (6)C19r	3CB
AMz-3222-24-4	24 ports	30A	NEMA L6-30p	IEC (16)C13r (8)C19r	4CB

Switched PDU

Model No.	Outlet	Capacity	Input	Output	Breaker
115V					
AMz-1511/SW-08-1	8 ports	15A	NEMA 5-15p	NEMA 5-15r	1CB
AMz-1511/SW-16-1	16 ports	15A	NEMA 5-15p	NEMA 5-15r	1CB
AMz-1511/SW-24-1	24 ports	15A	NEMA 5-15p	NEMA 5-15r	1CB
AMz-2011/SW-08-1	8 ports	20A	NEMA 5-20p	NEMA 5-20/15r	1CB
AMz-2011/SW-16-1	16 ports	20A	NEMA 5-20p	NEMA 5-20/15r	1CB
AMz-2011/SW-24-1	24 ports	20A	NEMA 5-20p	NEMA 5-20/15r	1CB
AMz-3011/SW-16-2	16 ports	30A	NEMA L5-30p	NEMA 5-20/15r	2CB
AMz-3011/SW-24-2	24 ports	30A	NEMA L5-30p	NEMA 5-20/15r	2CB
AMz-3011/SW-24-3	24 ports	30A	NEMA L5-30p	NEMA 5-20/15r	3CB
AMz-3011/SW-24-4	24 ports	30A	NEMA L5-30p	NEMA 5-20/15r	4CB
220V					
AMz-3222/SW-16-2	16 ports	30A	NEMA L6-30p	IEC (12)C13r (4)C19r	2CB
AMz-3222/SW-24-2	24 ports	30A	NEMA L6-30p	IEC (20)C13r (4)C19r	2CB
AMz-3222/SW-24-3	24 ports	30A	NEMA L6-30p	IEC (18)C13r (6)C19r	3CB
AMz-3222/SW-24-4	24 ports	30A	NEMA L6-30p	IEC (16)C13r (8)C19r	4CB

Amazing PDU for Worldwide Countries

Monitored PDU

Model No.	Outlet	Capacity	Input	Output	Breaker
230V					
AMz-1023-08-1	8 ports	10A	IEC C14p	IEC C13r	1CB
AMz-1023-16-1	16 ports	10A	IEC C14p	IEC C13r	1CB
AMz-1023-24-1	24 ports	10A	IEC C14p	IEC C13r	1CB
AMz-1623-08-1	8 ports	16A	IEC C20p	IEC (7)C13r (1)C19r	1CB
AMz-1623-16-1	16 ports	16A	IEC C20p	IEC (14)C13r (2)C19r	1CB
AMz-1623-24-1	16 ports	16A	IEC C20p	IEC (20)C13r (4)C19r	1CB
AMz-3223-16-2	16 ports	32A	IEC 309p	IEC (12)C13r (4)C19r	2CB
AMz-3223-24-2	24 ports	32A	IEC 309p	IEC (20)C13r (4)C19r	2CB

AMz-3223-24-3	24 ports	32A	IEC 309p	IEC (18)C13r (6)C19r	3CB
AMz-3223-24-4	24 ports	32A	IEC 309p	IEC (16)C13r (8)C19r	4CB

Switched PDU

Model No.	Outlet	Capacity	Input	Output	Breaker
230V					
AMz-1023/SW-08-1	8 ports	10A	IEC C14p	IEC C13r	1CB
AMz-1023/SW-16-1	16 ports	10A	IEC C14p	IEC C13r	1CB
AMz-1023/SW-24-1	24 ports	10A	IEC C14p	IEC C13r	1CB
AMz-1623/SW-08-1	8 ports	16A	IEC C20p	IEC (7)C13r (1)C19r	1CB
AMz-1623/SW-16-1	16 ports	16A	IEC C20p	IEC (14)C13r (2)C19r	1CB
AMz-1623/SW-24-1	16 ports	16A	IEC C20p	IEC (20)C13r (4)C19r	1CB
AMz-3223/SW-16-2	16 ports	32A	IEC 309p	IEC (12)C13r (4)C19r	2CB
AMz-3223/SW-24-2	24 ports	32A	IEC 309p	IEC (20)C13r (4)C19r	2CB
AMz-3223/SW-24-3	24 ports	32A	IEC 309p	IEC (18)C13r (6)C19r	3CB
AMz-3223/SW-24-4	24 ports	32A	IEC 309p	IEC (16)C13r (8)C19r	4CB

Interface

RJ45	Ethernet
Nominal Input Frequency	47~63 Hz Full Range

LED Indicator

Indicator	(1) yellow LED ; (1) red LED
Current Meter	3 digits
Range	0AMP~20AMP (True RMS)
Resolution	0A~20A: 0.1A
Precision	0A~20A: +/-2%+/-0.1AMP

Alarm

Audible	1. Warning-1 beep in 1 second 2. Overload- 3 beeps in 1 second
Seven Segment	Warning and Overload- Meter will flash once in 1 second

Operation & Environment

Operating Temperature	-5 - 45 degree C
Relative Humidity	0 - 95%
Storage Temperature	-25 - 65 degree C