

CATALOGUE OF INTELLIGENT POWER DISTRIBUTION UNITS



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1. INTRODUCTION

The Intelligent 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.

Some of the main functions:

- **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 amount 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.**

2. INTELLIGENT PDU FUNCTIONS COMPARISON

Monitored PDU



Monitored PDU allows an administrator to monitor PDU power consumption information from a remote terminal and interface. This can be helpful if a remote machine has gone into a power overload state and an administrator can handle immediately to avoid power disaster.

Managed PDU



Managed PDU allows an administrator to access the PDU from a remote terminal and interface with it to turn on or off outlets and control load by web and SNMP. This can be helpful if a remote machine has gone into an unresponsive state and cannot be restarted through normal means. An administrator can connect to the PDU the machine is plugged into to power cycle the machine.

Managed POM PDU



POM can monitor power consumption on every outlet through web and local current meter. It also allows an administrator to access the PDU from a remote terminal and interface with it to turn on or off outlets and control load by web and SNMP. This can be helpful if a remote machine has gone into an unresponsive state and cannot be restarted through normal means. An administrator can connect to the PDU the machine is plugged into to power cycle the machine.

Enhanced Monitored PDU

Enhanced Managed PDU

Enhanced Managed Per-Outlet-Monitored PDU

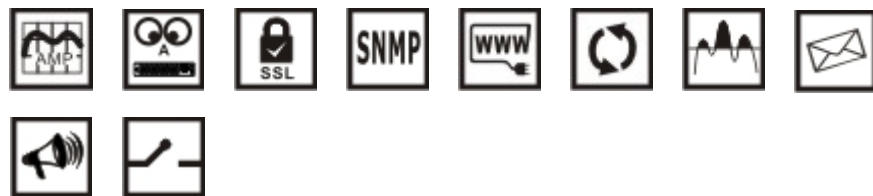
Enhanced PDUs provide advanced and various power information, including voltage, current, frequency, power factor, VA and kWh. The design is identical to above mentioned types. They also provide carbon emission data and energy costs estimation for reference.

INTELLIGENT PDU FUNCTIONS:

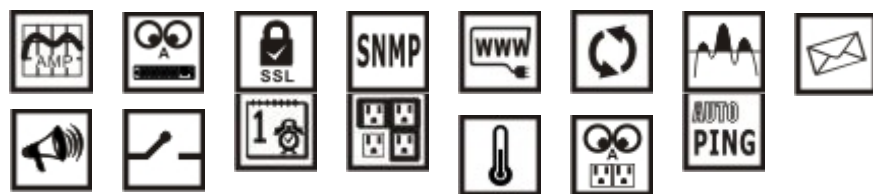
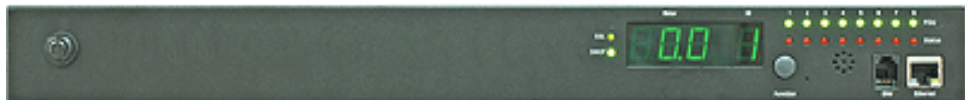
Monitored PDU



Managed PDU



Managed POM PDU



INTELLIGENT PDU FUNCTIONS NOMENCLATURE



Overload Protection



True-RMS Current meter



Audible alarm



Alarm Threshold Configurable



Notification by Email/Trap



Schedule Control



Power Delay Configurable



Optional Temp sensor



SNMP Support



Auto Reboot locked equipment by ping IP



SSL Secure



Remote Power Control



Per Outlet Monitoring



Total Power Monitoring



Group Outlet control

3. INTELLIGENT PDU PACKAGE

The standard Intelligent Switch 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.

4. INTELLIGENT PDU FEATURES

HARDWARE

INTELLIGENT PDU

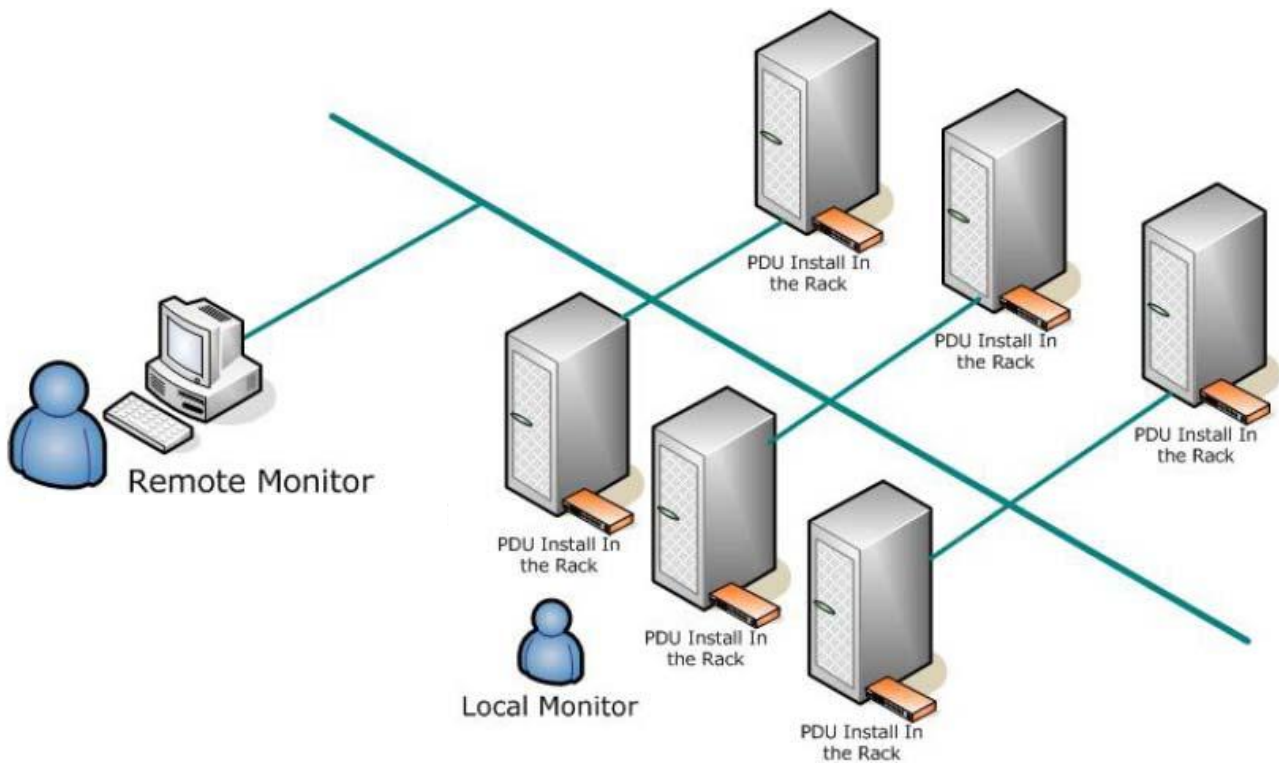


No.	Function	Description
1	Ethernet	The Network connection for the built-in web server, it supports 10M.
2	Audible Alarm	<ol style="list-style-type: none"> 1. Warning- 1 beep in 1 second 2. Overload- 3 beeps in 1 second <p>Note: The audible alarm will not change the beeping status until the current goes down and lower than the setting of warning or overload for 0.5 amps,</p>
3	Function Button	<ol style="list-style-type: none"> 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. <p>Note: PDU- Managed series will reboot the power in the same time for pressing and holding the key after 6 beeping.</p>
4	Meter	Display the current or IP Address.
5	LED Indicator	<p>Current Light on to indicate the power consumption</p> <p>True RMS current meter.</p> <p>IP Address Light on to indicate the current IP address.</p>
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.

5. INSTALATION

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

Diagram



Hardware

Install mounting brackets.

The Intelligent Switch PDU comes with brackets for mounting in a rack. To mount the Intelligent Switch 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".

6. WEB INTERFACE

Web:

Provide a quick checking inter- face 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.

The screenshot displays the CONTEG web interface. At the top, the CONTEG logo is visible with the tagline "to complete your network". Below the logo, the status is shown as "Total load: 0.0 A , Status: Normal". The interface is divided into several sections:

- Information:** Includes links for "PDU" and "System".
- Control:** Includes a link for "Outlet".
- Configuration:** Includes links for "PDU", "Threshold", "User", "Network", "Mail", "SNMP", and "SSL".

On the right side, there is a form with the following fields:

- Model No.:** IP-DMA-021C33C916
- Firmware Version:** s4.82-091002-1cb24s
- MAC Address:** 00:16:18:77:0D:D3
- System Name:** ePDU
- System Contact:** Admin
- Location:** Office

An "Apply" button is located at the bottom right of the configuration section.

Note: this web page is only for IN-TELLIGENT PDU- Managed 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**.

Total load: 0.0 A , Status: Normal

Information	PDU	Status	<input type="checkbox"/>
	OutletA	ON	<input type="checkbox"/>
PDU	OutletB	ON	<input type="checkbox"/>
	OutletC	ON	<input type="checkbox"/>
System	OutletD	ON	<input type="checkbox"/>
	OutletE	ON	<input type="checkbox"/>
Control	OutletF	ON	<input type="checkbox"/>
	OutletG	ON	<input type="checkbox"/>
Outlet	OutletH	ON	<input type="checkbox"/>
	OutletI	ON	<input type="checkbox"/>
Configuration	OutletJ	ON	<input type="checkbox"/>
	OutletK	ON	<input type="checkbox"/>
PDU	OutletL	ON	<input type="checkbox"/>
Threshold	OutletM	ON	<input type="checkbox"/>
User	OutletN	ON	<input type="checkbox"/>
Network	OutletO	ON	<input type="checkbox"/>
Mail	OutletP	ON	<input type="checkbox"/>
SNMP	OutletQ	ON	<input type="checkbox"/>
SSL	OutletR	ON	<input type="checkbox"/>
	OutletS	ON	<input type="checkbox"/>
	OutletT	ON	<input type="checkbox"/>
	OutletU	ON	<input type="checkbox"/>
	OutletV	ON	<input type="checkbox"/>
	OutletW	ON	<input type="checkbox"/>
	OutletX	ON	<input type="checkbox"/>

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**.

Total load: 0.0 A , Status: Normal

Information	IP Address
PDU	Host Name: DIGIBOARD
System	IP Address: 192.168.161.128
Control	Subnet Mask: 255.255.255.0
Outlet	Gateway: 192.168.161.250
Configuration	<input type="checkbox"/> Enable DHCP
PDU	DNS Server IP
Threshold	Primary DNS IP: 192.168.161.5
User	Secondary DNS IP: 192.168.98.43
Network	<input type="button" value="Apply"/>
Mail	
SNMP	
SSL	

USER:

Change the ID and password. The default ID is

snmp.

The default password is **1234.**

CONTEG[®]
to complete your network

Total load: 0.0 A , Status: Normal

Information

- [PDU](#)
- [System](#)

Control

- [Outlet](#)

Configuration

- [PDU](#)
- [Threshold](#)

User

- [Network](#)
- [Mail](#)
- [SNMP](#)
- [SSL](#)

Original

ID

Password

New

ID

Password

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. Indicates Outlet A~H status in Order

0 : means the power off.

1 : means the power on.

CONTEG[®]
to complete your network

Total load: 0.0 A , Status: Normal

Information

- [PDU](#)
- [System](#)

Control

- [Outlet](#)

Configuration

- [PDU](#)
- [Threshold](#)
- [User](#)
- [Network](#)

Mail

- [SNMP](#)
- [SSL](#)

Email Setting

Email Server

Sender's Email

Recipient's Email Address

Email Address

Trap:

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

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

CONTEG[®]
to complete your network

Total load: 0.0 A , Status: Normal

Information

- [PDU](#)
- [System](#)

Control

- [Outlet](#)

Configuration

- [PDU](#)
- [Threshold](#)
- [User](#)
- [Network](#)
- [Mail](#)

SNMP

- [SSL](#)

Trap Notification

Receiver IP

Community

Read **public**

Write

7. INTERFACE

Hardware



Current Meter



Audible Alarm

Hardware

MAC	00:16:18:7
Status	
Temperature	+22.3
Humidity	79 %
PDU1	8.8 A No
PDU2	0.0 A No
PDU3	0.0 A No

[Index](#) [Control](#) [Network Config](#)

Power Monitor via Web

Status	Outlet Name	Status	Outlet
ON	Switch42	ON	Sw
ON	Switch82	ON	Sw
ON	SwitchC2	ON	Sw
ON	SwitchD2	ON	Sw
ON	SwitchE2	ON	Sw
ON	SwitchF2	ON	Sw
ON	SwitchG2	ON	Sw
ON	SwitchH2	ON	Sw

ON OFF

Power Control via Web

Email Notification	
Email Server	mail.you
Sender's Email	sender@
Authentication	
Account Name	
Password	

Email Alert via Web

Trap Notification	
	192.168.0.1
<input type="button" value="Apply"/>	
Control Network Config ID Em	

SNMP Trap via Web

Utility Program

Device	Data Management
[-] ✓ All Devices	
[-] ✓ 192.168.0.193	
[-] ✓ group	
[-] ✓ 192.168.0.193	
[-] ✓ PDU-01	

Group Management

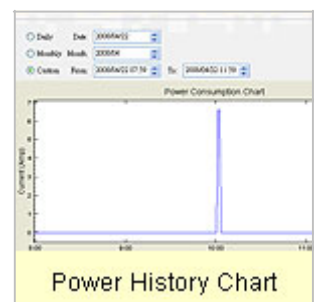
Device Summary	
✘ Critical:	0
⚠ Warning:	0
❓ Unreachable:	0
✓ Normal:	1

[Service Status](#) [Start](#)

Graphic Summary

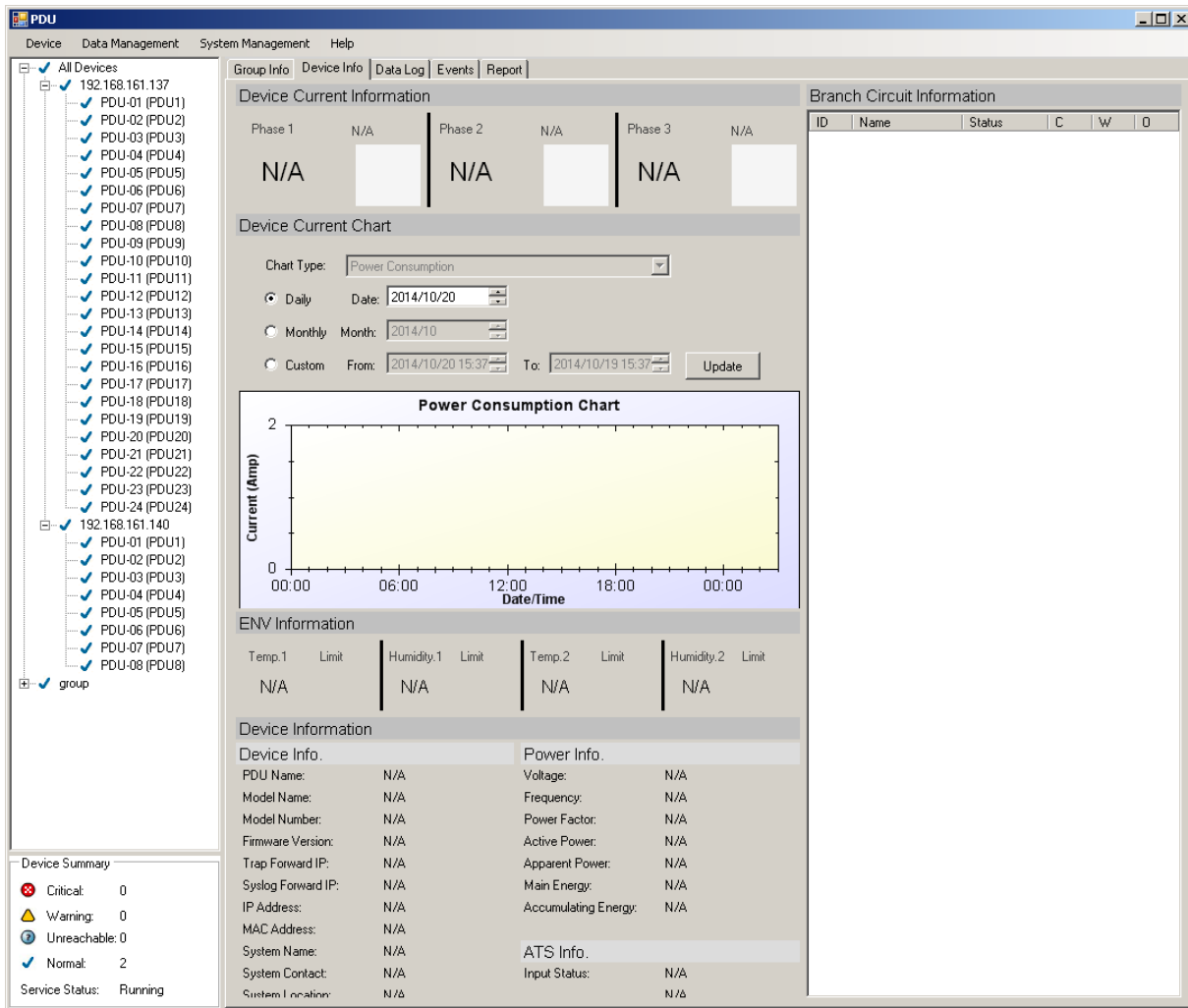
Info	Device Info	PDU Info	Data Log	Events
hostname: 192.168.0.193 (PDU-01)				
Monthly	Month:	2007/12		
Custom	From:	2007/12/27	To:	
Hostname	IP	Date		
	192.168.0.193	2007		

Event and Data Log



Power History Chart

Dashboard screenshot of the enhanced managed PDU:



COMPATIBILITY:

The software is tested on Windows XP, 2003, Vista, Win7 and Win2008.

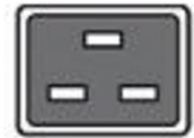
Last SW Release which suitable also for enhanced PDU models is available at: <http://download.conteg.cz/PDU-CD-bkp.rar>

Software can monitor at least 255 monitored PDUs. Managed PDUs can be also monitored but using PDU Utility program you only can see current but you can't switch the PDU outlets on/off. One subnet can control at least 255 units (we haven't tried more).

MIB file for integration into 3rd party SW is provided on accompanying CD. Note that the main purpose of delivered SW "PDU Basic Utility" is to show the PDU possibilities.

8. INTELLIGENT POWER DISTRIBUTION UNITS - MONITORED MODELS

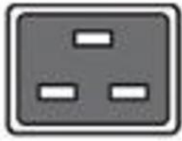
8.1 MONITORED PDU MODEL: IP-DMI-008C300016



INLET C20

Features	
Current Meter	Digital True RMS Current Meter
Power Monitor	Total Power Monitoring by Meter, Web, SNMP, Free Bundle Software
Protocols	Http, Https, SNMP, DHCP, UDP
Alarm Thresholds	User-Defined Alarm Thresholds for Warning and Overload
Event Alert	Email, Trap, Audible Alarm
Specification	
General	
Output	(8) IEC 320 C13
Input	(1) IEC 320 C20 inlet (without input power cord)
Protection	(1) 16 AMP Circuit Breaker
Communication	
IP Address	(1) Yellow LED
PDU Status	(1) Green LED
Network	(1) RJ45 for Ethernet
Current	3 Digits Meter
	Range: 0A ~ 20 A
	Resolution: 0.1A
	Precision: +/-2%/+/-0.1AMP
Operation	
Nominal Voltage	230V
Voltage	200V~ 240V full range
Frequency	50/60Hz full range
Max. Output Current	16A (total); Each Outlet 10A
Temperature	0 ~ 40 Celsius degree
Humidity	0% ~ 90%
Size	90 x 432 x 44 mm
Weight	1.5 kg

8.2 MONITORED PDU MODEL: IP-DMI-021C33C916



INLET C20

Features	
Current Meter	Digital True RMS Current Meter
Power Monitor	Total Power Monitoring by Meter, Web, SNMP, Free Bundle Software
Protocols	Http, Https, SNMP, DHCP, UDP
Alarm Thresholds	User-Defined Alarm Thresholds for Warning and Overload
Event Alert	Email, Trap, Audible Alarm
Specification	
General	
Output	(21) IEC 320 C13
	(3) IEC 320 C19
Input	(1) IEC 320 C20 inlet (without input power cord)
Protection	(1) 16 AMP Circuit Breaker
Communication	
IP Address	(1) Yellow LED
PDU Status	(1) Green LED
Network	(1) RJ45 for Ethernet
Current	3 Digits Meter
	Range: 0A ~ 20 A
	Resolution: 0.1A
	Precision: +/-2%+/-0.1AMP
Operation	
Nominal Voltage	230V
Voltage	200V~ 240V full range
Frequency	50/60Hz full range
Max. Output Current	16 Amp
Temperature	0 ~ 40 Celsius degree
Humidity	0% ~ 90%
Size	56 x 1645 x44 mm
Weight	3.3 kg



8.3 MONITORED PDU MODEL: IP-DMI-314C32C932



INPUT



Features	
Current Meter	Digital True RMS Current Meter
Power Monitor	Total Power Monitoring by Meter, Web, SNMP, Free Bundle Software
Protocols	Http, Https, SNMP, DHCP, UDP
Alarm Thresholds	User-Defined Alarm Thresholds for Warning and Overload
Temp./Humidity	Option Accessory
Event Alert	Email, Trap, Audible Alarm
Specification	
General	
Output	(14) IEC320 C13
	(2) IEC 320 C19
Input	(1) IEC 309 (32A) attached power cord, 3 meters long
Protection	(2) 16 AMP Circuit Breaker
Communication	
IP Address	(1) Yellow LED
PDU Status	(1) Green LED
Network	(1) RJ45 for Ethernet
Current	3 Digits Meter
	Range: 0A ~ 20 A
	Resolution: 0.1A
	Precision: +/-2%+/-0.1AMP
Operation	
Nominal Voltage	230V
Voltage	200V~ 240V full range
Frequency	50/60Hz full range
Max. Output Current	32A (total); Each Bank 16A
Temperature	0 ~ 40 Celsius degree
Humidity	0% ~ 90%
Size	56 x 1245 x44 mm
Weight	3.8 kg

8.4 MONITORED PDU MODEL: IP-DMI-321C33C932



INPUT



Features	
Current Meter	Digital True RMS Current Meter
Power Monitor	Total Power Monitoring by Meter, Web, SNMP, Free Bundle Software
Protocols	Http, Https, SNMP, DHCP, UDP
Alarm Thresholds	User-Defined Alarm Thresholds for Warning and Overload
Temp./Humidity	Option Accessory
Event Alert	Email, Trap, Audible Alarm
Specification	
General	
Output	(21) IEC 320 C13
	(3) IEC 320 C19
Input	(1) IEC 309 (32A) attached power cord, 3 meters long
Protection	(3) 16 AMP Circuit Breaker
Communication	
IP Address	(1) Yellow LED
PDU Status	(1) Green LED
Network	(1) RJ45 for Ethernet
Current	3 Digits Meter
	Range: 0A ~ 20 A
	Resolution: 0.1A
	Precision: +/-2%+/-0.1AMP
Operation	
Nominal Voltage	230V
Voltage	200V~ 240V full range
Frequency	50/60Hz full range
Max. Output Current	32A (total); Each Bank 16A
Temperature	0 ~ 40 Celsius degree
Humidity	0% ~ 90%
Size	56 x 1645 x44 mm
Weight	5.0 kg

8.5 3-PHASE MONITORED PDU MODEL: IP-DMI-321C33C911



INPUT



Features	
Current Meter	Digital True RMS Current Meter
Power Monitor	Total Power Monitoring by Meter, Web, SNMP, Free Bundle Software
Protocols	Http, Https, SNMP, DHCP, UDP
Alarm Thresholds	User-Defined Alarm Thresholds for Warning and Overload
Temp./Humidity	Option Accessory
Event Alert	E-mail, Trap, Audible Alarm
Specification	
General	
Output	(21) IEC320 C13 (3) IEC320 C19
Input	(1) IEC 309 (3x16A); attached power cord 3 meters long
Protection	(3) 16 Amp single-pole Circuit Breaker
Communication	
SSL Indication	(1) Yellow LED
DHCP Indication	(1) Green LED
Circuit Status	(3) Red LED
Network	(1) RJ45 for Ethernet
Temp./Humidity	(1) RJ11 for ENV probe connection
PDU ID	1 Digit Seven Segments for PDU Identification
Current Meter	3 Digits Seven Segments for True RMS Meter Range: 0A ~ 20 A Resolution: 0.1A Precision: +/-2% +/-0.1AMP
Operation	
Nominal Voltage	400V AC, 3-Phase 3P+N+PE
Voltage	230V
Frequency	50/60Hz full range
Load capacity	11.1kVA
Max. Input Current	16A per phase
Max. Output Current (outlet)	IEC 320 C13: 10A IEC 320 C19: 16A
Max. Output Current (Bank)	16A (1 Bank per phase)
Temperature	0 ~ 40 Celsius degree
Humidity	0% ~ 90%
Size	56 x 1778 x 44 mm
Weight	4.8 kg

8.6 3-PHASE MONITORED PDU MODEL: IP-DMI-318C36C922



INPUT

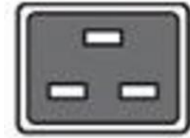


Features	
Current Meter	Digital True RMS Current Meter
Power Monitor	Total Power Monitoring by Meter, Web, SNMP, Free Bundle Software
Protocols	Http, Https, SNMP, DHCP, UDP
Alarm Thresholds	User-Defined Alarm Thresholds for Warning and Overload
Temp./Humidity	Option Accessory
Event Alert	E-mail, Trap, Audible Alarm
Specification	
General	
Output	(18) IEC 320 C13
	(6) IEC 320 C19
Input	(1) IEC 309 (3x32A); attached power cord 3 meters long
Protection	(6) 16 Amp single-pole Circuit Breaker
Communication	
SSL Indication	(1) Yellow LED
DHCP Indication	(1) Green LED
Circuit Status	(6) Red LED
Network	(1) RJ45 for Ethernet
Temp./Humidity	(1) RJ11 for ENV probe connection
PDU ID	1 Digit Seven Segments for PDU Identification
Current Meter	3 Digits Seven Segments for True RMS Meter
	Range: 0A ~ 20 A
	Resolution: 0.1A
	Precision: +/-2% +/-0.1AMP
Operation	
Nominal Voltage	400V AC, 3-Phase 3P+N+PE
Voltage	230V
Frequency	50/60Hz full range
Load capacity	22kVA
Max. Input Current	32A per phase
Max. Output Current (outlet)	IEC 320 C13: 10A
	IEC 320 C19: 16A
Max. Output Current (Bank)	16A (2 Banks per phase)
Temperature	0 ~ 40 Celsius degree
Humidity	0% ~ 90%
Size	80 x 1778 x 44 mm
Weight	7.3 kg

8.7 ENHANCED MONITORED PDU MODEL: IP-DEI-008C300016



INLET C20



Features	
Meter	True RMS Current Meter, Voltage, Frequency, Power Factor, Active Power, Apparent Power, Total kWh, Sub-total kWh.
Power Monitor	Total Power Monitoring by Meter, Web, SNMP, Free Bundle Software
Protocols	Http, Https, SNMP, DHCP, UDP
Alarm Thresholds	User-Defined Alarm Thresholds for Warning and Overload
Temp./Humidity	Option Accessory
Event Alert	Email, Trap, Audible Alarm
Specification	
General	
Output	(8) IEC 320 C13
Input	(1) IEC 320 C20 Inlet; (without input power cord)
Protection	(1) 16 AMP Circuit Breaker
Communication	
SSL Indication	(1) Yellow LED
DHCP Indication	(1) Green LED
Output Status	(8) Green LED
Circuit Status	(1) Red LED
Network	(1) RJ45 for Ethernet
Temp./Humidity	(1) RJ11 for ENV probe connection
PDU ID	1 Digit Seven Segments for PDU Identification
Meter	3 Digits Seven Segments
Power Information	
Voltage	+/- 2% @ 90V~260V
Active Power	+/- 2% @ 50W~5000W
Apparent Power	+/- 2% @ 50VA~5000VA
Frequency	+/- 2% @ 45~65Hz
Power Factor	+/- 0.02 @ 0.5~1.0
kWh	Range: 0.001kWh ~ 99999.999kWh Precision: +/-2% @ 50W~5000W, kh=1.0
Current	Range: 0A ~ 20 A Resolution: 0.1A Precision: +/-2%/+/-0.1AMP
Operation	
Nominal Input Voltage	230V
Output Voltage	200V~ 240V full range
Frequency	50/60Hz full range
Max. Output Current	16 Amp
Temperature	0 ~ 40 Celsius degree
Humidity	0% ~ 90%
Size	125 x 432 x 44 mm
Weight	2.0 kg

8.8 ENHANCED MONITORED PDU MODEL: IP-DEI-321C33C932



INPUT



Features	
Meter	True RMS Current Meter, Voltage, Frequency, Power Factor, Active Power, Apparent Power, Total kWh, Sub-total kWh.
Power Monitor	Total Power Monitoring by Meter, Web, SNMP, Free Bundle Software
Protocols	Http, Https, SNMP, DHCP, UDP
Alarm Thresholds	User-Defined Alarm Thresholds for Warning and Overload
Temp./Humidity	Option Accessory
Event Alert	Email, Trap, Audible Alarm
Specification	
General	
Output	(21) IEC 320 C13 (3) IEC 320 C19
Input	(1) IEC 309 attached power cord, 3 meters long
Protection	(3) 16 AMP Circuit Breaker
Communication	
SSL Indication	(1) Yellow LED
DHCP Indication	(1) Green LED
Output Status	(3) Green LED
Circuit Status	(1) Red LED
Network	(1) RJ45 for Ethernet
Temp./Humidity	(1) RJ11 for ENV probe connection
PDU ID	1 Digit Seven Segments for PDU Identification
Meter	3 Digits Seven Segments
Power Information	
Voltage	+/- 2% @ 90V~260V
Active Power	+/- 2% @ 50W~5000W
Apparent Power	+/- 2% @ 50VA~5000VA
Frequency	+/- 2% @ 45~65Hz
Power Factor	+/- 0.02 @ 0.5~1.0
kWh	Range: 0.001kWh ~ 99999.999kWh Precision: +/-2% @ 50W~5000W, kh=1.0
Current	Range: 0A ~ 20 A Resolution: 0.1A Precision: +/-2%/+/-0.1AMP
Operation	
Nominal Input Voltage	230V
Output Voltage	200V~ 240V full range
Frequency	50/60Hz full range
Max. Output Current	32A (total); Each Bank 16A; Each Outlet 10A (C13) or 16A (C19)
Temperature	0 ~ 40 Celsius degree
Humidity	0% ~ 90%
Size	1778 x 56 x 44 mm
Weight	4.0 kg

9. INTELLIGENT POWER DISTRIBUTION UNITS - MANAGED MODELS

9.1 MANAGED Per Outlet Monitored PDU MODEL: IP-DMA-008C3POM16

INLET C20



Features	
Current Meter	Digital True RMS Current Meter
Power Monitor	Per Outlet Output Power and Total Power Monitoring by Meter, Web, SNMP, Free Bundle Software
Protocols	Http, Https, SNMP, DHCP, UDP
Outlet Control	Individual, Group, Schedule, Auto Ping
Power Delay	Power On/Off Sequence can be Defined
Alarm Thresholds	User-Defined Alarm Thresholds for Warning and Overload
Temp./Humidity	Option Accessory
Event Alert	Email, Trap, Audible Alarm
Specification	
General	
Output	(8) IEC 320 C13
Input	(1) IEC 320 C20 Inlet; without input power cord)
Protection	(1) 16 AMP Circuit Breaker
Communication	
SSL Indication	(1) Yellow LED
DHCP Indication	(1) Green LED
PDU Power Status	(8) Green LED
Circuit Status	(8) Red LED
Network	(1) RJ45 for Ethernet
Temp./Humidity Monitor	(1) RJ11 for ENV probe connection
PDU ID	1 Digit Seven Segments for PDU Identification
Current	3 Digits Seven Segments for True RMS Meter
	Range: 0A ~ 20 A
	Resolution: 0.1A
	Precision: +/-2%+/-0.1AMP
Operation	
Nominal Input Voltage	230V
Output Voltage	200V~ 240V full range
Frequency	50/60Hz full range
Max. Output Current	16A (total); Each Outlet 10A
Temperature	0 ~ 40 Celsius degree
Humidity	0% ~ 90%
Size	160 x 432 x 44 mm
Net Weight	2.9 kg

9.2 MANAGED Per Outlet Monitored PDU MODEL: IP-DMA-308C9POM32



INPUT

Features	
Current Meter	Digital True RMS Current Meter
Power Monitor	Per Outlet Output Power and Total Power Monitoring by Meter, Web, SNMP, Free Bundle Software
Protocols	Http, Https, SNMP, DHCP, UDP
Outlet Control	Individual, Group, Schedule, Auto Ping
Power Delay	Power On/Off Sequence can be Defined
Alarm Thresholds	User-Defined Alarm Thresholds for Warning and Overload
Temp./Humidity	Option Accessory
Event Alert	Email, Trap, Audible Alarm
Specification	
General	
Output	(8) IEC 320 C19
Input	(1) IEC 309 Power cord 3 Meters long (undetachable)
Protection	(2) 16 AMP Circuit Breaker
Communication	
SSL Indication	(1) Yellow LED
DHCP Indication	(1) Green LED
PDU Power Status	(8) Green LED
Circuit Status	(8) Red LED
Network	(1) RJ45 for Ethernet
Temp./Humidity Monitor	(1) RJ11 for ENV probe connection
PDU ID	1 Digit Seven Segments for PDU Identification
Current	3 Digits Seven Segments for True RMS Meter
	Range: 0A ~ 20 A
	Resolution: 0.1A Precision: +/-2%/+/-0.1AMP
Operation	
Nominal Input Voltage	230V
Output Voltage	200V~ 240V full range
Frequency	50/60Hz full range
Max. Output Current	32 Amp (total); Each Bank 16A; Each Outlet 16A
Temperature	0 ~ 40 Celsius degree
Humidity	0% ~ 90%
Size	160 x 432 x 44 mm
Net Weight	4.2 kg

9.3 ENHANCED MANAGED Per Outlet Monitored PDU MODEL: IP-DEA-308C9POM32

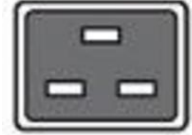


Features	
Meter	True RMS Current Meter, Voltage, Frequency, Power Factor, Active Power, Apparent Power, Total kWh, Sub-total kWh.
Power Monitor	Per Outlet Output Power and Total Power Monitoring by Meter, Web, SNMP, Free Bundle Software
Protocols	Http, Https, SNMP, DHCP, UDP
Outlet Control	Individual, Group, Schedule, Auto Ping
Power Delay	Power On/Off Sequence can be Defined
Alarm Thresholds	User-Defined Alarm Thresholds for Warning and Overload
Temp./Humidity	Option Accessory
Event Alert	Email, Trap, Audible Alarm
Specification	
General	
Output	(8) IEC 320 C19
Input	(1) IEC 309 Power cord 3 Meters long (attached)
Protection	(2) 16 AMP Circuit Breaker
Communication	
SSL Indication	(1) Yellow LED
DHCP Indication	(1) Green LED
PDU Power Status	(8) Green LED
Circuit Status	(8) Red LED
Network	(1) RJ45 for Ethernet
Temp./Humidity Monitor	(1) RJ11 for ENV probe connection
PDU ID	1 Digit Seven Segments for PDU Identification
Meter	3 Digits Seven Segments
Power Information	
Voltage	+/- 2% @ 90V~260V
Active Power	+/- 2% @ 50W~5000W
Apparent Power	+/- 2% @ 50VA~5000VA
Frequency	+/- 2% @ 45~65Hz
Power Factor	+/- 0.02 @ 0.5~1.0
kWh	Range: 0.001kWh ~ 99999.999kWh Precision: +/-2% @ 50W~5000W, kh=1.0
Current	Range: 0A ~ 20 A Resolution: 0.1A Precision: +/-2%/+/-0.1AMP
Operation	
Nominal Input Voltage	230V
Output Voltage	200V~ 240V full range
Frequency	50/60Hz full range
Max. Output Current	32 Amp (total); Each Bank 16A; Each Outlet 16A
Temperature	0 ~ 40 Celsius degree
Humidity	0% ~ 90%
Size	215 x 432 x 44 mm
Net Weight	4.0 kg

9.4 MANAGED PDU MODEL: IP-DMA-008C300016

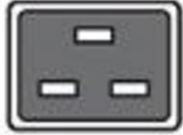


INLET C20



Features	
Current Meter	Digital True RMS Current Meter
Power Monitor	Total Power Monitoring by Meter, Web, SNMP, Free Bundle Software
Protocols	Http, Https, SNMP, DHCP, UDP
Outlet Control	Individual Outlet Control
Power Delay	Power On/Off Sequence can be Defined
Alarm Thresholds	User-Defined Alarm Thresholds for Warning and Overload
Event Alert	Email, Trap, Audible Alarm
Specification	
General	
Output	(8) IEC 320 C13
Input	(1) IEC 320 C20 Inlet; (without input power cord)
Protection	(1) 16 AMP Circuit Breaker
Communication	
IP Address	(1) Yellow LED
PDU Status	(1) Green LED
Power Status	(8) Green LED
Network	(1) RJ45 for Ethernet
Current	3 Digits Seven Segments for True RMS Meter
	Range: 0A ~ 20 A
	Resolution: 0.1A
	Precision: +/-2%/+/-0.1AMP
Operation	
Nominal Voltage	230V
Voltage	200V~ 240V full range
Frequency	50/60Hz full range
Max. Output Current	16 Amp (total); Each Outlet 10A
Temperature	0 ~ 40 Celsius degree
Humidity	0% ~ 90%
Size	90 x 432 x 44 mm
Weight	1.1 kg

9.5 MANAGED PDU MODEL: IP-DMA-021C33C916



INLET C20

Features	
Current Meter	Digital True RMS Current Meter
Power Monitor	Total Power Monitoring by Meter, Web, SNMP, Free Bundle Software
Protocols	Http, Https, SNMP, DHCP, UDP
Outlet Control	Individual Outlet Control
Power Delay	Power On/Off Sequence can be Defined
Alarm Thresholds	User-Defined Alarm Thresholds for Warning and Overload
Event Alert	Email, Trap, Audible Alarm
Specification	
General	
Output	(21) IEC 320 C13 (3) IEC 320 C19
Input	(1) IEC 320 C20 Inlet; (without input power cord)
Protection	(1) 16 AMP Circuit Breaker
Communication	
IP Address	(1) Yellow LED
PDU Status	(1) Green LED
Power Status	(16) Red LED
Network	(1) RJ45 for Ethernet
Current	3 Digits Seven Segments for True RMS Meter Range: 0A ~ 20 A Resolution: 0.1A Precision: +/-2%+/-0.1AMP
Operation	
Nominal Voltage	230V
Voltage	200V~ 240V full range
Frequency	50/60Hz full range
Max. Output Current	16 Amp
Temperature	0 ~ 40 Celsius degree
Humidity	0% ~ 90%
Size	56 x 1778 x 44 mm
Weight	4.7 kg



9.6 MANAGED PDU MODEL: IP-DMA-314C32C932



INPUT



Features	
Current Meter	Digital True RMS Current Meter
Power Monitor	Total Power Monitoring by Meter, Web, SNMP, Free Bundle Software
Protocols	Http, Https, SNMP, DHCP, UDP
Outlet Control	Individual Outlet Control
Power Delay	Power On/Off Sequence can be Defined
Alarm Thresholds	User-Defined Alarm Thresholds for Warning and Overload
Temp./Humidity	Option Accessory
Event Alert	Email, Trap, Audible Alarm
Specification	
General	
Output	(14) IEC 320 C13 (2) IEC 320 C19
Input	(1) IEC 309 (32A) attached power cord, 3 meters long
Protection	(2) 16 AMP Circuit Breaker
Communication	
IP Address	(1) Yellow LED
Current Status	(1) Green LED
PDU Status	(2) Green LED
Power Status	(16) Green LED
Network	(1) RJ45 for Ethernet
Temp./Humidity	(1) RJ11 for ENV probe connection
PDU ID	1 Digit Seven Segments for PDU Identification
Current	3 Digits Seven Segments for True RMS Meter
	Range: 0A ~ 20 A
	Resolution: 0.1A
	Precision: +/-2%/+/-0.1AMP
Operation	
Nominal Voltage	230V
Voltage	200V~ 240V full range
Frequency	50/60Hz full range
Max. Output Current	32 Amp (total); Per Bank 16Amp
Temperature	0 ~ 40 Celsius degree
Humidity	0% ~ 90%
Size	56 x 1245 x 44 mm
Weight	4.2kg

9.7 MANAGED PDU MODEL: IP-DMA-321C33C932



INPUT



Features	
Current Meter	Digital True RMS Current Meter
Power Monitor	Total Power Monitoring by Meter, Web, SNMP, Free Bundle Software
Protocols	Http, Https, SNMP, DHCP, UDP
Outlet Control	Individual Outlet Control
Power Delay	Power On/Off Sequence can be Defined
Alarm Thresholds	User-Defined Alarm Thresholds for Warning and Overload
Temp./Humidity	Option Accessory
Event Alert	Email, Trap, Audible Alarm
Specification	
General	
Output	(21) IEC 320 C13
	(3) IEC 320 C19
Input	(1) IEC 309 (32A); attached power cord, 3 meters long
Protection	(3) 16 AMP Circuit Breaker
Communication	
IP Address	(1) Yellow LED
Current Status	(1) Green LED
PDU Status	(3) Green LED
Power Status	(24) Green LED
Network	(1) RJ45 for Ethernet
Temp./Humidity	(1) RJ11 for ENV probe connection
PDU ID	1 Digit Seven Segments for PDU Identification
Current	3 Digits Seven Segments for True RMS Meter
	Range: 0A ~ 20 A
	Resolution: 0.1A
	Precision: +/-2%+/-0.1AMP
Operation	
Nominal Voltage	230V
Voltage	200V~ 240V full range
Frequency	50/60Hz full range
Max. Output Current	32 Amp (total); Per Bank 16Amp
Temperature	0 ~ 40 Celsius degree
Humidity	0% ~ 90%
Size	56 x 1778 x 44 mm
Weight	7.2 kg

9.8 3-PHASE MANAGED PDU MODEL: IP-DMA-321C33C911



INPUT



Features	
Current Meter	Digital True RMS Current Meter
Power Monitor	Total Power Monitoring by Meter, Web, SNMP, Free Bundle Software
Protocols	Http, Https, SNMP, DHCP, UDP
Outlet Control	Individual Outlet Control
Alarm Thresholds	User-Defined Alarm Thresholds for Warning and Overload
Temp./Humidity	Option Accessory
Event Alert	Email, Trap, Audible Alarm
Specification	
General	
Output	(21) IEC320 C13 (3) IEC320 C19
Input	(1) IEC 309 (3x16A); attached power cord 3 meters long
Protection	(3) 16 Amp single-pole Circuit Breaker
Communication	
SSL Indication	(1) Yellow LED
DHCP Indication	(1) Green LED
Circuit Status	(3) Red LED
Output Status	(24) Green LED
Network	(1) RJ45 for Ethernet
Temp./Humidity	(1) RJ11 for ENV probe connection
PDU ID	1 Digit Seven Segments for PDU Identification
Current Meter	3 Digits Seven Segments for True RMS Meter
	Range: 0A ~ 20 A
	Resolution: 0.1A
	Precision: +/-2% +/-0.1AMP
Operation	
Nominal Voltage	400V AC, 3-Phase 3P+N+PE
Voltage	230V
Frequency	50/60Hz full range
Load capacity	11.1kVA
Max. Input Current	16A per phase
Max. Output Current (outlet)	IEC 320 C13: 10A IEC 320 C19: 16A
Max. Output Current (Bank)	16 A (1 Bank per phase)
Temperature	0 ~ 40 Celsius degree
Humidity	0% ~ 90%
Size	56 x 1778 x 44 mm
Weight	8.0 kg

9.9 3-PHASE MANAGED PDU MODEL: IP-DMA-318C36C922



INPUT



Features	
Current Meter	Digital True RMS Current Meter
Power Monitor	Remote Total Power Monitoring by Meter, Web, SNMP, Free Bundle Software
Protocols	Http, Https, SNMP, DHCP, UDP
Outlet Control	Individual Outlet Control
Alarm Thresholds	User-Defined Alarm Thresholds for Warning and Overload
Temp./Humidity	Option Accessory
Event Alert	Email, Trap, Audible Alarm
Specification	
General	
Output	(18) IEC 320 C13
	(6) IEC 320 C19
Input	(1) IEC 309 (3x32A); attached power cord 3 meters long
Protection	(6) 16 Amp single-pole Circuit Breaker
Communication	
SSL Indication	(1) Yellow LED
DHCP Indication	(1) Green LED
Circuit Status	(6) Red LED
Output Status	(24) Green LED
Network	(1) RJ45 for Ethernet
Temp./Humidity	(1) RJ11 for ENV probe connection
PDU ID	1 Digit Seven Segments for PDU Identification
Current Meter	3 Digits Seven Segments for True RMS Meter
	Range: 0A ~ 20 A
	Resolution: 0.1A
	Precision: +/-2% +/-0.1AMP
Operation	
Nominal Voltage	400V AC, 3-Phase 3P+N+PE
Voltage	230V
Frequency	50/60Hz full range
Load capacity	22kVA
Max. Input Current	32A per phase
Max. Output Current (outlet)	IEC 320 C13: 10A
	IEC 320 C19: 16A
Max. Output Current (Bank)	16A (2 Banks per phase)
Temperature	0 ~ 40 Celsius degree
Humidity	0% ~ 90%
Size	80 x 1778 x 44 mm
Weight	7.3 kg

9.10 ENHANCED MANAGED PDU MODEL: IP-DEA-008C30016



Features	
Meter	True RMS Current Meter, Voltage, Frequency, Power Factor, Active Power, Apparent Power, Total kWh, Sub-total kWh.
Power Monitor	Per Outlet Output Power and Total Power Monitoring by Meter, Web, SNMP, Free Bundle Software
Protocols	Http, Https, SNMP, DHCP, UDP
Outlet Control	Individual, Group, Schedule, Auto Ping
Power Delay	Power On/Off Sequence can be Defined
Alarm Thresholds	User-Defined Alarm Thresholds for Warning and Overload
Temp./Humidity	Option Accessory
Event Alert	Email, Trap, Audible Alarm
Specification	
General	
Output	(8) IEC 320 C13
Input	(1) IEC 320 C20 Inlet; (without input power cord)
Protection	(1) 16 AMP Circuit Breaker
Communication	
SSL Indication	(1) Yellow LED
DHCP Indication	(1) Green LED
PDU Power Status	(8) Green LED
Circuit Status	(8) Red LED
Network	(1) RJ45 for Ethernet
Temp./Humidity Monitor	(1) RJ11 for ENV probe connection
PDU ID	1 Digit Seven Segments for PDU Identification
Meter	3 Digits Seven Segments
Power Information	
Voltage	+/- 2% @ 90V~260V
Active Power	+/- 2% @ 50W~5000W
Apparent Power	+/- 2% @ 50VA~5000VA
Frequency	+/- 2% @ 45~65Hz
Power Factor	+/- 0.02 @ 0.5~1.0
kWh	Range: 0.001kWh ~ 99999.999kWh Precision: +/-2% @ 50W~5000W, kh=1.0
Current	Range: 0A ~ 20 A Resolution: 0.1A Precision: +/-2%/+/-0.1AMP
Operation	
Nominal Input Voltage	230V
Output Voltage	200V~ 240V full range
Frequency	50/60Hz full range
Max. Output Current	16 Amp (total); Each Outlet 10Amp
Temperature	0 ~ 40 Celsius degree
Humidity	0% ~ 90%
Size	215 x 432 x 44 mm
Net Weight	2.0 kg

9.11 ENHANCED MANAGED PDU MODEL: IP-DEA-314C32C932



INPUT



Features	
Meter	True RMS Current Meter, Voltage, Frequency, Power Factor, Active Power, Apparent Power, Total kWh, Sub-total kWh.
Power Monitor	Total Power Monitoring by Meter, Web, SNMP, Free Bundle Software
Protocols	Http, Https, SNMP, DHCP, UDP
Outlet Control	Individual, Group, Schedule, Auto Ping
Power Delay	Power On/Off Sequence can be Defined
Alarm Thresholds	User-Defined Alarm Thresholds for Warning and Overload
Temp./Humidity	Option Accessory
Event Alert	Email, Trap, Audible Alarm
Specification	
General	
Output	(14) IEC 320 C13 (2) IEC 320 C19
Input	(1) IEC 309 (32A) attached power cord, 3 meters long
Protection	(2) 16 AMP Circuit Breaker
Communication	
IP Address	(1) Yellow LED
Current Status	(1) Green LED
PDU Status	(2) Green LED
Output Status	(16) Green LED
Circuit Status	(1) Red LED
Network	(1) RJ45 for Ethernet
Temp./Humidity	(1) RJ11 for ENV probe connection
PDU ID	1 Digit Seven Segments for PDU Identification
Meter	3 Digits Seven Segments
Power Information	
Voltage	+/- 2% @ 90V~260V
Active Power	+/- 2% @ 50W~5000W
Apparent Power	+/- 2% @ 50VA~5000VA
Frequency	+/- 2% @ 45~65Hz
Power Factor	+/- 0.02 @ 0.5~1.0
kWh	Range: 0.001kWh ~ 99999.999kWh Precision: +/-2% @ 50W~5000W, kh=1.0
Current	Range: 0A ~ 20 A Resolution: 0.1A Precision: +/-2%/+/-0.1AMP
Operation	
Nominal Voltage	230V
Voltage	200V~ 240V full range
Frequency	50/60Hz full range
Max. Output Current	32 Amp (total); Per Bank 16Amp
Temperature	0 ~ 40 Celsius degree
Humidity	0% ~ 90%
Size	56 x 1245 x 44 mm
Weight	4.4 kg



9.12 TEMPERATURE / HUMIDITY SENSOR: IP-D-PDU-SENSOR

OPTIONAL ACCESSORY FOR MODELS WITH ENV INPUT (RJ-11 socket)

THE DATA SHEETS OF THESE MODELS ARE MARKED BY FOLLOWING PICTURE:



Features	
To be plugged in the CONTEG Intelligent PDU device, provide the network environment temperature and humidity information to user.	
Specification	
Hardware	
External Interface	1 x RJ11 ; 1.8m
Temperature	
Measurement range	0~125°C
Resolution	0.5°C
Accuracy +25°C	1°C
Humidity	
Measurement range	5~95%
Resolution	1 RH
Accuracy +25°C	5%
Response Time (90%) +25°C	1 minutes
Operation	
Supply Voltage	2V~10V
Temperature	0 - 50 Degree C
Size L X W X H	65x47x26 mm
Weight	100 g

**2014 New PDU Specifications
(new NIC)**

Function	Monitored IP-DMI 1/3 phase	Managed IP-DMA 1/3 phase	Per Outlet Monitored (POM)	Enhanced IP-DEI, IP-DEA and enhanced POM	Enhanced POM with 16 and 24 outlets
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New!!

Functions	Monitored, 1/3 phase	Switched, 1/3 phase	POM	kWh			kWh
Description	Remote Monitor	Remote Switch	Per Outlet Monitor	POM+KWH	SWH+KWH	MTH+kWH	POM+KWH Up to 16 and 24 ports
Voltage (V)				Yes	Yes	Yes	Yes
Energy (kWh)				Yes	Yes	Yes	Yes
True RMS Current Meter	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Total Power Monitoring (PDU/CB)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Individual Outlet Monitoring			Yes	Yes			Yes
Outlet Control via Ethernet		Yes	Yes	Yes	Yes		Yes
Outlet Group Control		Yes *	Yes	Yes	Yes		Yes
Schedule Control		Yes *	Yes	Yes	Yes		Yes
Ping Response Action		Yes *	Yes	Yes	Yes		Yes
User-Defined On/Off Sequence		Yes	Yes	Yes	Yes		Yes
User Account	One	One	One	One	One	One	Multiple
HTTPS	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNMP v1	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DHCP/SMTP/NTP/UDP	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Local Meter Display IP Address	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Threshold Configurable	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Event Alert via Audible(Current, Temp/Humidity)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Event Alert via Mail/Trap (Current, Temp/Humidity)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Temp./Humidity Probe Connectivity	Yes *		Yes	Yes	Yes	Yes	Yes
Memorize Previous Outlet Power Status	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Circuit Breaker Protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Management Software	Free	Free	Free	Free	Free	Free	Free
Telnet/ SSH communication in standard features							Yes
upgrade the firmware							Yes
SNMP v2 and v3							Yes
event logging in the PDU memory							Yes
built in temperature sensors required + external sensor	1 external Seneor	1 external Seneor	1 external Seneor	1 external Seneor	1 external Seneor	1 external Seneor	2 external sensor
settable tresholds for temperature / humidity sensors	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Three hierarchical access management							Yes
Multiple Users Management							Yes
Daisy chaining ability							No
Compatibility with InfraStruxure (APC)							No
IP filter for web access security							Yes
*Capacity for 30/32Amp							

2014 New PDU Specifications (new NIC)

Hardware Features

1. True RMS Current Metering.
2. Per Outlet Current Monitoring
3. Optional Probe.
4. Circuit Breaker Protection.
5. Event Audible Alarm.
6. Local LED Displays Amps, IP Address, Temperature and Humidity.
7. Threshold Sensing for Current, Temperature and Humidity.
8. Memorize Previous Outlet Power Status
9. Various Input Cable Styles Available - Order Separately
10. Free Bundle Management Utility to be able to monitor multiple PDUs

Firmware Features

1. 10/100 Base-T Ethernet Port
2. IPv4/IPv6 Support
3. SNMP Control (v1,v2c,v3)
4. SSHv2 Encryption
5. Alarm Notification via Email, SNMP, Syslog, text message, LED or audible alarm
6. NTP
7. Radius Authentication
8. SSL Web Browser (Https) for Set Up and Operation
9. IP Address Filtering
10. Export Data via CSV
11. Ping-No-Answer Alarm
12. Invalid Access Lockout Alarm
13. Alarm Notification via Email, SNMP, SYSLOG
14. Alarm, Command, Access Audit, Current, Humidity and Temperature Logging
15. Remote firmware upgradeable
16. Multiple Users Management Account
17. Power Control by Web, SNMP, CLI (managed PDUs only).
18. Power On/OFF Sequence Time Configurable (managed PDUs only).
19. Individual & Group Outlet Power Switching (managed PDUs only).
20. Power Management through Schedule, Ping Answer and Event (managed PDUs only).
21. Alarm Threshold Management.

Monitored PDUs that are available for projects only, MOQ 30 pcs. !!

BOLD TEXT = PDUs with new NIC

IP-DMI-014C32C916	Monitored Rack PDU, 0U, 16A, outlets (14)C13 and (2)C19, input C20, without input cord
IP-DMI-333C36C932	Monitored PDU, 0U, outlets (33)C13 and (6)C19, input plug IEC309 (32A), cord 3m
IP-DMI-336C36C911	Monitored PDU, 11kW, 0U, outlets (36)C13 and (6)C19, input plug IEC309 (3x 16A), cord 3m
IP-DMI-014C32C9POM16	Monitored PDU, 0U, 16 ports Per Outlet Monitored, 16A 230V IEC320 C20 Input, (14)C13 (2)C19, (1)Breaker (1)RJ45 (1)RJ11; without input cord; Current draw metering per outlet
IP-DMI-314C32C9POM32	Monitored PDU, 0U, 16 ports Per Outlet Monitored, 32A 230V, power cord 3m with plug EN 60309, (14)C13 and (2)C19, (2)Breaker; (1)RJ45, (1)RJ11; Current draw metering per outlet
IP-DMI-321C33C9POM32-O	Monitored PDU, 0U, 24 ports Per Outlet Monitored, 32A 230V IEC309, power cord 3m, (21)C13 (3)C19, (3)Breakers (1)RJ45 (1)RJ11
IP-DMI-321C33C9POM32	Monitored Rack PDU-POM, 0U, 7.2kW, outlets (21)C13 and (3)C19, input plug IEC309, (32A), cord 3m
IP-DMI-333C312C922	Monitored Rack PDU, 0U, 22kW, outlets (33)C13 and (12)C19, input plug IEC309, (3x32A), cord 3m
IP-DEI-024C300016-EX	Enhanced Monitored Rack kWh PDU, 0U, 3.6kW, outlets (24)C13, input inlet C20 (1x16A), without input cord
IP-DEI-321C33C932-EX	Enhanced Monitored Rack kWh PDU, 0U, 7.2kW, outlets (21)C13 and (3)C19, input plug IEC309 (1x32A), cord 3m
IP-DEI-321C33C911-EX	Enhanced Monitored Rack kWh PDU, 0U, 11kW, outlets (21)C13 and (3)C19, input plug IEC309 (3x16A), cord 3m
IP-DEI-318C36C922-EX	Enhanced Monitored Rack kWh PDU, 0U, 22kW, outlets (18)C13 and (6)C19, input plug IEC309 (3x32A), cord 3m
IP-DEI-008C3POM16-STD	Enhanced Monitored Rack kWh PDU, 19"/1U, Per-Outlet-Monitored, outlets (8)C13, inlet C20, without input cord; new NIC
IP-DEI-008C3POM16-EX	Enhanced Monitored Rack kWh PDU, 19"/1U, Per-Outlet-Monitored, outlets (8)C13, inlet C20, without input cord; new NIC
IP-DEI-321C33C9POM11	Enhanced Monitored kWh PDU, 0U, 11kW, outlets (21)C13 and (3)C19, Per Outlet Monitored, input plug EN 60309 (3x16A), cord 3m

Individual datasheets of the above mentioned PDUs are available on request.

Managed PDUs that are available for projects only, MOQ 30 pcs. !!

BOLD TEXT = PDUs with new NIC

IP-DMA-008C3POM16-STD	Managed Rack PDU-POM, 1U, 16A, 230V, outlets (8)C13, input C20, without input cord; new NIC
IP-DEA-314C32C9POM32-O	Managed Enhanced PDU, 0U, 16 ports Per Outlet Monitored, 32A 230V EN 60309, 3m, (14)C13 and (2)C19
IP-DEA-321C33C9POM32-O	Managed Enhanced PDU, 0U, 24 ports Per Outlet Monitored, 32A 230V EN 60309, 3m, (21)C13 and (3)C19
IP-DEA-008C3POM16-STD	Managed kWh Rack PDU-POM, 1U, 16A, 230V, outlets (8)C13, input C20, without input cord; new NIC
IP-DEA-314C32C9POM32	Managed Enhanced PDU, 0U, 16 ports Per Outlet Monitored, 32A 230V EN 60309, 3m, (14)C13 and (2)C19 - new NIC
IP-DEA-321C33C9POM32	Managed Enhanced PDU, 0U, 24 ports Per Outlet Monitored, 32A 230V EN 60309, 3m, (21)C13 and (3)C19 - new NIC
IP-DEA-321C33C9POM11	Enhanced Managed Rack kWh PDU, 0U, Per-Outlet-Monitored, 11kW, outlets (21)C13 and (3)C19, plug EN 60309 (3x16A), cord 3m
IP-DEA-318C33C93SHPOM11	Enhanced Managed Rack kWh PDU, 0U, Per-Outlet-Monitored, 11kW, outlets (18)C13 and (3)C19 and (3) Schuko, input plug IEC 309 (3x16A), cord 3m
IP-DEA-318C36C9POM22	Enhanced Managed Rack kWh PDU, 0U, Per-Outlet-Monitored, 22kW, outlets (18)C13 and (6)C19, plug EN 60309 (3x32A), cord 3m

Individual datasheets of the above mentioned PDUs are available on request.