

10/100 fiber media converters

Media Converters provide an intelligent solution for fiber optic connectivity where simplicity, low cost, and minimum footprint are the primary considerations. The converters are designed to handle both legacy 10BaseT and 100BaseTX Fast Ethernet devices on their twisted pair port while maintaining 100BaseFX Fast Ethernet transmission on the fiber optic port. Plug-and-play simplicity makes connection easy.



Description:

MC series Ethernet media converter can interconvert electrical signals of 10Base-T and 100Base-TX twisted pairs with optical signals of 100Base-FX. It extends the network transmission distance from 100m via copper cables to 120km via fiber optical cable. It enables the data to transmit in two different mediums of electrical and optical networks either by the technology of data link L2 store-and-forward, or by the one of PHY L1 cut-through). Red color case can be changed to black color on request.

Features:

- 10/100Mbps auto-sensed, facilitating network upgrade
- Supporting Link Failure Alert (LFA) with optional dip-switch(unique)
- Supporting half /full-duplex of FX and link failure alert with optional dip-switch
- Supporting 10/100Mbpsstore-and-forwardand 100Mbps-cut-throughtransmissionwithoptionaldip-switch(unique)
- Supporting the transmission of extra-long packets up to1600 bytes
- Supporting Quality of Service (QoS) , ensuring the transmission of VoIP packets
- Supporting STP to form a redundant network
- Extremely low power consumption (less than 2W), low heat, reliable and stable performance, and long lifetime

Part number	Data rate	Media type	Wavelength	Connector	Distance
10/100 double fiber optical converters					
MC2FM100/13/2G	10/100	MMF	1310	SC Duplex	2 km
MC2FS100/13/20G	10/100	SMF	1310	SC Duplex	20 km
MC2FS100/13/40G	10/100	SMF	1310	SC Duplex	40 km
MC2FS100/13/60G	10/100	SMF	1310	SC Duplex	60 km
MC2FS100/15/80G	10/100	SMF	1550	SC Duplex	80 km
MC2FS100/15/100G	10/100	SMF	1550	SC Duplex	100 km
MC2FS100/15/120G	10/100	SMF	1550	SC Duplex	120 km
10/100 BiDirectional fiber optical converters					
MC1FS100/13/20G	10/100	SMF	1310/1550	SC Simplex	20 km
MC1FS100/15/20G	10/100	SMF	1550/1310	SC Simplex	20 km
MC1FS100/13/40G	10/100	SMF	1310/1550	SC Simplex	40 km
MC1FS100/15/40G	10/100	SMF	1550/1310	SC Simplex	40 km
MC1FS100/13/80G	10/100	SMF	1310/1550	SC Simplex	80 km
MC1FS100/15/80G	10/100	SMF	1550/1310	SC Simplex	80 km

* H – HP; C- Cisco; I – Intel compatible. Usually all other vendors are compatible with Cisco configuration.