

**SFP & MEDIA
CONVERTER**



BY FIBER SYSTEM

PRODUCT MANUAL

FIBER MEDIA CONVERTER 20KM

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Product Overview

The Gigabit fiber media converter provides a cost-efficient way to connect your Ethernet network to remote devices over a fiber backbone.

It features an open SFP slot that lets you choose the MSA-compliant Gigabit SFP that best suits your fiber connection mode (single / multimode) and distance requirements.

Fully compatible with 10/100/1000Base-T Ethernet networks, the fiber media converter supports auto negotiation to bridge different speed networks and devices to a Gigabit fiber network.

It provides versatile connectivity to your existing networks and devices, allowing you to maximize the usage and performance of legacy equipment.

Main Characteristics



- Plug and play, high performance, Low power consumption
- Card-type or stand-alone, apply in centralized management 2U aluminum chassis
- Complies with IEEE802.3 (10BASE-T) and IEEE802.3u (100BASE-TX/FX) standards
- Electrical port supports Auto-Negotiation for 10 Mbps or 100 Mbps, full duplex or half duplex data.

- Automatic MDI/MDI-X crossover
- Distances up to: 20 km Single Mode
- SC optical connectors.
- AC/DC powered
- Status LED's for TX,FX LINK/ACT, POWER,100M to easily monitor network status
- CE approved
- Cache is 512KB, MAC address table is 4KB

Technical Specifications

Product Name	10/100M Single Fiber ,Single Mode, Fiber Media Converter
Model	EF-5500SA
Standards	IEEE 802.3i, IEEE 802.3u, IEEE 802.3x Flow Control, IEEE 802.1af D TE Power via MDI
Wavelength	Single Mode: 1310nm,1550nm
Port	One RJ45 port, One Fiber(SC)
Network Media	10BASE-T: Cat3,4,5 UTP(≤100 meter) 100BASE-TX: Cat5 or more UTP (≤100 meter)
Forward Mode	Store and forward
LED Indicator	PWR: Green Illuminated to indicate unit is operating under normal operation TX Link/ACT: Green Illuminated indicates receiving link pulses from compliant copper device and flashes when data being sent / received FX Link/ACT: Green Illuminated indicates receiving link pulses from compliant fiber device and flashes when data being sent / received 100M: Green Illuminated when data packets are being transmitted at 100 Mbps
Power Supply	DC5V1A
Environmental requirements	Operating Temperature: 0°C~+70°C Storage Temperature: -45°C~+95°C Relative Humidity: 0~95% (non-condensing)
Transmission Distance	Fiber: Single Mode,20km; UTP: Cat.5/6, 100m
Diemension	11cm*7cm*2.5cm



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