

Product Specification

MC-2013W, MC-2015W, MC-4013W, MC-4015W, MC-6013W, MC-6015W, MC-8013W, MC-8015W Single Fiber Media Converter



1 Features

- Provide one fiber connector and one UTP connector
- Fully Complies with IEEE802.3 10Base-T, IEEE802.3u 100Base-TX/IEEE802.3ab 1000Base-TX, IEEE802.3z 1000Base-FX Standard
- Auto-detection of half/full duplex transfer mode for Tx port
- Auto-negotiation of 10/100/1000Mbps 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 550m for multi-mode fiber and 10-100km for single-mode fiber
- Indication light: LOS, 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-2013W, MC-2015W, MC-4013W, MC-4015W, MC-6013W, MC-6015W, MC-8013W, MC-8015W Serial Media Converter is 10/100/1000Mbps Fast Ethernet Converter. The converter mediates between a 10/100/1000Base-Tx segment and a 1000Base-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 100/1000M Fast Ethernet to 20km-100km 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. Technical Specification

Standard	IEEE802.3 10BASE-T Ethernet IEEE802.3u 100BASE-TX/FX Fast-Ethernet IEEE802.3z/ab 1000BASE-FX/TX 1000M-Ethernet IEEE802.3x
RJ-45 Port	Auto-MDI/MDIX
Fiber Port	Fiber Type
	Wavelength
	Send-Power
	SC/ST/FC
	1310/1490/1550nm
	SMF: -20dBm (min.) 0dBm (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)
	1000BASE-TX: Category 5 UTP/STP (Max: 100m)
	1000BASE-FX: MMF: 50/125,62.5/125,100/140μm (maximum 550m) SMF: 8.3/125,8.7/125,9/125,10/125μm (10~100km)
Dimensions (W x D x H)	94 x 71 x 27mm (External power)
	157 x 129 x 32 mm (Internal power)
Input Voltage	DC 5V, 1A (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	0.45 kg (External Power), 0.85 kg (Internal Power)

4. Order Information

Part Number	Detail Description
MC-2013W	Single Fiber, Singlemode, 1000Mb, 20km, SC Connector TX1310 RX1550 5V DC ext.Power suply
MC-2015W	Single Fiber, Singlemode, 1000Mb, 20km, SC Connector TX1550 RX1310 5V DC ext.Power suply
MC-4013W	Single Fiber, Singlemode, 1000Mb, 40km, SC Connector TX1310 RX1550 5V DC ext.Power suply
MC-4015W	Single Fiber, Singlemode, 1000Mb, 40km, SC Connector TX1550 RX1310 5V DC ext.Power suply
MC-6013W	Single Fiber, Singlemode, 1000Mb, 60km, SC Connector TX1310 RX1550 5V DC ext.Power suply



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Part Number	Detail Description
MC-6015W	Single Fiber, Singlemode, 1000Mb, 60km, SC Connector TX1550 RX1310 5V DC ext.Power suply
MC-8013W	Single Fiber, Singlemode, 1000Mb, 80km, SC Connector TX1310 RX1550 5V DC ext.Power suply
MC-8015W	Single Fiber, Singlemode, 1000Mb, 80km, SC Connector TX1550 RX1310 5V DC ext.Power suply