



PoE PSE Media Converter 10/100/1000M

MODEL: MODEL1000-PoE

Overview:

MODEL1000-PoE is a 10/100/1000Base-TX to 1000Base-FX media converter, which allows two types of network segment to be connected easily. Complied with IEEE802.3af standard, the AC/DC powered PoE media converter is a Power Sourcing Equipment (PSE) which combines data transfer over a fiber optic link with 48V (or other voltage) power supply, providing power to IEEE802.3af powered device (PD) over CAT5 UTP cable (cable length up to 100meters/330feet). The converter includes a single port PSE controller, which offers PD signature sensing and power monitoring features. Other features include over-current protection, LFP function. The LFP (Link Fault Pass-through) allows the media converter to monitor both the fiber and copper RX port 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.

Picture:



Main features:

- 10/100/1000Base-TX UTP to 1000Base-FX fiber media converter
- IEEE802.3af PoE PSE compatible
- 9K bytes packet at cut-through mode
- Built-in AC/DC power supply
- Over-current protection
- Choice of SC, BiDi or LC connectors for multimode and single-mode
- DIP switch to set different configurations
- LFP (Link Fault Pass-through) support

Specifications:

Data Rates:

- 10/100/1000 Mbps (802.3 10Base-T/802.3u 1000Base-T)
- 1000Mbps (1000Base-FX)

Input Power Requirements:

- Input voltage: 100 VAC to 240 VAC
- Input frequency: 47 Hz to 63 Hz

Power over Ethernet Output:

- Pin Assignment and Polarity: 4/5 (V+), 7/8 (V-)
- Output Power.....please refer to ordering information
- Efficiency: 75% min
- Short circuit protection: Auto recovery
- Over current protection: Auto recovery

Environmental Conditions:

- Operating temperature: 0°C to 50°C
- Cooling: Free air convection
- Storage temperature: -20°C to +85°C
- Operating Humidity: 90% max, non-condensing

Mechanical Specifications:

- Case Material: Iron
- Case Color: Black
- Net Weight: 540g approx. / unit
- Dimensions: 110(W) x 40(H) x 140(L) (mm) Do not include transceiver length

Connectors:

- AC Inlet: IEC-J-4
- LAN: Shielded RJ-45
- Fiber: See ordering information

Typical Application

Part Number	Supported Standard	Output Voltage	Output Current	Output Power	Remark
MODEL1000-POE-FXX-X-XX	IEEE 802.3af	48V	0.54A max	25W max	Default
MODEL1000-POE-FAXX-X-XX	IEEE 802.3af	56V	0.54A max	30W max	Optional
MODEL1000-POE-FBXX-X-XX	Non-standard	48V	0.60A max	30W max	Optional
MODEL1000-POE-FCXX-X-XX	Non-standard	24V	1.20A max	30W max	Optional
*XX-X-XX: fiber type, distance, and optic connector, please refer to the list below.					

Suffix	Description	Suffix	Description
SC-M02	SC, Multi-Mode, 2km / 1300nm	LC-M02	LC SFP, Multi-Mode, 2km / 1300nm
SC-S05	SC, Single-Mode, 5km , 1310nm	LC-S05	LC SFP, Single-Mode, 5km , 1310nm
SC-S20	SC, Single-Mode, 20km , 1310nm	LC-S20	LC SFP, Single-Mode, 20km , 1310nm
SC-S40	SC, Single-Mode, 40km , 1310nm	LC-S40	LC SFP, Single-Mode, 40km , 1310nm
SC-S60	SC, Single-Mode, 60km , 1310nm	BS3-S20	BiDi SC , Single-Mode, 20km , 1310/1550nm
SC-S80	SC, Single-Mode, 80km , 1550nm	BS3-S40	BiDi SC , Single-Mode, 40km , 1310/1550nm
SC-SA0	SC, Single-Mode, 1000km , 1550nm	BS5-S20	BiDi SC , Single-Mode, 20km , 1550/1310nm
SC-SC0	SC, Single-Mode, 120km , 1550nm	BS5-S40	BiDi SC , Single-Mode, 40km , 1550/1310nm

Due to continuous improvement, all products specifications are subject to change without further notice.

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