



Industrial SFP to Gigabit PoE+ Media Converter

TI-PF11SFP (v1.0R)

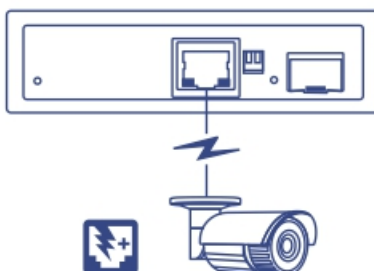
- Hardened IP30 rated SFP to Gigabit PoE+ converter
- SFP port accommodates Multi or Single Mode fiber
- Up to 40 km fiber networking distances with the TI-MGBS40 SFP module
- Provides up to 30W for PoE and PoE+ compliant devices
- Includes DIN-rail and wall mounts
- Wide operating temperature range -40 to 75 °C (-40 to 167 °F)
- Dual redundant power inputs with overload current protection

TRENDnet's Industrial SFP to Gigabit PoE+ Media Converter, model TI-PF11SFP, converts fiber to copper while providing power to PoE and PoE+ compliant devices such as IP cameras, VoIP phones, and wireless access points. The hardened IP30 rated housing is suitable for extreme industrial environments. Dual redundant power inputs (power supply sold separately: TI-S12048) with overload current protection minimizes downtime.



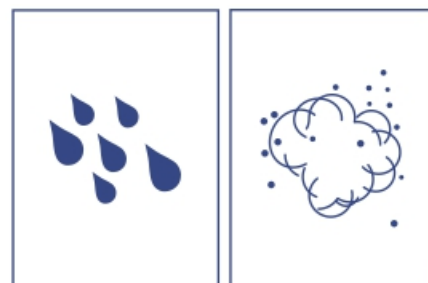
Industrial Applications

Networks devices for manufacturing, general industrial, warehousing, surveillance, and corporate applications.



PoE+ Output

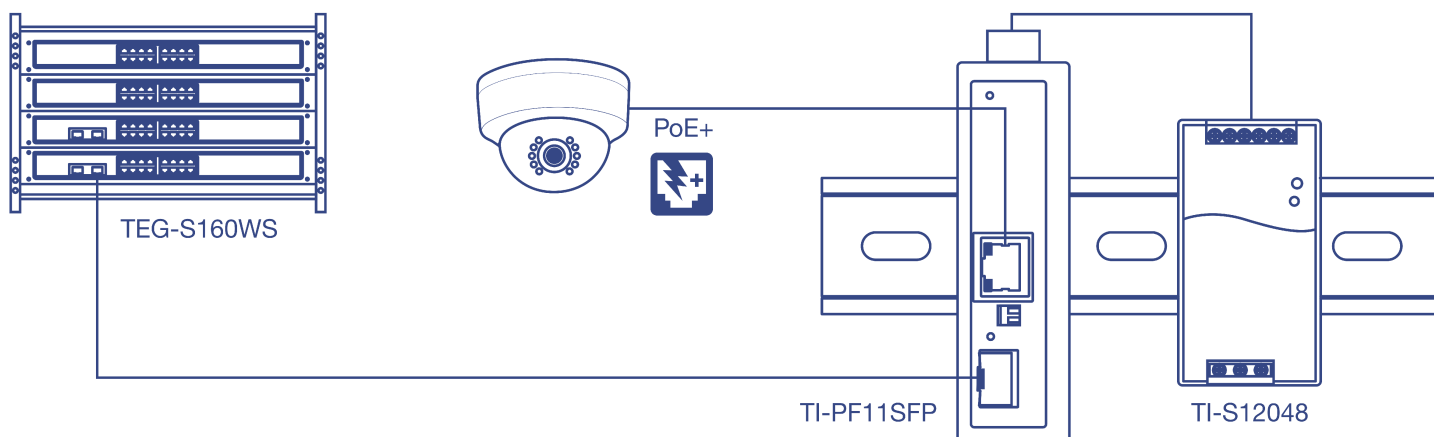
Converts fiber to copper while providing power to PoE and PoE+ compliant devices such as IP cameras, VoIP phones, and wireless access points.



Extreme Environments

Hardened IP30 converter, with a -40 to 75 °C (-40 to 167 °F) operating temperature range.

Networking Solution





Network Ports

1 x Gigabit PoE+ Ethernet port and 1 x SFP slot



DIN-Rail/Wall Mounts

IP30 rated metal enclosure with included DIN-rail and wall mount hardware



Switching Capacity

2Gbps switching capacity



Redundant Power

Dual redundant power inputs with overload current protection (power supply sold separately: model TI-S12048)



Jumbo Frame

Sends larger packets, or Jumbo Frames (up to 9KB), for increased performance



Extreme Temperatures

Hardened converter is rated for a wide operating temperature range of -40 to 75 °C (-40 to 167 °F)



Electromagnetic Compliance

Complies with FCC Part 15 Subpart B Class A and CE EN 55022 Class A standards



Certifications

Rated for information technology (ITE) equipment (EN55022/24) and industrial, scientific, and medical (ISM) Equipment (EN55011)



Shock and Vibration Resistant

Rated for shock (IEC 60068-2-27), freefall (IEC 60068-2-32), and vibration (IEC 60068-2-6)



Grounding Point

Grounding point protects equipment from external electrical surges

Specifications

Standards

- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3ab
- IEEE 802.3z
- IEEE 802.3x
- IEEE 802.3af
- IEEE 802.3at

Device Interface

- 1 x Gigabit PoE+ port
- 1 x 100/1000Mbps SFP slot
- 4-pin removable terminal block
- LED indicators
- DIP Switch
- DIN-Rail mount
- Wall mount
- Grounding point

Data Transfer Rate

- Ethernet: 10Mbps (half duplex), 20Mbps (full duplex)
- Fast Ethernet: 100Mbps (half duplex), 200Mbps (full duplex)
- Gigabit: 2000Mbps (full duplex)

Performance

- Data RAM Buffer: 1MB
- Jumbo Frame: 9KB

Special Features

- Hardened components rated for extreme temperatures
- Auto-Negotiation
- Auto store and forward architecture
- Automatic address learning and address aging

Power

- Input: 48 - 56 V DC
- Compatible power supply: TI-S12048 (sold separately)
- Consumption: 2 watts (without PoE) with 48VDC input

PoE

- Mode A (V+ 1, 2; V- 3,6)
- Budget: 30 watts
- Consumption: Max. 36 watts with 56VDC input

Terminal Block

- Power and relay inputs, 4 pin
- Wire range: 0.34mm² to 2.5mm²
- Solid wire (AWG): 12-24/14-22
- Stranded wire (AWG): 12-24/14-22
- Torque: 5 lb. - In / 0.5Nm / 0.56 Nm
- Wire strip length: 7-8mm

DIP Switch

- 1: reserved, no function
- 2: set SFP speed to 100Mbps or 1000Mbps

MTBF

- 500,000 hours

Housing

- IP30 aluminum case
- DIN-rail mount
- Wall mount
- Grounding point

Operating Temperature

- - 40 to 75 °C (-40 to 167 °F)

Operating Humidity

- Max. 95 % non-condensing

Dimensions

- 104 x 81 x 32 mm (4 x 3.2 x 1.2 in.)

Weight

- 154 g (5.4 oz.)

Certifications

- CE
- FCC
- Shock (IEC 60068-2-27)
- Freefall (IEC 60068-2-32)
- Vibration (IEC 60068-2-6)
- EN60950-1 (LVD)

Warranty

- 3 years

Package Contents

- TI-PF11SFP
- Quick Installation Guide
- Removable terminal block
- DIN-rail and wall mount kit

