

Gigabit Fiber Media Converter - 1000Base-SX, SC Multimode, 550m, 850nm

The Gigabit Fiber Media Converter - 1000Base-SX, SC Multimode, 550m, 850nm provides seamless conversion between 10Base-T, 100Base-TX, or 1000Base-T and 1000Base-SX/LX with full-duplex 1000M operation. With an advanced HIC solution and a low-temperature-rise chip, this media converter eliminates the need for a cooling system while supporting flow control and reducing broadcast storms.

Equipped with a premium optical-electronic-integration module, the converter ensures reliable data transmission and a long operational lifespan. It supports broadcast filtering, automatic address learning, and updating, while utilizing a store-and-forward operating mechanism for efficiency. The converter also offers full-duplex flow control or half-duplex backpressure, along with Auto-negotiation for optimized performance.

Designed for high-capacity data handling, the media converter is capable of transmitting 9kB jumbo packets using the store-and-forward mode. Indicator lights provide real-time diagnostics for link-loss, electrical and optical link status, dynamic data transmission, full/half duplex modes, and data rates.

With an MTBF of over 50,000 hours, this converter meets telecom operational standards. It also supports a variety of optical port configurations, including dual fiber (MM), dual fiber (SM), and single fiber (SM), making it a versatile and reliable solution for your networking needs.



Technical Parameter:	
Access Method:	10/100/1000Mbps
Standard:	IEEE802.3,IEEE802.3u,IEEE802.3ab ,IEEE802.3z ,IEEE802.1q,IEEE802.1p,IEEE802.1d
Wavelength:	850nm/1310nm/1490nm/1550nm
Distance:	Dual Fiber MM :550m Dual Fiber SM : 10/20/30/50/80Km , Single Fiber SM : 20/40/60/80Km CAT5:100m
Conversion Method:	Media Conversion
Time Delay:	<10μs
BER:	<1/1000000000
LED Indicator Lamps:	1000M ,100M, FX LINK/ACT, TP LINK/ACT,FDX,POWER
Power Supply:	DC5V 1A (external power), AC100-260 0.5A /DC-48(internal power)
Power Dissipation:	3W
Operating Temperature:	0~50°C
Working rate	10/100/1000Mbps
Storage Humidity	5%~90%
Storage Temperature	-40~ 70 °C
Working humidity	5%~90% non-condescending