
Gigabit single-mode to multi-mode converter

Information

Gigabit single-mode and multi-mode converters use optical-electrical-optical wavelength and wavelength division multiplexing (DWDM/CWDM) technology. When used with wavelength division multiplexers, they can achieve single-channel or multi-channel long-distance transmission of optical signals in a single fiber. They provide a full range of fast Ethernet media conversion equipment, and can extend multi-mode optical fiber to single-mode optical fiber. The transmission distance can reach up to 120km. Extending dual-fiber optical fiber to single-fiber optical fiber can solve the problem of shortage of optical cable resources.



Feature

- *Supported protocols: IEEE802.3U 100BASE-FX;
- *Support full-duplex and half-duplex network communications with automatic negotiation capabilities;
- *Can be converted between 850nm/1310nm multi-mode dual-fiber and 1310nm/1550nm single-mode optical fiber;
- *Support transparent transmission between data packets of various lengths
- *Built-in high-frequency communication dedicated power supply, providing wide voltage power supply and operating temperature range
- *Provide optical fiber connection status indicator, multi-mode (MM) and single-mode (SM) status lights, debugging is more convenient
- *Support built-in, 2U rack-mounted conversion, convenient for users to install
- *Support dual-fiber multi-mode, dual-fiber single-mode and single-fiber single-mode multiple optical fiber interface options, expanding user needs
- *The average trouble-free working time is more than 100,000 hours, in line with telecommunications-level operation standards;

Specs

Protocol Standards	<p>IEEE802.3 10Base-T</p> <p>IEEE802.3u 100Base-TX/FX</p> <p>IEEE802.3ab 1000Base-T</p> <p>IEEE802.3z 10GBase-SX/LX</p>	<p>IEEE802.3x Flow control</p> <p>IEEE802.1q VLAN</p> <p>IEEE802.1p QoS</p> <p>IEEE802.1d Spanning Tree</p>
Optical port parameters:	<p>Optical port connector: multi-mode dual-fiber to single-mode dual-fiber</p> <p>Transmission rate:1.25Gbps</p> <p>Fiber wavelength:850nm/1310nm/1490nm/1550nm</p> <p>Fiber Type:SM 9/125μm , MM 50/125μm、62.5/125μm</p> <p>Transmission distance:550m ~ 100km</p>	
Performance Specifications:	<p>Forwarding mode: store and forward</p> <p>Transmission mode: Full-duplex/half-duplex adaptive</p> <p>MAC address table: 2K</p> <p>Frame Memory:1Mbit</p> <p>Network latency:≤20μs</p>	
power supply:	<p>Power type: External power supply</p> <p>Power input voltage:AC100V ~ 240V 50/60Hz</p> <p>Machine power connector: DC socket</p> <p>Machine operating voltage:5V</p> <p>Machine power consumption:0.75W ~ 3W</p>	
working environment:	<p>Storage temperature:-20 ~ 70°C</p> <p>Operating temperature:-10 ~ 55°C</p> <p>Working humidity: 5% to 90% without condensation</p>	
Size	<p>Size:93×70×26mm</p> <p>Weight:0.45kg</p> <p>Body color: Metal, Black</p>	