

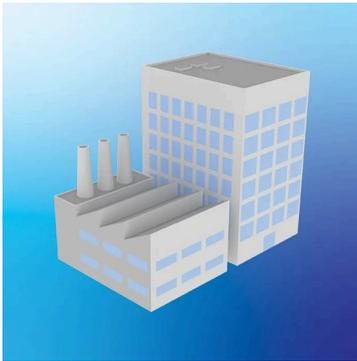


## Industrial SFP to Gigabit PoE+ Media Converter

TI-PF11SFP (v3.xR)

- 1 x Gigabit SFP port
- 1 x Gigabit PoE+ RJ45 port
- Provides up to 30W of power for PoE, and PoE+ compliant devices
- SFP port accommodates Multi or Single Mode fiber modules
- Up to 80km fiber networking distances with the TEG-MGBS80 SFP module
- Operating temperature range of -40° – 75° C (-40° – 167° F)
- Overload current protection
- 6kV RJ45 surge protection
- Includes DIN-Rail and wall mounts
- Powers supply sold separately (model: TI-S15052)
- NDAA / TAA compliant (U.S. only)

TRENDnet's Industrial SFP to Gigabit PoE+ Media Converter, model TI-PF11SFP, converts a long-distance fiber connection to a copper connection while providing power to PoE and PoE+ compliant devices, such as IP cameras, VoIP phones, and wireless access points. This PoE+ media converter is IP50 rated with hardened components rated for extreme industrial environments and an operating temperature range of -40°– 75° C (-40° – 167° F). The front panel DIP switches control Link Fault Pass Through (LFPT), and setting the device to switch/converter mode. The industrial PoE+ media converter's rugged design also provides protection from shock, freefall, and vibration.



### Industrial Applications

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



### PoE+ Output

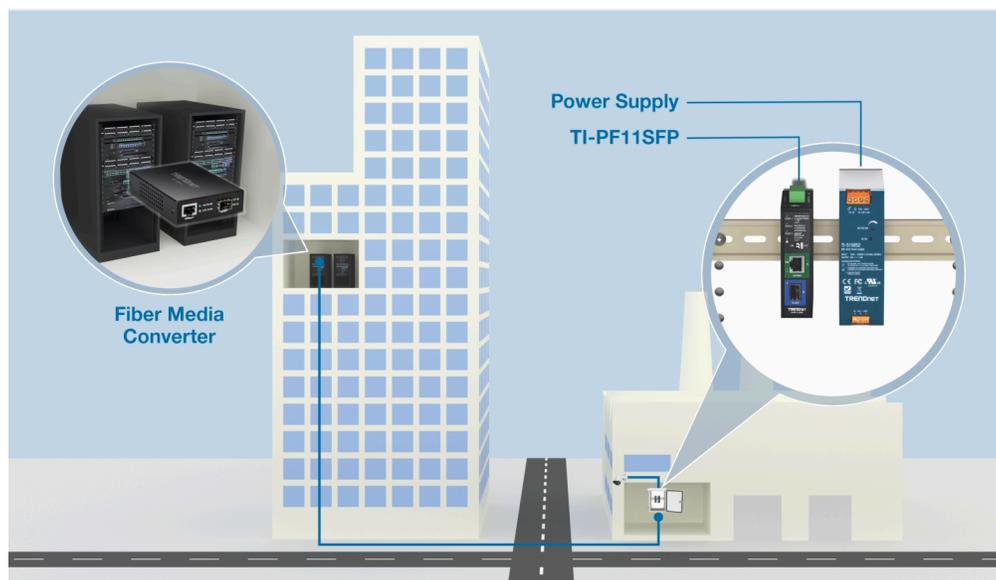
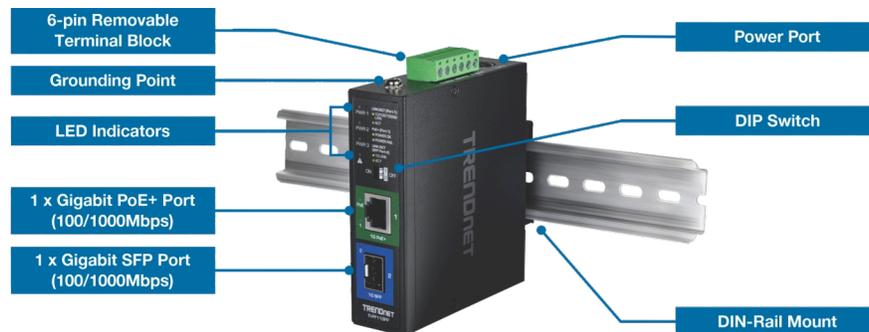
Converts long-distance fiber to copper while providing power to PoE and PoE+ compliant devices, such as IP cameras and wireless APs.



### Industrial Hardened Design

Designed with a rugged IP50 rated housing, resistance to a high degree of vibration and shock, protection against ESD/EMI/surge, and operates within an extreme operating temperature range of -40° - 75° C (-40° - 167° F).

## NETWORKING SOLUTION



## FEATURES



### Network Ports

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



### DIP Switches

1: Turns LFPT (Link Fault Pass Through) on/off  
2: Converter mode / switch mode



### Link Fault Pass Through

Easily enable the LFPT (Link Fault Pass Through) feature on the industrial multi-mode media converter using the front panel DIP switch to identify a link fault to the remote LFPT enabled media converter



### Dust Protected

This industrial media converter is IP50 rated for ingress dust protection



### Fault Tolerance

Features an output alarm relay to indicate an input power failure



### Extreme Temperature

An extreme operating temperature range of -40° – 75° C (-40° – 167° F) allows for installations in industrial environments with intense hot or cold conditions



### SFP Support

Supports Multi and Single mode SFP modules



### Switching Capacity

4Gbps switching capacity



### Jumbo Frame

Sends larger packets, or Jumbo Frames (up to 16KB), for increased performance



### Surge Protection

6kV Ethernet surge protection



### Shock and Vibration Resistant

Rated for shock (EN 60068-2-27), freefall (EN 60068-2-31), and vibration (EN 60068-2-6)



### Electro Magnetic Compliance

Complies with industrial EMS certifications ESD (IEC 61000-4-2);  
Contact: 6kV, Air: 8kV; EFT (IEC 61000-4-4): Power 2kV, Signal: 2kV; Surge (IEC 61000-4-5): Power: 2kV, Signal: 2kV



### DIN-Rail/Wall Mounts

IP50 rated metal enclosure with included DIN-rail and wall mount hardware



### Grounding Point

Grounding point protects equipment from external electrical surges

## SPECIFICATIONS

### Standards

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

### Device Interface

- 1 x Gigabit PoE+ port (100/1000Mbps)
- 1 x Gigabit SFP port (100/1000Mbps)
- 6-pin removable terminal block
- LED indicators
- DIP Switch

### Performance

- Data RAM Buffer: 64KB
- Jumbo Frame: 16KB

### DC Power

- Input: 48-57V DC
- Compatible power supply: TI-S15052 (sold separately)
- Max. consumption: 2.44W (with no PD connected)

### AC Power

- Input: 100 – 240V AC, 50/60Hz, 2A
- Compatible power adapter: 48VDC3000 (sold separately)
- Output: 48V DC, 3.34A 160W max.
- Max. consumption: 3.1W (with no PD connected)

### PoE

- PoE budget: 30W
- Pins 3, 6 for power + and pins 1, 2, for power -

### Terminal Block

- 6-pin terminal block
- Wire range: 1.5mm<sup>2</sup>
- Solid wire (AWG): 12-19
- Stranded Wire (AWG): 12-19
- Torque: 3.5 lb. – In / 0.39Nm / 0.5Nm
- Wire strip length: 7-8mm

### Alarm Relay Contact

- Relay outputs with current carrying capacity of 1A, 24V DC
- Short circuit mode when only one power sources are connected
- Open circuit mode when only three power source is connected

### DIP Switch

- 1: On (LFPT on – Default), Off (LFPT off)
- 2: On (Converter mode – Default), Off (Switch mode)

### MTBF

- 2,320,000 hours @ 25° C

### Housing

- IP50 metal case
- DIN-Rail mount
- Wall mount
- Grounding point
- ESD 6kV protection
- 6kV RJ45 protection

### Operating Temperature

- -40° - 75° C (-40° - 167° F)

### Operating Humidity

- Max. 95% non-condensing

### Dimensions

- 98 x 90 x 28mm (3.9 x 3.5 x 1.1 in.)

### Weight

- 304g (10.72 oz.)

### Certifications

- CE
- FCC
- LVD
- Shock (IEC 60068-2-27)
- Freefall (IEC 60068-2-31)
- Vibration (IEC 60068-2-6)
- IEC 61000-4-2
- IEC 61000-4-4
- IEC 61000-4-5

### Warranty

- 3-year

### Package Contents

- TI-PF11SFP
- Removable terminal block
- DIN-Rail / wall mount kit

All references to speed are for comparison purposes only. Product specifications, size, and shape are subject to change without notice, and actual product appearance may differ from that depicted herein.