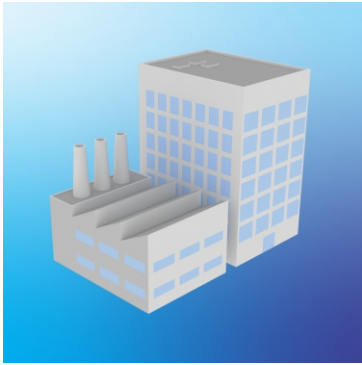# 2-Port Industrial SFP to Gigabit PoE++ Media Converter

TI-BF22SFP (v1.0R)

- 2 x Gigabit SFP ports
- 2 x Gigabit PoE++ RJ-45 ports
- Hardened IP30 rated metal housing
- Provides up to 90W for PoE, PoE+ and PoE++ compliant devices
- Includes DIN-Rail and wall mounts
- Extreme operating temperature range -40°– 75° C (-40° – 167° F)
- Overload current protection
- Powers supply sold separately (model TI-S15052)
- Lifetime Warranty

TRENDnet's 2-Port Industrial SFP to Gigabit PoE++ Media Converter, model TI-BF22SFP, converts two long distance fiber connections to copper connections, while providing power to PoE, PoE+, and PoE++ compliant devices, such as IP cameras, VoIP phones, and wireless access points. With an operating temperature range of -40°– 75 °C (-40° – 167 °F), the industrial PoE++ fiber media converter features a hardened IP30 rated metal housing suitable for tough, industrial environments. The industrial PoE++ fiber media converter's rugged design also provides protection from shock, freefall, and vibration.

Industrial Applications
Networks devices for manufacturing, general industrial, logistics, surveillance, and corporate applications.
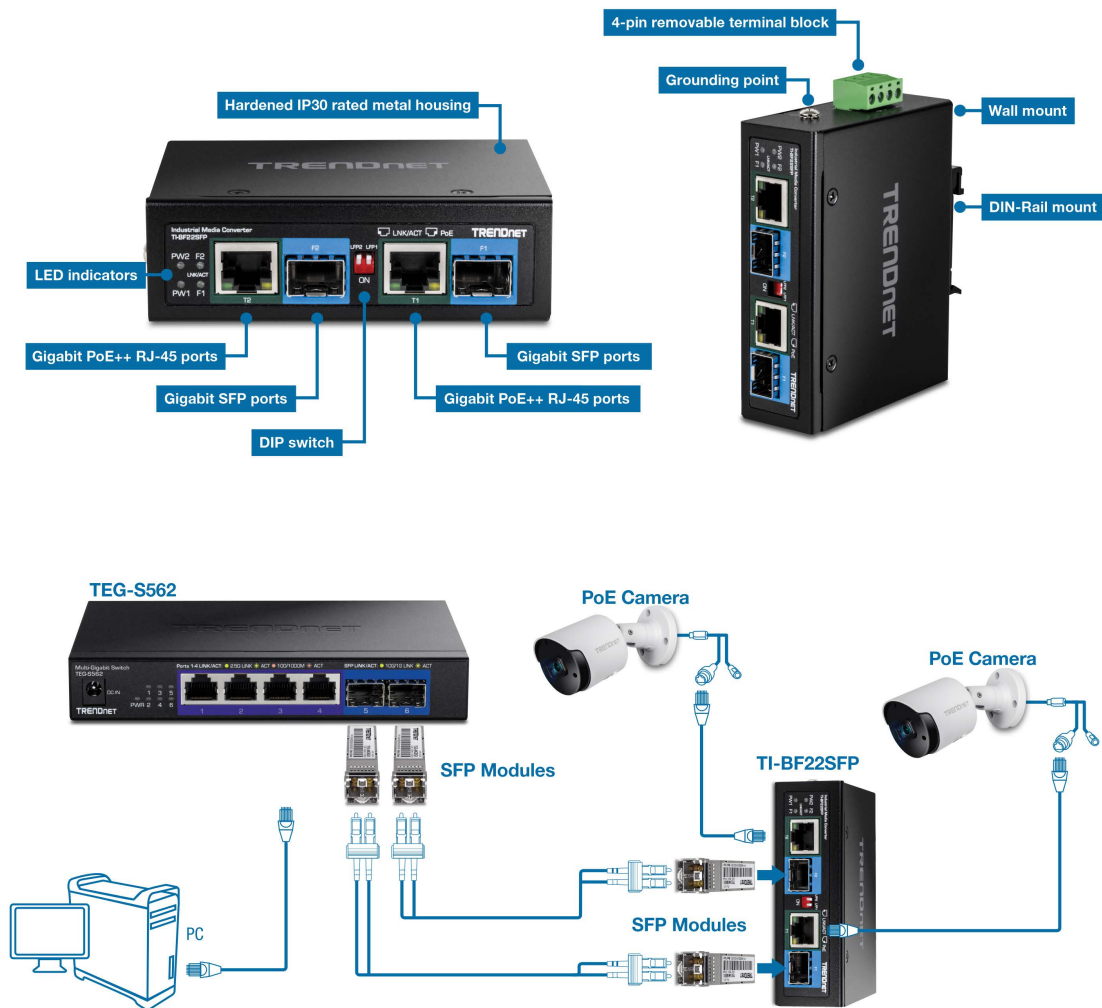
PoE++ Output
Converts long distance fiber to copper while providing power to PoE, PoE+, and PoE++ compliant devices, such as IP cameras and wireless APs.

Industrial Environments
Hardened IP30 converter for industrial networking environments, with a -40°–75° C (-40° – 167° F) operating temperature range.

NETWORKING SOLUTION

4-pin removable terminal block

Grounding point

Wall mount

DIN-Rail mount

Hardened IP30 rated metal housing

LED indicators

Gigabit PoE++ RJ-45 ports

Gigabit SFP ports

DIP switch

Gigabit SFP ports

Gigabit PoE++ RJ-45 ports

TEG-S562

PoE Camera

PoE Camera

SFP Modules

TI-BF22SFP

SFP Modules

PC

TRENDnet®

FEATURES

Network Ports
2 x Gigabit PoE++ Ethernet ports and 2 x Gigabit SFP ports

DIN-Rail/Wall Mounts
IP30 rated metal enclosure on the industrial PoE+ media converter includes DIN-Rail and wall mount hardware

Switching Capacity
4Gbps switching capacity

Jumbo Frame
Sends larger packets, or Jumbo Frames (up to 16KB), from the industrial PoE++ SFP media converter for increased performance

Operating Temperature
Hardened converter is rated for an extreme operating temperature range of -40°– 75° C (-40° – 167° F)

Electromagnetic Compliance
Complies with FCC Part 15 Subpart B Class A and CE Class A standards

Certifications
Rated for Information Technology Equipment (ITE) and Industrial, Scientific, and Medical (ISM) equipment

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

Grounding
Grounding point on this industrial PoE++ fiber media converter 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
- IEEE 802.3bt

Device Interface
- 2 x Gigabit SFP ports
- 2 x Gigabit PoE++ ports
- 4-pin removable terminal block
- LED indicators
- DIP switch
- DIN-Rail mount
- Wall mount
- Grounding point

Data Transfer Rate
- Gigabit: 2Gbps (full duplex)
- SFP: 2Gbps (full duplex)

Performance
- Data RAM buffer: 512KB
- MAC address table: 1K
- Jumbo frame: 16KB
- Switching fabric: 4Gbps

Special Features
- Hardened components rated for extreme temperatures
- Auto-Negotiation
- Automatic address learning and address aging

Power
- Input: 48 – 56V DC
- Required power supply: TI-S15052 (sold separately)
- Consumption: 3.84W (without PoE) @ 48V DC

PoE
- Pins 3, 4, 5, 6 for power (+) and pins 1, 2, 7, 8 for power (-)
- PoE budget: 90W

Terminal Block
- Power and relay inputs, 4 pin
- Wire range: 0.34mm^2 to 2.5mm^2
- Solid wire (AWG): 12-24/14-22
- Stranded wire (AWG): 12-24/14-22
- Torque: 5lbs. – In / 0.5Nm / 0.56 Nm
- Wire strip length: 7-8mm

DIP Switch
- 1: OFF: T1 LFP disabled (default), ON: LFP enabled
- 2: OFF: T2 SFP disabled (default), ON: LFP enabled

MTBF
- 551,468 hours

Housing
- IP30 rated metal housing
- DIN-Rail mount
- Wall mount
- Grounding point

Operating Temperature
- - 40° - 75° C (-40°- 167° F)

Operating Humidity
- Max. 95% non-condensing

Dimensions
- 104 x 81.5 x 32mm (4 x 3.2 x 1.2 in.)

Weight
- 176g (6.2 oz.)

Certifications
- CE
- FCC
- Shock (IEC 60068-2-27)
- Freefall (IEC 60068-2-32)
- Vibration (IEC 60068-2-6)

Warranty
- Lifetime

Package Contents
- TI-BF22SFP
- Quick Installation Guide
- Removable terminal block
- DIN-Rail and 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.