Gigabit SM MM Mode Converter

1. Product Description

OPTINET mode converter are applied in Gigabit Ethernet Network which is wired with both single mode fiber and multi-mode fiber. It can not only fulfill the conversion of single mode and multi-mode at 1310nm wavelength, but also that of 850nm 1310nm and 1550nm wavelengths. So customer can convert Multimode to Single connection or Singlemode different wavelength.

2. Features

- Supporting IEEE802.3z 1000Base-SX/LX standards
- Supporting full-duplex/half-duplex transmission mode
- Supporting conversion between 850nm multi-mode and 1310/1550nm single mode fiber
- Supporting direct and transparent transmission of packets at different lengths

3. Specification

Parameter	Specifications
Access mode	1000Mbps
Standard	IEEE802.3z 1000Base-SX/LX Gigabit Ethernet
Wavelength	850nm/1310nm/1550nm
Transmission Distance	Dual-fiber multi-mode: 220m (62.5/125μm)/500m (50/125μm) Dual-fiber single mode: 20/40/60/80km;

Port	One multi-mode optical port: SC/ST/FC One single-mode optical port: SC/ST/FC
Conversion Mode	Media Conversion
BER (Bit error rate)	<1/10000000000
MTBF	100,000 hours
LED indicator	PWR (power supply) SM LINK (single mode optical link) MM LINK (multi-mode optical link)
Power supply	External: AC220V, Built in DC48V
Power consumption	< 3.5W
Operating temperature	-10~55ºC
Operating humidity	5%~90%
Storage temperature	-40~70ºC
Storage humidity	5% ~ 90% (non-condensing)
Dimensions	26mm (H) x 70mm (W) x 95mm (D) External Power