![ATEN - Simply Better Connections]

Temperature & Humidity Sensor

EA1640

EA1640 serves as a compact, flexible humidity and temperature measuring solution for ATEN PG series PDU applications where precision is significant - from server rooms, data centers, hospitals, smart factories to green offices. The sensor contains 1 x RJ-45 input port, 1 x RJ-45 output port, and 1x RJ-11 input port for easy connection with PG PDU series and environmental sensors including EA1140, EA1240, and EA1340. One terminal block is built for combining EA1440 / EA1441 / EA1442 door sensor or EA1540 the capacitive leakage sensor. Up to 8 daisy-chained devices are supported to broaden applications.

Designed with the ultimate flexibility in mind, EA1640 can be placed at an ideal location as a result of the 1.5 m RJ-45 cable coming with it. In addition, it comes with a magnet for easy attachment to metallic surfaces. Rack mount kits are also included for quick installation inside racks.

Front View

Rear View

Features

- A humidity and temperature measuring solution for ATEN PG PDU series
- Precise relative humidity accuracy: ±7.5 % RH, 30 – 70 % RH; ±15 % RH, 15 – 40 % RH, 70 – 90 % RH
- Highly accurate temperature measuring: ±1 °C (Max.), 10 – 40 °C; ±1.5 °C (Max.), –10 – 10 °C, 40 – 75 °C
- Supports up to 8 daisy-chained devices
- Multiple interfaces to broaden applications –
  - 1 x RJ-45 input port, 1 x RJ-45 output port, and 1x RJ-11 input port support connection with PG PDU series and EA1140 / EA1240 / EA1340 environmental sensors
  - 1 x terminal block supports EA1440 / EA1441 / EA1442 door sensor and EA1540 capacitive leakage sensor
- Meets flexible installation purposes –
  - Included 1.5 m RJ-45 cable for ideal location placement
  - Contains a magnet for sticking to metallic surfaces
  - Included rack mount kits enable quick installation inside racks
- Overload protection prevents overheating of the protected equipment
- LED illumination is visible through the transparent enclosure
- Prevents device malfunctions thanks to early detection in case of overheating / excessive humidity
- Suitable for applications that require precise measuring, such as server rooms, data centers, hospitals, smart factories, and green offices

Specifications

	EA1640
Electrical	
Environment Sensor Ports	1 port Terminal Block for Door Sensor (EA1440 / EA1441 / EA1442) / Capacitive Leakage Sensor (EA1540) 1 port RJ-11 for Original Temperature Sensor (EA1140 / EA1240 / EA1340)
Measurement	
Range	Temperature: -10 – 75 °C Humidity: 0 – 100 %
Accuracy	Temperature: ±1°C (max), 10 – 40 °C ±1.5°C (max), -10 – 10 °C, 40 – 75 °C Humidity: ±7.5 % RH, 30 – 70 % RH ±15 % RH, 15 – 40 % RH, 70 – 90 % RH
Environmental	
Humidity (Operating & Storage)	0 – 80 % RH, Non-Condensing
Temperature (Operating / Storage)	–10 – 75 °C / -20 – 70℃
Physical Properties	
Dimensions (L x W x H)	10.44 x 3.57 x 2.14 cm
Weight	0.05 kg
Cable Length	1.5 m (RJ-45 + RJ-45) round cable
Compliance	
EMC Verification	EMC / FCC, Class A
Safety Verification	By Request

Product information is subject to change without prior notice.