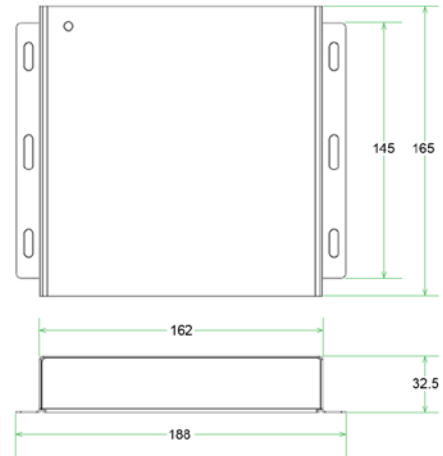




Multi-Sensor & Hub (EXP-4HUB)



General Description

Originally designed for monitoring remote distributed network hubs for the IDA Smart Nation project in Singapore, the Multi-Sensor & Hub is the result of a long analysis of what a sensor box should be able to monitor inside a server room or remote cabinet.

Key Features

- Plugs into the base unit (BASE-WIRED).
- Powered by the base unit (BASE-WIRED).
- OU and rack mountable.
- Plug and play sensor.
- Comes with 10 most commonly required sensors for edge infrastructure sites
- 8 dry contact input
- 4 dry contact output
- Hub for additional sensors (4 digital ports)

Technical Specifications

Power Source	SensorGateway (BASE-WIRED)
Power Usage	650 mW
Sensors	Temperature sensor Humidity sensor Dew point sensor Shock sensor Sound sensor Motion sensor Power failure sensor Luminosity (light in lux) sensor Smoke sensor Water leak sensor including 5ft cable
Dry Contact input ports	8
Dry Contact output ports	4 (digital sink 100mA)
Auxillary Supply	maximum current capacity of 500mA at 9 to 12 VDC

On board sensor specification

Temperature Resolution	0.1°C (0.18)°F precision
Temperature Accuracy	+/- 0.5°C (+/- 0.9 °F) over 0°C to +60°C (32 to 160 °F)
Reading	Celcius or Fahrenheit
Relative Humidity Measurement Range	0 to 100 % RH
Relative Humidity Resolution or precision	0.1 % RH and 1 % RH
Relative Humidity Accuracy	+/- 2 % RH between 10 % RH to 90 % RH and +/- 4 % RH below 10 % RH and above 90 % RH
Relative Humidity Long Term Stability	< 1 % RH/year
Sound (db) Resolution	1 db precision
Luminosity Resolution	0.5 Lux precision
Vibration unit	G force
Minimum value	1G

Environmental and Physical Specification

Operating temperature range	0°C to +75°C (32°F to +167°F)
Humidity (operating and storage)	< 90% rH (non-condensating).
Probe Dimensions	185 mm (7.3") x 188 mm (7.4") x 32.5 mm (1.3")
Weight	0.8kg (1.8 lbs.)