



Electronic Alliance
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INTELLIGENT PDU



INTRODUCTION.

The INTELLIGET 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 INTELLIGENT 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: DISPLAY

- Build-in web server, manager can real time monitor the current consumption of the power strip.
- Build-in true RMS current meter.
- Setup easily, meter can read the IP address directly.
- Provide audible alarm when the power consumption over 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.
- Provide utility, it can monitor a large mount of INTELLIGENT PDU at the same time.
- Support the SNMP and provide MIB for the PDU to be monitored by NMS.
- Provide power protection by the circuit breaker.
- Slim size is suitable for the variety of rack to use.

Function: SWITCH

- Build-in web server, manager can real time monitor the current consumption of the power strip.
- Build-in true RMS current meter.
- Setup easily, meter can read the IP address directly.
- Provide audible alarm when the power consumption over 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.
- Provide utility, it can monitor a large mount of INTELLIGENT PDU at the same time.
- Support the SNMP and provide MIB for the PDU to be monitored by NMS.
- Provide power protection by the circuit breaker.
- 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.

INTELLIGENT PDU PACKAGE.

The standard INTELLIGENT 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. INTELLIGENT PDU User Manual for Hardware.
 2. INTELLIGENT PDU Utility.
 3. INTELLIGENT PDU Utility User Manual for Software.
 4. MIB: Management Information Base for Network.
 5. Adobe Acrobat Reader.

INTELLIGENT PDU FEATURES.

HARDWARE

INTELLIGENT PDU: MONITORED SERIES



INTELLIGENT PDU: SWITCHED SERIES

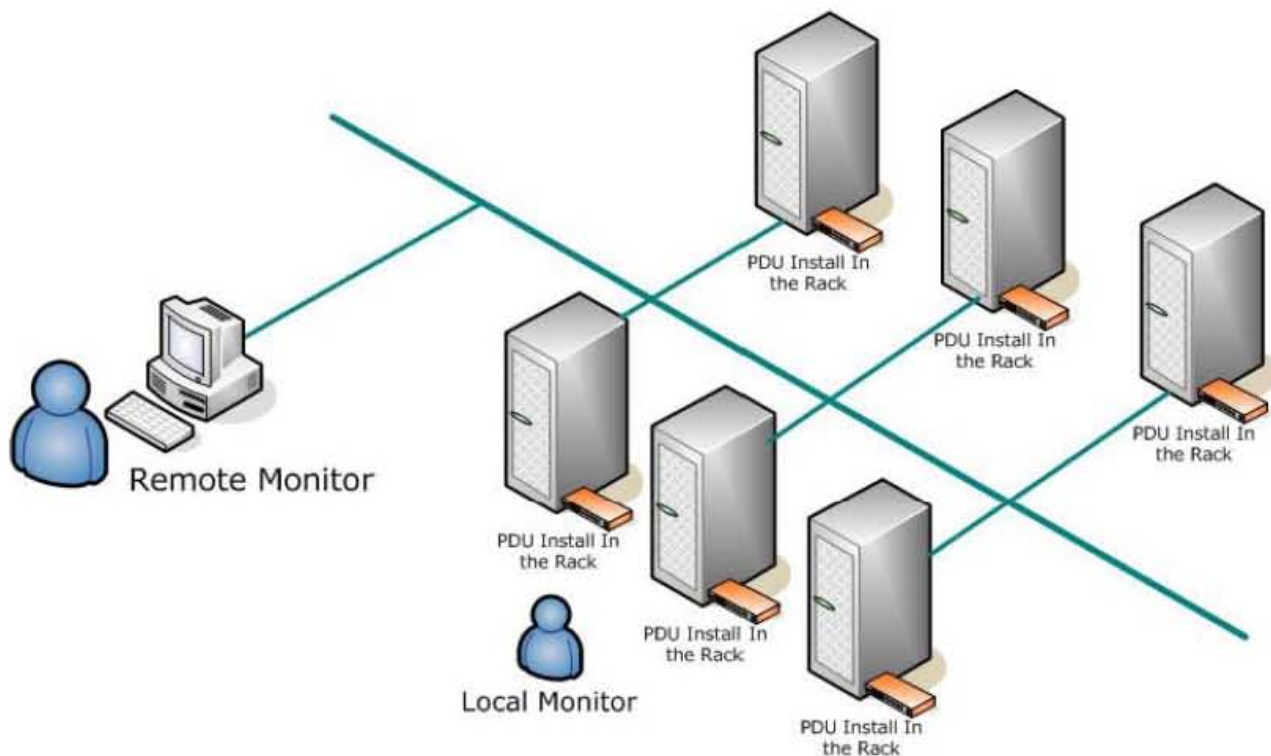


No.	Function	Description
1	Ethernet	The Network connection for the built-in web server, it supports 10M.
2	Audible Alarm	1. Warning- 1 beep in 1 second 2. Overload- 3 beeps in 1 second Note: The audible alarm will not change the beeping status until the current goes down and lower than the setting of warning or overload for 0.5 amps,
3	Function Button	1. Press and release to turn off the warning beeping. The overload beeping cannot 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.

INSTALLATION.

This section will show you to quickly install the INTELLIGENT PDU.

Diagram



Hardware

Install mounting brackets.

The Intelligent PDU comes with brackets for mounting in a rack. To mount the Intelligent PDU into a rack performs the following procedure:

1. Attach the mounting brackets to the unit, using the four retaining screws provided for each of the brackets.
2. Choose a location for the brackets.
3. Align the mounting holes of brackets with the notched hole on the vertical rail and attach with the retaining screws.
4. Connect input and output power.
5. Connect Ethernet cable to the Intelligent PDU.
6. Switch on the Intelligent PDU.

Note :

The default setting for IP address of the INTELLIGENT PDU is "192.168.0.216" .

WEB INTERFACE.

Web:

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

Index:

System Information

Provide the General Information for the INTELLIGENT 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 INTELLIGENT PDU Utility or Telnet.

 INTELLIGENT PDU	
System Information	
Model No.	EAI-1023/SW-08-1
Name	INTELLIGENT
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

WEB INTERFACE.

Note: this web page is only for INTELLIGENT 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**.

INTELLIGENT 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 INTELLIGENT PDU.

2. User can change the network setting here.

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

INTELLIGENT 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**.

The default password is **1234**.

INTELLIGENT PDU	
Change ID Password	
Original ID	
Original Password	
New ID	
New Password	
Update	

WEB INTERFACE.

Email:

1. When the event occurs, INTELLIGENT 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: INTELLIGENT OUTLET STATUS CHANGE

00100110

4. Indicate Outlet A~H status in Order

0 : means the power off.

1 : means the power on.

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

Trap:

Send the event trap to the specific IP to alert the manager.

Default ID is **snmp**, Password is **1234**.

INTELLIGENT PDU	
Trap Notification	
ID	
Password	
Receiver IP	192.168.2.114
Update	

SPECIFICATIONS.

INTELLIGENT PDU for Worldwide Countries

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

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

SPECIFICATIONS.

INTELLIGENT PDU for America Countries

Display PDU	115V				
Model No.	Outlet	Capacity	Input	Output	Breaker
EAI-1511-08-1	8 ports	15A	NEMA 5-15p	NEMA 5-15r	1CB
EAI-1511-16-1	16 ports	15A	NEMA 5-15p	NEMA 5-15r	1CB
EAI-1511-24-1	24 ports	15A	NEMA 5-15p	NEMA 5-15r	1CB
EAI-2011-08-1	8 ports	20A	NEMA 5-20p	NEMA 5-20/15r	1CB
EAI-2011-16-1	16 ports	20A	NEMA 5-20p	NEMA 5-20/15r	1CB
EAI-2011-24-1	24 ports	20A	NEMA 5-20p	NEMA 5-20/15r	1CB
EAI-3011-16-2	16 ports	30A	NEMA L5-30p	NEMA 5-20/15r	2CB
EAI-3011-24-2	24 ports	30A	NEMA L5-30p	NEMA 5-20/15r	2CB
EAI-3011-24-3	24 ports	30A	NEMA L5-30p	NEMA 5-20/15r	3CB
EAI-3011-24-4	24 ports	30A	NEMA L5-30p	NEMA 5-20/15r	4CB

Display PDU	220V				
Model No.	Outlet	Capacity	Input	Output	Breaker
EAI-3222-16-2	16 ports	30A	NEMA L6-30p	IEC (12)C13r (4)C19r	2CB
EAI-3222-24-2	24 ports	30A	NEMA L6-30p	IEC (20)C13r (4)C19r	2CB
EAI-3222-24-3	24 ports	30A	NEMA L6-30p	IEC (18)C13r (6)C19r	3CB
EAI-3222-24-4	24 ports	30A	NEMA L6-30p	IEC (16)C13r (8)C19r	4CB

Switch PDU	115V				
Model No.	Outlet	Capacity	Input	Output	Breaker
EAI-1511/SW-08-1	8 ports	15A	NEMA 5-15p	NEMA 5-15r	1CB
EAI-1511/SW-16-1	16 ports	15A	NEMA 5-15p	NEMA 5-15r	1CB
EAI-1511/SW-24-1	24 ports	15A	NEMA 5-15p	NEMA 5-15r	1CB
EAI-2011/SW-08-1	8 ports	20A	NEMA 5-20p	NEMA 5-20/15r	1CB
EAI-2011/SW-16-1	16 ports	20A	NEMA 5-20p	NEMA 5-20/15r	1CB
EAI-2011/SW-24-1	24 ports	20A	NEMA 5-20p	NEMA 5-20/15r	1CB
EAI-3011/SW-16-2	16 ports	30A	NEMA L5-30p	NEMA 5-20/15r	2CB
EAI-3011/SW-24-2	24 ports	30A	NEMA L5-30p	NEMA 5-20/15r	2CB
EAI-3011/SW-24-3	24 ports	30A	NEMA L5-30p	NEMA 5-20/15r	3CB
EAI-3011/SW-24-4	24 ports	30A	NEMA L5-30p	NEMA 5-20/15r	4CB

Switch PDU	115V				
Model No.	Outlet	Capacity	Input	Output	Breaker
EAI-3222/SW-16-2	16 ports	30A	NEMA L6-30p	IEC (12)C13r (4)C19r	2CB
EAI-3222/SW-24-2	24 ports	30A	NEMA L6-30p	IEC (20)C13r (4)C19r	2CB
EAI-3222/SW-24-3	24 ports	30A	NEMA L6-30p	IEC (18)C13r (6)C19r	3CB
EAI-3222/SW-24-4	24 ports	30A	NEMA L6-30p	IEC (16)C13r (8)C19r	4CB

SPECIFICATIONS.

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