

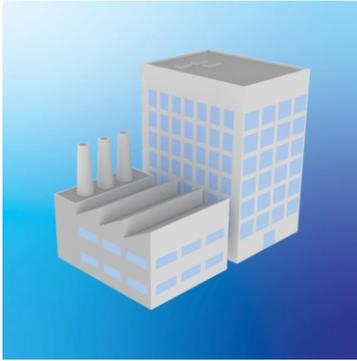


Industrial 100/1000Base-T to SFP Media Converter

TI-F11SFP (v3.xR)

- Hardened IP50 rated 100/1000Base-T Ethernet to SFP converter
- 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)
- 12 – 60V DC power input with overload current protection
- 6kV RJ45 surge protection
- Includes DIN-Rail and wall mounts
- Powers supply sold separately (model: TI-M6024)
- NDAA/ TAA compliant (U.S. and Canada only)

TRENDnet's Industrial 100/1000Base-T to SFP Media Converter, model TI-F11SFP, is a reliable IP50 rated media converter with hardened components rated for extreme industrial environments. The front panel DIP switches control Link Fault Pass Through (LFPT), and setting the device to switch/converter mode.



Industrial Applications

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



Front Panel Switches

The industrial multi-mode media converter's front panel DIP switches quickly allow switching between switch/converter modes, and enable or disable Link Fault Pass Through (LFPT).



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 a wide operation temperature range of -40° - 75° C (-40° - 167° F).

FEATURES



Network Ports

1 x Gigabit Ethernet port and 1 x SFP port



DIP Switches

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



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 SFPs



Switching Capacity

4Gbps switching capacity



Jumbo Frame

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



Electro Magnetic Compliance

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



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

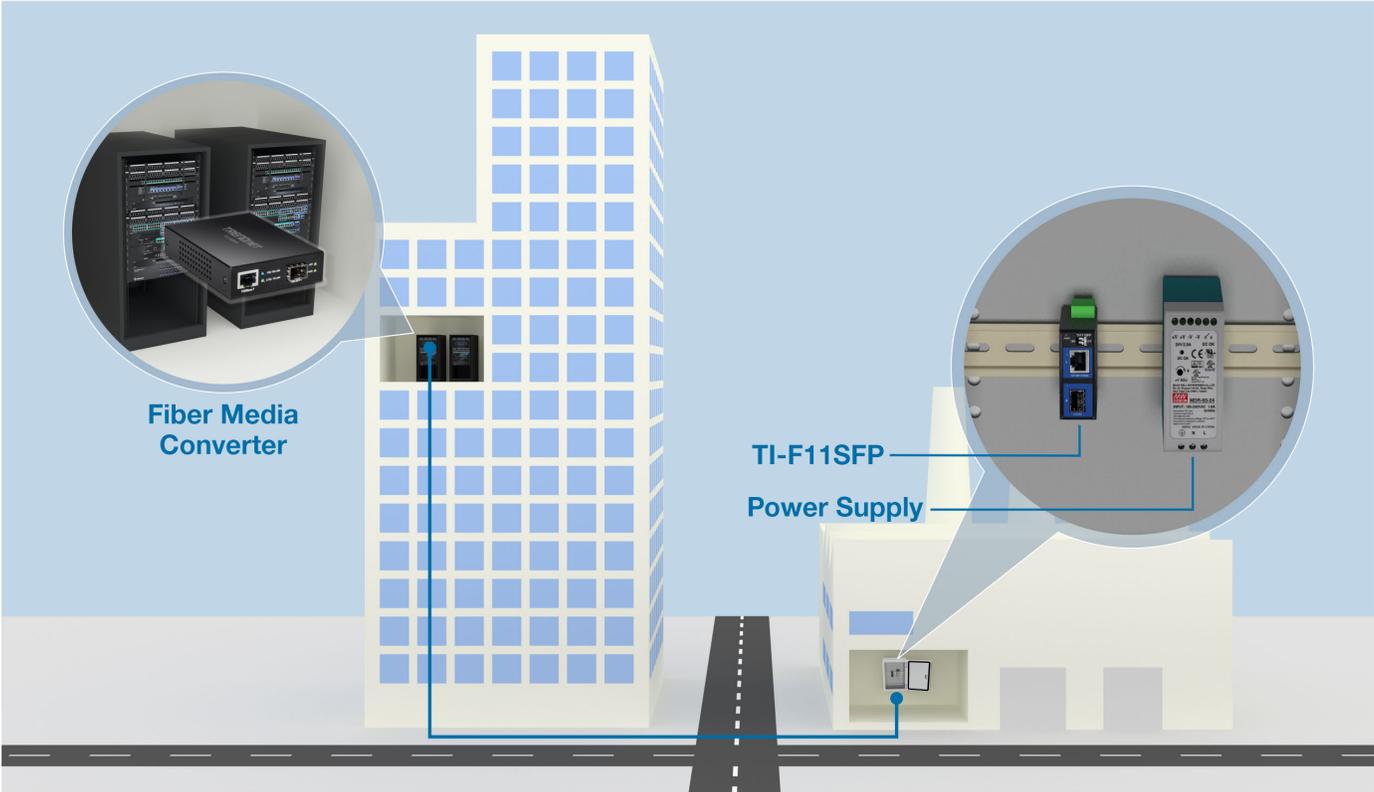
IP50 rated metal enclosure with included DIN-rail and wall mount hardware



Grounding Point

Grounding point protects equipment from external electrical surges

NETWORKING SOLUTION



SPECIFICATIONS

Standards

- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3ab
- IEEE 802.3z
- IEEE 802.3x

Device Interface

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

Data Transfer Rate

- Ethernet: 10Mbps (half duplex), 20Mbps (full duplex)
- Fast Ethernet: 100Mbps (half duplex), 200Mbps (full duplex)
- Gigabit: 2Gbps (full duplex)
- Fiber: 200Mbps (full duplex)
- Fiber: 2Gbps (full duplex)

Performance

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

Power

- Input: 12-60V DC
- Compatible power supply: TI-M6024 (sold separately)
- Max. consumption: 1.64W

Terminal Block

- 3-pin terminal block
- Wire range: 1.5mm²
- Solid wire (AWG): 16-28
- Stranded Wire (AWG): 16-28
- Torque: 3 lb. – In / 0.2Nm / 0.56Nm
- Wire strip length: 6-7mm

MTBF

- 4,800,000 hours @ 25° C

DIP Switch

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

Housing

- IP50 metal case
- DIN-Rail mount
- Wall mount
- Grounding point
- ESD 2kV protection
- 6kV RJ45 protection

Operating Temperature

- -40° - 75° C (-40° - 167° F)

Operating Humidity

- Max. 95% non-condensing

Dimensions

- 57 x 64 x 25mm (2.24 x 2.52 x 0.98 in.)

Weight

- 144g (5.08 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-F11SFP
- 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.