

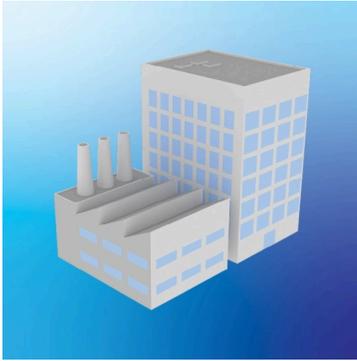


## Industrial 100Base-FX Single-Mode SC Fiber Converter (30 km, 18.6 mi.)

TI-F10S30 (v3.xR)

- Hardened IP50 rated 100Base-T Ethernet to 100Base-FX converter
- Up to 30km fiber networking distances
- 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 100Base-FX Single-Mode SC Fiber Converter (30 km, 18.6 mi.), model TI-F10S30, is a reliable IP50 rated single-mode SC-type media converter with hardened components rated for extreme industrial environments, and spans distances up to 30 km (18.64 mi.). 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

Rugged IP50-rated housing with a high degree of vibration and shock resistance, and an operating temperature range of -40° – 75° C (-40° – 167° F).

## FEATURES



#### Network Ports

1 x 100Mbps Ethernet port and 1 x single-mode SC-type port



#### DIP Switches

1: LFPT (Link Fault Pass Through) on/off (default ON) 2: Converter and Switch mode on/off (default Converter 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



#### 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 802.3x

### Device Interface

- 1 x 100Mbps Ethernet port (10/100Mbps)
- 1 x 100Mbps Single-Mode SC-type port
- 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)
- Fiber: 200Mbps (full duplex)

### Fiber

- Single-mode
- SC-type
- Wavelength: 1310nm
- Distance: up to 30km (18.64 mi.)

### DIP Switch

- 1: LFPT (Link Fault Pass Through) on/off (default ON)
- 2: Converter and Switch mode on/off (default Converter mode)

### Power

- Input: 12-60V DC
- Compatible power supply: TI-M6024 (sold separately)
- Max. consumption: 1.62W

### Terminal Block

- 3-pin terminal block
- Wire range: 1.5mm<sup>2</sup>
- Solid wire (AWG): 16-28
- Stranded Wire (AWG): 16-28
- Torque: 3 lb. – In / 0.2Nm / 0.56Nm
- Wire strip length: 6-7mm

### MTBF

- 5,206,779 hours @ 25° C

### Housing

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

### Operating Temperature

- -40° - 75° C (-40° - 167° F)

### Operating Humidity

- Max. 95% non-condensing

### Dimensions

- 60 x 60 x 25mm (2.24 x 2.24 x 0.98 in.)

### Weight

- 144g (5.1 oz.)

### Certifications

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

### Warranty

- 3 year

### Package Contents

- TI-F10S30
- 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.

TRENDnet offers a lifetime warranty for all of its metal-enclosed network switches that have been purchased in the United States/Canada on or after 1/1/2015. Cooling fan and internal power supply carry a one-year warranty.