

10/100/1000 fiber media converters

The 10/100/1000 Media Converter provides an intelligent solution for long distance connections between legacy 10BaseT and 100BaseTX networks and the newer 1000Base Gigabit Ethernet networks. The built-in 10/100/1000 converter enables the fiber cable connection to operate at 1000 Mbps connected to either a 10BaseT, 100BaseTX, or a 1000BaseT network, while remaining completely 1000BaseSX standard-compliant for the fiber optic connection. The fiber connection can also operate in full duplex mode whether the RJ-45 port is connected to a full duplex switch or a half duplex hub.

Each Media Converter provides a 10/100/1000BaseT/TX auto-negotiating RJ-45 twisted-pair connector port featuring store-and-forward switching architecture. The Built-in switch does the network segmentation to provide the maximum fiber distance. Auto-MDIX capability on the twisted-pair port allows convenient connection.



Description:

10/100/1000M Ethernet media converter adopts switching technology to fulfill media conversion. It complies with IEEE802.3z and IEEE802.3ab standards, and supports two types of media network connections: 10/100/1000Base-T and 1000Base-SX/LX. It inter-converts electrical signals of 10/100/1000Base-T twisted pairs with optical signals of 1000Base-SX, extending the transmission distance of a network from 100m via copper cables to 80km via fiber optical cables. It supports transmission in multi-mode dual fiber; single-mode dual fiber, single-mode single fiber. Red color case can be changed to black colour on request.

Features:

- Supporting inter-conversion between 10/100/1000Base-T and 1000Base-SX
- Supporting full-duplex and half-duplex and its auto-sensed
- Supporting automatic cross connection of twisted pair interfaces, facilitating system commissioning and installation
- Supporting the transmission of extra-long VLAN packets
- Supporting Quality of Service (QoS) and ensuring the transmission of VoIP packets
- Supporting STP to form a redundant network

Part number	Data rate	Media type	Wavelength	Connector	Distance
10/100/1000 double fiber optical converters					
MC2FM1000/13/2G	10/100/1000	MMF	850	SC Duplex	550 m
MC2FS1000/13/20G	10/100/1000	SMF	1310	SC Duplex	20 km
MC2FS1000/13/40G	10/100/1000	SMF	1310	SC Duplex	40 km
MC2FS1000/15/60G	10/100/1000	SMF	1550	SC Duplex	60 km
10/100/1000 BiDirectional fiber optical converters					
MC1FS1000/13/20G	10/100/1000	SMF	1310/1550	SC Simplex	20 km
MC1FS1000/15/20G	10/100/1000	SMF	1550/1310	SC Simplex	20 km
MC1FS1000/13/40G	10/100/1000	SMF	1310/1550	SC Simplex	40 km
MC1FS1000/15/40G	10/100/1000	SMF	1550/1310	SC Simplex	40 km
MC1FS1000/14/60G	10/100/1000	SMF	1490/1550	SC Simplex	60 km
MC1FS1000/15/60G	10/100/1000	SMF	1550/1490	SC Simplex	60 km