Fiber Optic Converter

::: Multimode To Singlemode 100Mbs :::

Single/multimode converters are designfor used in 100 Mbps fast Ethernet Network for the fiber optic cabling conversion between multimode fiber and singlemode fiber for 850nm/1310nm and 1550nm wavelengths. It allow transmission in multimode dual fiber, singlemode dual fiber and singlemode single fiber.

::: Features :::

- Support IEEE802.3z 100Base-SX/LX standards
- Support full-duplex/half-duplex
- Support conversion between 850nm multi-mode fiber and 1310nm/1550nm single mode fiber
- Support direct and transparent transmission of packets at different lengths
- Support the transmission of extra-long VLAN packets
- Support Quality of Service (QoS) and ensuring the transmission of VoIP packets;
- Support STP to form a redundant network;
- Low power consumption, low heat, reliable, and stable performance, and long lifetime;
- Options in single mode in dual fiber, multi-mode in dual fiber, and single mode in single fiber.

::: Specification :::

Standards	Ethernet, IEEE802.3u, 100Base-TX-FX Fast Ethernet, IEEE802.1q VLAN IEEE802.1p QoS, IEEE802.1d Spanning Tree
Wavelength	850nm/1310nm/1550nm
Transmission Distance	Multi-mode Dual-fiber: 2km Single mode Dual-fiber: 20/40/60/80/100/120Km: Single mode single fiber:20/40/60/80/100KM
Port	One multi-mode optical port: Multi-mode: SC(50, 62.5/125µm) One single mode optical port: single mode: SC (9/125µm) Single mode single fiber: SC (9/125µm)
Conversion means	Media conversion
Delay	<0.9us
BER	<10
MTBF	100,000 hours
LED indicator	PWR (power supply) SM LINK (single mode optical link) SM LINK (single mode optical link action) MM LINK (multi-mode optical link) MM LINK (multi-mode optical link action)
Power supply	DC 5V 1A
Power consumption	3.5W
Operating temperature	10~55°C
Operate humidity	5%~90%
Maintaining temperature	-40~70°C
Maintaining humidity	5%~90% non-condensing
Dimensions	24mm (H) x 59mm (W) x 98mm (D)

::: Ordering Information :::

Part Number	Description
LTCV-SMMM-SC-20	100 Base - FX SC multimode 2 Km to SC Singlemode 20 Km 1310/850(1310)nm
LTCV-SMMM-SC-40	100 Base - FX SC multimode 2 Km to SC Singlemode 40 Km 1310/1310nm
LTCV-SMMM-SC-60	100 Base - FX SC multimode 2 Km to SC Singlemode 60Km 1310/1310nm
LTCV-SMMM-SC-100	100 Base - FX SC multimode 2 Km to SC Singlemode 100 Km 1550/1310nm

::: Multimode To Singlemode - 1000Mbs :::

Single/multimode converters are design for used in 1000 Mbps fast Ethernet Network for fiber optic cabling conversion between multimode fiber and singlemode fiber at 850nm/1310nm and 1550nm wavelengths. It allow transmission in multimode dual fiber, singlemode dual fiber and singlemode single fiber.

::: Features :::

- Support IEEE802.3z 100Base-SX/LX standards
- Support full-duplex/half-duplex
- Support conversion between 850nm multi-mode fiber and 1310nm/1550nm single mode fiber
- Support direct and transparent transmission of packets at different lengths
- Support the transmission of extra-long VLAN packets
- Support Quality of Service (QoS) and ensuring the transmission of VoIP packets;
- Support STP to form a redundant network;
- Low power consumption, low heat, reliable, and stable performance, and long lifetime;
- Options in single mode in dual fiber, multi-mode in dual fiber, and single mode in single fiber.

::: Specification :::

Standards	IEEE802.3z 1000Base-SX/LX Gigabit Ethernet, IEEE802.1q VLAN IEEE802.1p QoS, IEEE802.1d Spanning Tree
Wavelength	850nm/1310nm/1550nm
Transmission Distance	Multi-mode Dual-fiber: 220m (62.5/125μm)/500m (50/125μm) Single mode Dual-fiber: 20/40Km: Single mode single fiber:20/40KM
Port	One multi-mode optical port: Multi-mode: SC(50, 62.5/125μm) One single mode optical port: single mode: SC (9/125μm) Single mode single fiber: SC (9/125μm)
Conversion means	Media conversion
Delay	<0.3us
BER	<10-9
MTBF	100,000 hours
LED indicator	PWR (power supply) SM LINK (single mode optical link) MM LINK (multi-mode optical link)
Power supply	AC220V 0.3A/DC-48V 0.5A
Power consumption	3.5W
Operating temperature	10~55°C
Operate humidity	5%~90%
Maintaining temperature	-40~70°C
Maintaining humidity	5%~90% non-condensing
Dimensions	26mm (H) x 85mm (W) x 135mm (D) (internal power supply) 110mm (H) x 22mm (W) x 81mm (D) (card type)

::: Ordering Information :::

Part Number	Description
LTCV-SMMM-SC-G20	1000Base - FX SC multimode 500m to SC Singlemode 20 Km 1310/1310nm
LTCV-SMMM-SC-G40	1000Base - FX SC multimode 500m to SC Singlemode 40 Km 1310/1310nm