

Product Specification

MC-213, MC-413, MC-615, MC-815 10/100M Dual Fiber Media Converter



1. Features

- LFPT (Link Fault Pass Through) Function optional
- Provide one fiber connector and one UTP connector
- Fully Complies with IEEE802.3 10Base-T, IEEE802.3u 100Base-TX/FX standard
- Auto-detection of half/full duplex transfer mode for Tx port
- Auto-negotiation of 10/100Mbps rate and Auto-MDI/MDIX for Tx port
- Provide switch configuration of half/full duplex transfer mode for Fx port
- Extend fiber distance up to 2km for multi-mode fiber and 20-120km for single-mode fiber
- Indication light: FEF, SPD, FXL, TXL, PWR, FDX
- Easy-to-view LED indicators provides status to easily monitor network activity
- External power supply and Internal Power Supply

2. Product Description

MC-213, MC-413, MC-615, MC-815 Media Converter is 10/100Mbps Fast Ethernet Converter. The Converter mediates between a 10/100Base-Tx segment and a 100Base-FX segment. It is primarily designed for large, higher speed/bandwidth demanding workgroups that require expansion of the Ethernet network. It can extend the conventional 10M Ethernet or 100M Fast Ethernet to 20km-120km via the fast Ethernet Fiber-optical Line. It is high-performance, cost effective and flexible solutions for a wide range of applications in the field of LAN campus network.

3. Specification:

Standard	IEEE802.3 10BASE-T Ethernet IEEE802.3u 100BASE-TX/FX Fast-Ethernet IEEE802.3x		
RJ-45 Port	Auto-MDI/MDIX		
Fiber Port	Fiber Type	Wavelength	Send-Power
	SC/ST/FC	850/1310/1550nm	MMF: -20 dBm (min.) -10 dBm (max.) SMF: -20 dBm (min.) 0 dBm (max.)
Network Cable	10BASE-T: Category 3,4 or 5 UTP/STP (Max: 100m) EIA/TIA- 568 100 Ω STP (Max: 100m) 100BASE-TX: 2pairs of category 5 UTP (Max: 100m) EIA/TIA- 568 100 Ω STP (Max: 100m) 100BASE-FX: MMF: 50/125,62.5/125,100/140μm (maximum 2km) SMF: 8.3/125,8.7/125,9/125,10/125μm (20~120km)		
Dimensions (W x D x H)	94 x 71 x 27mm (External power) 157 x 129 x 32 mm (Internal power)		
Input Voltage	DC5V1A (External power input : AC100V-AC240V/50-60HZ) AC100V-AC240V and DC-48V is optional (Internal power)		
Power Consumption	5w (External Power)		
Operation Temperature	0°C~70°C		
Store Temperature	-40°C~85°C		
Humidity	5%~95% non-condensing		
Net Weight	0.45kg (External Power), 0.85kg (Internal Power)		

4. Ordering Information

Part Number	Detail Description
MC-213	Dual Fiber, Singlemode, 100Mb, 20km, SC Interface TX/RX 1310nm
MC-413	Dual Fiber, Singlemode, 100Mb, 40km, SC Interface TX/RX 1310nm
MC-615	Dual Fiber, Singlemode, 100Mb, 60km, SC Interface TX/RX 1550nm
MC-815	Dual Fiber, Singlemode, 100Mb, 80km, SC Interface TX/RX 1550nm