

Product Specifications

Environmental Sensor Box

IPM-ESB

Release 1.0

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Change History:

Revision	Date	Author	Change List
Version 1.0	2016/07/04	Brandon Wang	Initial release

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1. PRODUCT DESCRIPTION



Connecting with Switched IP Power Manager (IPM)

The ESB (Environmental Sensor Box) is a monitoring device that allows you to remotely monitor the temperature and humidity. PLANET Switched IP Power Manager (IPM) is equipped with a console port for connecting to an environmental sensor box (ESB). Temperature and humidity sensors may be added to control the power switch by monitoring the environmental changes. When the temperature and humidity reach a customized minimum/maximum threshold, you will be notified via SMS and e-mail.

2. PRODUCT FEATURES

- Measurement range: 0 – 40°C (temperature); 0 – 95% RH (humidity)
- Measurement accuracy: +/- 0.1°C (temperature); +/- 2% RH (humidity)
- Off-line monitoring
- Naming support for ESB port
- Connects to Switched IPM over RJ11 cable
- User selectable alarm thresholds allow you to define acceptable temperature or humidity limits
- Comprehensive environmental management and flexible configuration via Web browser
- Automatic events notification via E-mail and SNMP trap
- Regularly records ESB parameters for statistic analysis and event diagnostics
- Quick and easy installation (hot-swappable)

3. PRODUCT SPECIFICATIONS

3.1 Components

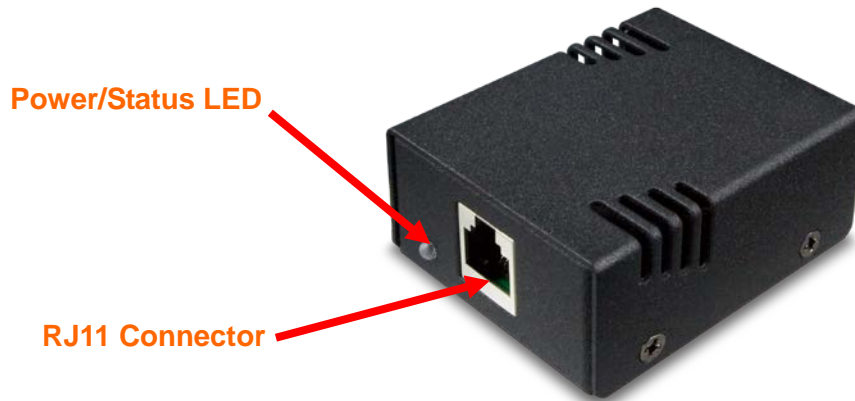
CPU	PIC16
RAM	1KB
Flash	14KB

3.2 Functional Specifications

Product	IPM-ESB
Hardware Specifications	
Sensor Port	1 x RJ11 type, 6P
LED	1 x Power/Status LED
Housing	Plastic
Dimensions (W x D x H)	57 x 47.5 x 26.5 mm
Weight	43g
Cable Length	1.4 meters
Measurement	
Range	Temperature: 0 ~ 40°C Humidity: 0 ~ 95% RH
Accuracy	Temperature: +/- 0.1°C Humidity: +/- 2% RH
Response Time	2 seconds
Environments	
Operating Temperature	0 ~ 70 degrees C
Operating Humidity	0 ~ 95%

3.3 Physical Specifications

➤ Rear Panel



Component	Description
Power/Status LED	The LED that turns red means IPM-ESB is normal.
RJ11 Connector	Enable you to configure with Switched IPM Series using the serial port.

3.4 Environmental Specifications

Temperature

Operating	0 ~ 70 degrees C
Storage	0 ~ 75 degrees C

Operating Humidity

Operating	0 ~ 95% (non-condensing)
Storage	0 ~ 95% (non-condensing)

3.5 Reliability

MTBF> 50,000hrs @ 25 degrees C

3.6 Basic Packaging

- 1 x Environmental Sensor Box
- 1 x RJ11 Cable
- 1 x Rack-mounting Kit

3.7 Package Information

Dimensions (W x D x H)	130 x 90 x 41 mm
Weight	96g