

10/100M Multi-Mode Fiber Media Converter

Product specification: PF-SM-02M-POE



10/100M Multi-Mode Fiber Media converter with POE

Features

- With POE supported, to save power infrastructure cost
- IEEE 802.3AF PoE PSE(Power Source Equipment) compatible.
- Translate 10/100 Mbps copper media to 100Mbps fiber optic connections
- Connect to PoE switches, mid-span hubs, or other 802.3af power source equipment (PSE)
- Support full-duplex and auto-negotiation mode for fiber port
- Standalone unit with mini design
- Operation case temperature
- Operating: 0~+50
- Storage: -20~+70
- RoHS 6 compliant



Applications

- Fast Ethernet
- Power Sourcing Equipment
- Monitoring system
- Wireless APs

Description

The PF-SM-02M-POE series media converters are 10/100 BaseT/TX to 100 Base FX Power over Ethernet (PoE) devices that serve as Power Sourcing Equipment (PSE), which allows the converter to provide power to IEEE802.3 af/at PoE standard-compliant Powered Devices (PDs) using the twisted pair connection. Power transmitted along with data in one single cable (RJ45) allow you to expand you networks where there are no power lines or outlets, where you wish to fix devices such as Wifi APs, IP Cameras or IP phone etc.

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Regulatory compliance

Feature	Standard	Performance
Electrostatic discharge	MIL-STD-883G Method	Class 1C (>1000 V)
Electrostatic discharge to the enclosure	EN55024:1998+A1+A2 IEC-61000-4-2	Compatible with standards
Electromagnetic interference(EMI)	FCC part 15 Class B EN55022:2006 CISPR 22B:2006 VCCI Class B	Compatible with standards noise frequency range: 30 MHz to 6 Ghz. Good system EMI design practice required to achieve Class B margins. System margins are dependent on customer host board and chassis design.
Immunity	EN 55024:1998+A1+A2 IEC 61000-4-3	Compatible with standards. 1 kHz sine-wave, 80% AM, from 80 MHz to 1 GHz. No effect on transmitter/receiver performance is detectable between these limits
Laser eye safety	FDA 21 CFR 1040.10 and 1040.11 EN(IEC) 60825-1:2007 EN (IEC) 60825-	CDRH compliant and Class I laser product. TüV certificate No. 50135086
Component recognition	UL and CUL EN60950-1:2006	UL file E317337 Tüv certificate No. 50135086(CB scheme)
RoHS6	2002/95/EC 4.1&4.2 2005/747/EC 5&7&13	Compliant with standards

Note 1 for regulatory compliance:

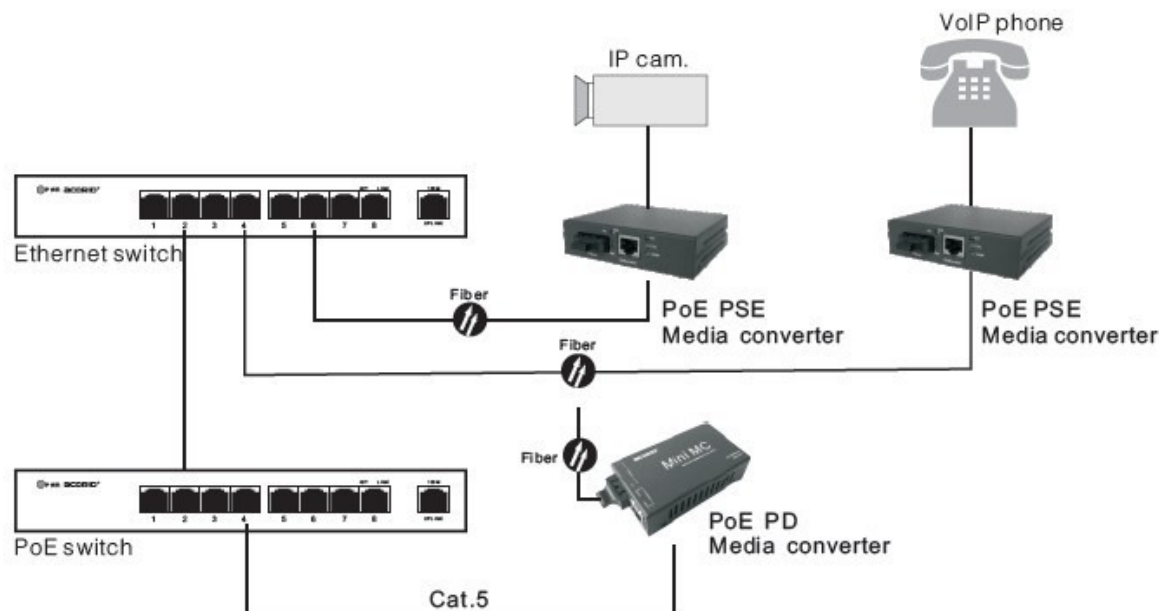
For update of the equipments and strict control of raw materials, PeakOptical® has the ability to supply the customized products since January 1st 2007, which meet the requirements of RoHS6 (restrictions on use of certain Hazardous substances) of the European Union. In light of item 5 in RoHS exemption list of RoHS Directive 2002/95/EC, item 5: Lead in glass of the cathode ray tubes, electronic components and fluorescent tubes.

In light of the item 13 in RoHS exemption list of RoHS 2005/747/EC, item 13: Lead and cadmium in optical and filter glass. The three exemptions are being concerned for PeakOptical's transceivers, because PeakOptical's transceivers use glass, which may contain Pb, for components such as lenses, windows, isolators and other electronic components.

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Part number	Product description
PF-SM-02M-POE	10/100 Mbps PoE PSE MMF media converter, 2 km

Notice

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