

SPOEB10xx-100

Stand-alone Fast Ethernet PoE Media Converter

10/100Base-TX PoE PSE to 100Base-FX



SPOEB10xx-100 enables enterprises to provide power to network devices over the existing CAT5 data connection.

Transition Networks' AC powered PoE media converters combine data received over a fiber optic link with -48 VDC power; providing power to Data Terminal Equipment (DTE) Power Devices (PD) over unshielded twisted pair cable. The PoE converters are Power Sourcing Equipment (PSE) and are fully compatible with Powered Devices (PD) that comply with the IEEE 802.3af: 2003 standard. The converters also include a PD signature sensing and power monitoring features per the IEEE 802.3af standard. Other features include Over-Current Protection, Under-Current Detection and Fault Protection Input.

This feature enhanced model offers the ability to enable/disable many of the features as well as force port capabilities.

In addition, with the PSE/LPT switch enabled, a loss of Fiber RX will disable PSE power output on the UTP port for 2 seconds to allow remote device to re-initialize. (Also known as Powered Device Reset.)

The PoE converter is fully compatible with devices that comply with the IEEE 802.3af standard. The PoE converter is capable of inserting power on data pairs or spare pair of the MDI.

Ordering Information

SPOEB1011-100
10/100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1300nm multimode (ST)
[2 km/1.2 mi.] Link Budget: 11.0 dB

SPOEB1013-100
10/100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1300nm multimode (SC)
[2 km/1.2 mi.] Link Budget: 11.0 dB

Optional Accessories (sold separately)

Mounting Options

WMBD or WMBL
Wall Mount Brackets

RM19-SA4-01
4-Slot Media Converter Shelf

Features

- External AC power supply
- IEEE 802.3af Power-Over-Ethernet Compatible
- 8 VDC PSE Output Voltage
- Signal Pair or Spare Pair Power Insertion
- PD Detection Signature
- Over-Current Protection & Under-Current Detection
- Powered Device Reset
- Switch selectable features and port settings
- Minimum Load Sensing
- Fault Protection Input
- Auto-Negotiation
- Auto-MDI/MDIX
- Link Pass Through
- Far-End-Fault (FEF) (FEF)
- Automatic Link Restoration

Specifications

Standards	IEEE 802.3 IEEE Std. 802.3af
Switches	SW1: Auto-Negotiation On/Off SW2: Speed TP: Force 10 Mbps or 100 Mbps (SW1 off) SW3: Duplex TP: Force Half or Full Duplex (SW1 off) SW4: Duplex Fiber: Half or Full Duplex SW5: Auto-MDI/MDIX On/Off SW6: PSE On/Off SW7: PSE/LPT on/off SW8: Unused
Max Packet Size	1522 bytes untagged 1518 bytes tagged
Dimensions	Width: 3.25" [82 mm] Depth: 4.8" [120 mm] Height: 1.0" [25 mm]
Power	External power supply : 90 – 250 VAC Consumption: 20 Watts max
Environment	Operating: 0°C to 50°C Storage: -25° to +85°C Humidity: 5% to 90% (non-condensing) Altitude: 0 – 10,000 ft.
Weight	2 lbs. [0.90 kg]
Compliance	EN55022:1994+A1:1996+A2:1997 Class A; FCC Part 15 Subpart B; UL 1950
Warranty	Lifetime

**POWER
SUPPLY
INCLUDED**