

# MEDIA CONVERTER PRODUCTS

1\*GE SFP and 1\*10/100/1000M TX with PoE



## FEATURE

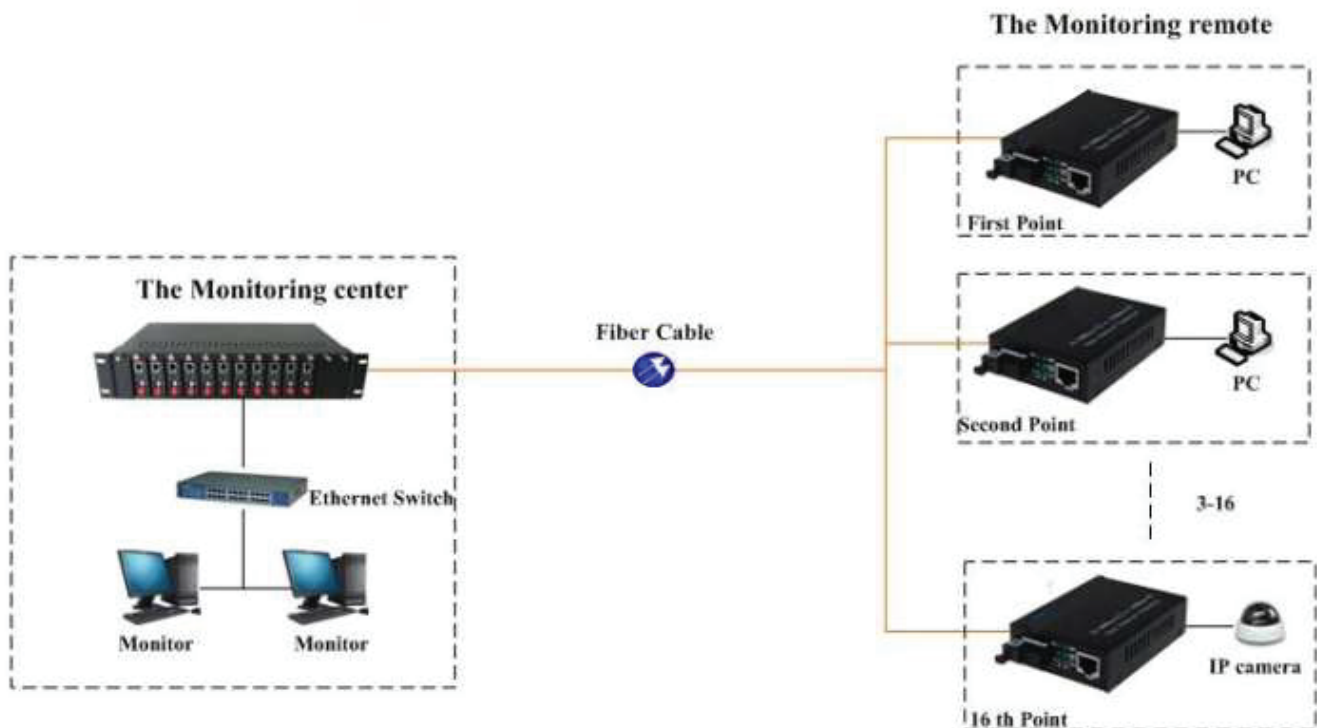
- IEEE 802.3at, IEEE 802.3af PoE standard compliance
- Provides DC 48V power over RJ45 Ethernet cable to devices with Ethernet port
- Supports a maximum of 40 watts output power
- Support PD detection and PD classification
- Support super large video traffic
- Auto-negotiation support on RJ-45 port
- Auto-negotiation of duplex(HDX/FDX) on RJ-45 port
- Auto MDI/MDI-X support on RJ-45 port
- Supports jumbo frame size 9K bytes
- Status LED for easy monitoring of device status



## OVERVIEW

The series is a Single-Port, End-Span IEEE 802.3at High Power over Ethernet converter designed specifically to satisfy the growing demand for higher power required network equipment such as PTZ (Pan, Tilt & Zoom) network cameras, PTZ speed dome, color touch-screen VoIP telephones, multi-channel (IEEE 802.11a / b / g / n) wireless LAN access points and other network devices that need higher power to function normally. The High Power over Ethernet converter series is an ideal solution to delivering data and power to network devices directly via the RJ45 Port interface without the need for installing extra power outlets and electrical cabling.

## APPLICATION



## SPECIFICATION

### Interface

- 1 x Ethernet+DC port (RJ45) 10/100/1000Base-Tx
- 1 x Optical port (1x9 or SFP) 1000Base-Fx

### Optical Port

- Available for 1310nm and 1550nm Single mode, and 850nm Multi mode
- Transfer Distance: up to 120km
- Connectors: SC, ST, FC and SFP optional
- Fiber core: 8.3µm, 8.7µm, 9µm and 10µm on single-mode fiber; 50, 62.5 and 100µm on multi-mode fiber

### Ethernet Port

- Cable: Cat 5/5e/6 UTP cable
- Available speed: force 10Mbps, force 100Mbps, force 1000Mbps and auto-detective 10/100/1000Mbps. Full-Duplex and Half-Duplex auto-negotiation
- Connectors: RJ-45 Connector; MDI/MDI-X connection autosensing

### LED Indicators

- Power Status, Speed Status, FX Link/Act, TX Link/Act, PoE

### PoE Specification

- Power Output: PoE 48V DC, max 40 watts
- PoE Power Supply type: End-Span
- Power Pin Assignment: 1/2(+), 3/6(-)
- PoE Power Budget: 40 watts

### Power Requirement

- 48V DC, 1A External AC to DC adapter

### Physical Characteristics

- Housing: Metal enclosure
- Dimensions: 94 x 70 x 26mm
- Weight: 0.3kg

### Environmental Limits

- Operating Temperature: -10°C to 70°C
- Storage Temperature: -20°C to 70°C
- Operating Humidity: 10% to 90% RH (non-condensing)
- Storage Humidity: 5% to 90% RH (non-condensing)

### Agency Approvals

- FCC Part 15 of Class A & CE approved, RoSH

### Standard

- IEEE802.3 (10Base-T)
- IEEE802.3u (100Base-TX/FX)
- IEEE802.3ab (1000Base-T)
- IEEE802.3z (1000Base-SX/LX/CX/T)
- IEEE802.3x (Flow control)
- IEEE802.3af (Power over Ethernet Standard)
- IEEE802.3at (Power over Ethernet enhancements Standard)

## ORDER INFORMATION

PRODUCT	PART NUMBER
10/100/1000 10/100/1000M POE Media Converter 10/100/1000M Tx SC, Dual Fiber,MM,40 W, 500m	MC-1POEG540-0.5
10/100/1000 10/100/1000M POE Media Converter 10/100/1000M Tx SC, Dual Fiber,SM,40 W, 20Km	MC-1POEG940-20
10/100/1000 10/100/1000M POE Media Converter 10/100/1000M Tx SC, Dual Fiber,SM,40 W, 40Km	MC-1POEG940-40
10/100/1000 10/100/1000M POE Media Converter 10/100/1000M Tx SC, Dual Fiber,SM,40 W, 80Km	MC-1POEG940-80
10/100/1000 WDM 10/100/1000M POE Media Converter 10/100/1000M Tx SC, WDM,1310nm Tx, 1550nm Rx, SM,40 W,20Km	MC-1POEG91340-20
10/100/1000 WDM 10/100/1000M POE Media Converter 10/100/1000M Tx SC, WDM,1550nm Tx, 1310nm Rx, SM,40 W, 20Km	MC-1POEG91540-20
10/100/1000 WDM 10/100/1000M POE Media Converter 10/100/1000M Tx SC, WDM,1310nm Tx, 1550nm Rx, SM,40 W,40Km	MC-1POEG91340-40
10/100/1000 WDM 10/100/1000M POE Media Converter 10/100/1000M Tx SC, WDM,1550nm Tx, 1310nm Rx, SM,40 W, 40Km	MC-1POEG91540-40
10/100/1000 WDM 10/100/1000M POE Media Converter 10/100/1000M Tx SC, WDM,1310nm Tx, 1550nm Rx, SM,40 W, 80Km	MC-1POEG91340-80
10/100/1000 WDM 10/100/1000M POE Media Converter 10/100/1000M Tx SC, WDM,1550nm Tx, 1310nm Rx, SM,40 W, 80Km	MC-1POEG91540-80
10/100/1000 SFP 10/100/1000M POE Media Converter 10/100/1000M Tx ,SFP,40 W	MC-1POESFP40