Model Name:

Intelligent Integrated Environment Manager

Intelligent Integrated Environment Manager provides remote manual control of the critical devices by clicking on a few buttons on the smart phone or computer webpage. Stop the problem device by cutting off the power to a specific outlet. By cycling the power off and restarting the device remotely, you save time and money by eliminating the need to send technicians to the root cause of the problem.

The manager provides DIDO function. Users can remotely connect any type of sensor, including smoke detection, water detection, flow detection, access control, proximity switches and other sensors to determine the environmental status. When the status changes, set event alarms and notify managers via e-mail and SNMP TRAP, so that managers can respond to crises in the shortest time to minimize disasters.

The manager also has a temperature and humidity sensor interface, which can add a set of sensors to track temperature and humidity data.

Provide management software, which can manage a large number of environmental managers at the same time, store data in the database, and provide historical curve charts for reference.

Features:

System Function:

- Embedded system:
  Support 10/100M Ethernet interface, provides webpage and SNMP remote management.
- Multiple protocols:
  Support ICMP, ARP, IP, TCP, UDP, DHCP, HTTP, HTTPS, FTP, NTP, SNMP v1/2/3, TLS1.3, IPv4 and IPv6, Telnet, SSHv2
- Management Account Certification:
  Radius certification support.
- Multi-account management:
  Multi-group account management system. And provide three-tier permission management.
- IP filtering:
  Support IP filtering, improve network security mechanisms.
- Power record:
  Store up to 100000 power and event data.
- Remote firmware upgrade:
  Provides remote firmware upgrade mechanism.
- System operation message:
  Send the normal operation of the message automatically by trap.
- Hardware key definition:
  User-definable button function.
- Temperature unit conversion:
  Temperature units can choose Celsius or Fahrenheit
- System configuration restore:
  Support the output of the system settings, to easily deploy a large amount of the same model of DEVICE.
- Multilingual Support:
  Support Chinese, English, French, German, Spanish, Russian, Czech, Arabian, Persian.

Power Management:

Remote Monitor

Remote monitoring device status by web and SNMP

Remote Control

Remote per outlet on/off by web and SNMP.

Threshold Sensing

User-definable warning and overload threshold value as the basis for alarm.

Mail Notification

Notify specified user by mail and SNMP when outlet action or current over threshold.

Power Sequence

User-definable power on/off sequence time.

Event Alert

When current and ENV exceeds the preset threshold, DEVICE LED will flash.

Ping Event Control

When the specified IT device does not respond to PING, the output will perform a preset power action.

Schedule Control

Timed & scheduled on/off/reboot control.

Digital I/O

Connect various sensors. Support web pages to set various actions.

Outlet-Level Monitor

Remote per outlet current monitoring.

Group Control

Set multiple outlets as a single group while controlling the power output.

Overload Protection

When overload, circuit breaker will automatically trip to protect the safety of electricity.

Event Reaction

Outlet action via pre-set event, including power, environment event and receiving trap from other device.

kWh Measurement

Voltage, frequency, power factor, active power, apparent power and kWh measurement.

Environment Detection

Optional accessory probe to detect temperature and humidity.

Central Management

Free centralized monitoring software, real-time monitoring of a large number of DEVICE, provide data records and history chart.

Model Number:

IOT-EM-01

Specification

Output		Input	
Voltage	200-240 VAC	Voltage	200-240 VAC
Max. Current	10 A	Frequency	50/60Hz, full range
Outlet	(2) C13	Max. Capacity	2400 VA
ON/OFF Ind.	(2) Green LED	Connection	C14 Inlet
Circuit Status	(2) Red LED		

Measurement		Other	
Current	+/- 1%+/-0.1A @0.2A ~ 20 A	ENET Connection	(1) RJ45
Voltage	+/- 1% +/- 1V @80V~250V	ENV Connection	(2) RJ11
Active Power	+/- 1% +/- 5W @50W~8000W	Function Selection	(1) Button
Apparent Power	+/- 1% @50VA~8000VA	DHCP Ind.	(1) Green LED
Frequency	+/- 1% @50~65Hz	SSL Ind.	(1) Blue LED
Power Factor	+/- 1% @0.1~1.0	Info. Display	4 digits of 7 Segments
kWh	.001kWh~99999.999kWh, (+/- 1% @50W~8000W) kh=1.0		

DI	DO
Type: Dry contact 1 set of 4-way terminal block. Connection: 0.5 to 1.5 mm^2/ 28 to 14AWG Close status: Impedance less than 50 ohms Open status: Impedance greater than 50 ohms	Type: Relay 1 set of 4-way terminal block. Connection: 0.5 to 2.5 mm^2/24 to 12 AWG Range : Contact Open(off) or Close (on) Rated load:16A 240VAC / 16A 24Vdc Max. switching current: 16A Max. switching voltage: 250VAC Max. switching capacity: 4000VA

Dimension/Weight		Operation	
Net Size	432 x148 x 44 mm	Operation Temp.	0 ~ 50℃
Net Weight	2.2 kg	Operation Humid.	0% ~ 90% RH
Package Size	505 x 210 x 90 mm	Storage Temp.	-20℃ ~ 65℃
Package Weight	2.6 kg	Storage Humid.	0% ~ 90% RH

Approval	
Certification	CE, FCC
Warranty	2 years

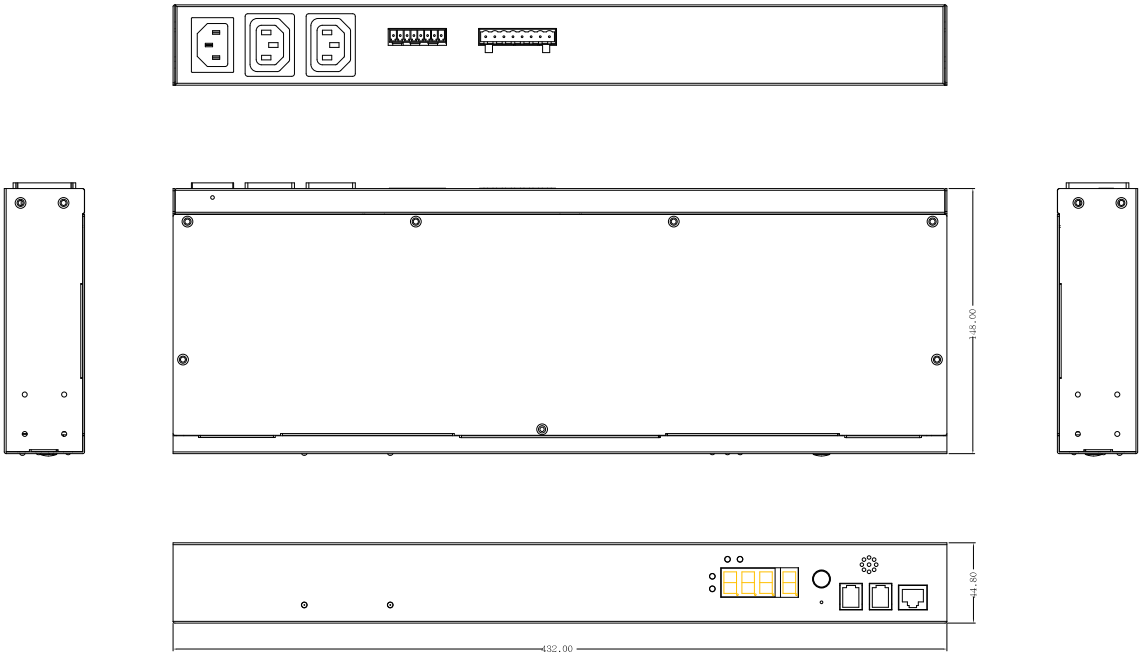
Package

No	Description
1	PDU 1 set
2	Rack mount accessories 1 set
3	Power cord, C13 to C14, 1.8 m
4	Manual, MIB by link below

Optional Accessories

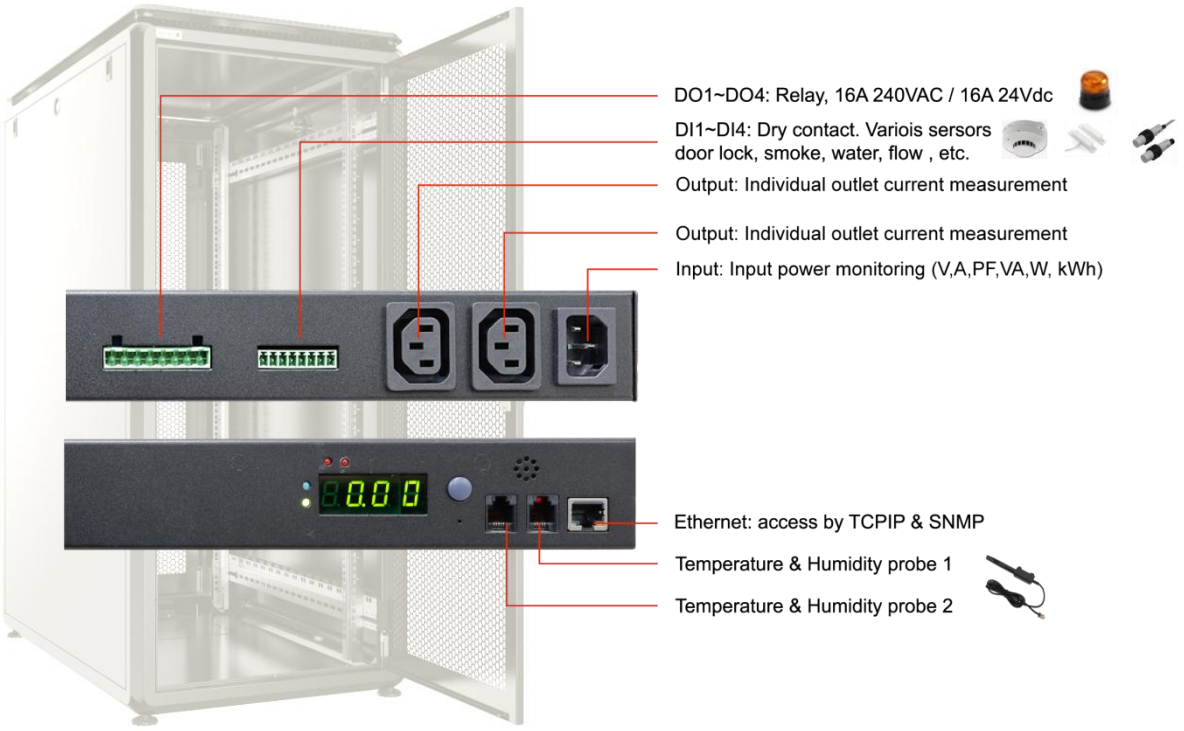
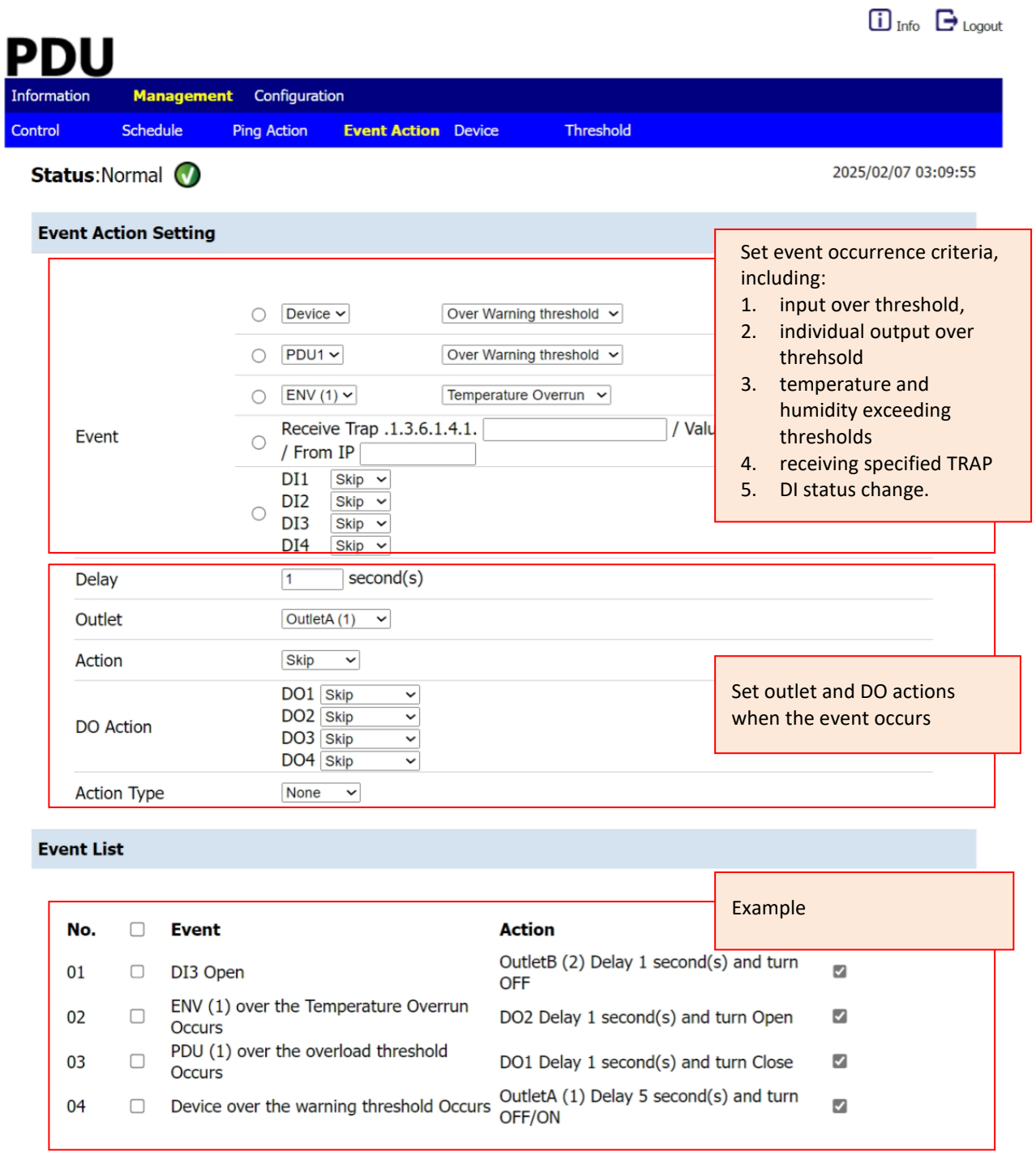
Model Number	Model Name
CPM-ENV-2	Temp./Humidity probe
STR-C14-B	C13 socket protection

Line Drawing



Application note

The IOT-EM-01 has a built-in conditional logic which can be set by web browser, which allows users to set the criteria for DI and temperature and humidity changes. Based on the criteria, the program automatically drives



Built-in conditional logic web interface