

Product Specifications

10/100/1000 to 1000 SFP PoE+ Media Converter

KEY FEATURES

- Supports PoE+ (30 watt) Power Source Equipment (PSE)
- Twisted pair port supports 10/100/1000BaseT/TX
- Switch-selectable link fault signaling with far end fault capability
- External 48 V DC 0.83 Amp power supply
- Gigabit transmission supports 9K bytes jumbo frames



The Signamax 10/100/1000 to 1000Base SFP PoE+ Media Converter is AC powered and combines data received over a fiber optic link with up to 25.5 Watts of PoE+ power at the end of a 100 meter cable run, which the powered devices can use in lieu of a separate power connector. The PoE+ power source equipment attribute allows the converter to provide power to either PoE or PoE+ powered devices using the twisted pair connection. This media converter is also equipped with power device signature-sensing, power monitoring features, and a 1000Base SFP receptacle, accepting a wide variety of 1000Base SFP modules for its fiber optic interface. A side-mounted slide switch is provided

to enable and disable Link Fault Signaling and Far End Fault. The Link Fault Signaling capability allows the media converter to monitor both the fiber and copper RX ports for loss of signal. In case of a loss of RX signal on one media port, the converter will automatically disable the TX signal to the other media port, thus passing through the link fault. The Far End Fault capability enables the converter to stop sending link pulse to the link partner once a loss of the fiber RX signal is encountered. The link partner will then synchronously stop sending data, thereby preventing the loss of data that would occur when trying to transmit over a failed link.

ORDERING INFORMATION

PART NO.	DESCRIPTION
065-1050GSFP	10/100/1000BaseT/TX to 1000Base SFP PoE+ Media Converter
Fiber types and distances spanned are SFP module-dependent.	

SPECIFICATIONS

Applicable Standards

IEEE 802.3 10BaseT
 IEEE 802.3u 100BaseTX
 IEEE 802.3ab 1000BaseT
 IEEE 802.3z 1000BaseSX/LX
 IEEE 802.3z 1000BaseUX/ZX
 IEEE 802.3x Flow Control
 IEEE 802.3af PoE
 IEEE 802.3at PoE+

Ports

1 – RJ-45 10/100/1000BaseT/TX Auto-Negotiation, Auto-MDI/MDIX port, plus 1 – 1000Base SFP module receptacle port.

LED Status Indicators

Per Unit: Power
 Per RJ-45 Port: 100M/Act, 1000M/Act
 Per SFP Port: Link/Activity

Performance

Latency: <4.5 μ s (LIFO)
 Throughput, per port: @ 1000Base: 1,488,100 pps (64-byte packets)

Electrical Characteristics

Maximum Wattage: 36 Watts
 PSE Power Feed Support: "Endpoint", via TP pin 1, 2, 3, 6
 Maximum PoE Wattage Deliverable: 30 Watts
 External Power Supply: Input: 100 ~ 240 VAC, 50 ~ 60 Hz
 Output: 48 V DC; 0.83 Amp
 Power supply included.

Physical Characteristics

Dimensions: 4.02" L x 2.96" W x 0.91" H (102mm x 75mm x 23mm)
 Weight: 0.51 pounds (230 grams)

Environmental Requirements

Operating Temperature: 32°F to 113°F (0°C to 45°C)
 Storage Temperature: -4°F to 194°F (-20°C to 90°C)
 Relative Humidity: 10 to 90% (non-condensing)

Certifications

CE, FCC, ROHS

Warranty

Limited Lifetime