



10/100/1000Mbps SFP Fiber Media Converter

10/100/1000Base-TX to 1000Base-FX SFP Slot



Overview

This 10/100/1000M Gigabit Ethernet converter is used in backbone network transmission and is primarily used for Gigabit Ethernet devices links. It converts Optical-Electric Ethernet signals between 10/100/1000M UTP interface (TX) and 1000M SFP socket (FX). According to customers' requirements, this media converter supports single-mode and multi-mode fibers with a transmission distance of up to 120 km for single-mode fiber and 550 m for multi-mode fiber. It extends the transmission distance through its photoelectric conversion network. The media converter takes advantage of intelligent connection technology to provide auto-negotiation thereby eliminating the need to manually configure or monitor settings.

Key Features

* Modular design, plug and play



* Complies with IEEE 10/100Base-TX, IEEE 802.3ab 1000Base-T and IEEE 802.3z 1000Base-SX/LX standards

* Auto negotiation function allows UTP ports to auto select 10/100/1000M and Full Duplex or Half Duplex

* Available in single fiber WDM versions - 1310/1550 nm wavelengths used

* Supports automatic cross of twisted pair ports

* Alarm LED illuminates to indicate link failure, status LEDs for easy monitoring of device's status

Technical Specifications

Parameters	Specifications
Standards	IEEE802.3z 1000Base-SX/LX , IEEE802.3ab 1000Base-T Gigabit Ethernet IEEE802.3u,100Base-TX, IEEE 802.3 10Base-T
Wavelength	Multi-mode: 850 nm Single-mode: 1310 nm, 1550 nm
Transmission Distance	Fiber: Multi-mode: 550 m (fiber size: 50/125 μm) Single-mode: 10/20/50/80 km (fiber size: 8.3/125, 8.7/125, 9/125 or 10/125 μm) UTP: Cat. 5e or Cat. 6: 100 m
Port	One RJ45 port, One SFP Socket
MDI/MDI-X	Auto selection
Mac address table	4K
Memory buffer	256K
Jumbo Frame	9216 bytes



LED Indicator	PWR: Illuminated for normal operation LNK/ACT: Fiber link – Illuminated when receiving link pulses from compliant devices, Flashing when data packets are being transmitted/ received
Power Supply	Outside: 5V DC 1 A Built-in: 100 V to 240 V AC 50Hz to 60 Hz
Operating Temperature	0 °C to +70 °C
Storage Temperature	-20 °C to +80 °C
Storage Humidity	5% to 90% (non-condensing)

Order Information

Model	Description
NF-C550-SFP	10/100Base-Tx to 100Base-FX, SFP to RJ45 media converter
NF-C2200-SFP	10/100/1000Base-Tx to 1000Base-FX, SFP to RJ45 media converter