

# Product Specification

## MC-2013

### 10/100/1000 Dual Fiber Ethernet Media Converter



#### 1. Features

- IEEE 802.3 10Base-T, 802.3u 100Base-TX, 802.3ab 1000Base-TX and FX Standard
- Conform to 10Base-T, 100Base-TX, 1000Base-T and 1000Base-Sx/Lx/Zx specifications
- Fiber port supports multimode, single-mode, and single-fiber with SC, FC and MT-RJ connectors
- UTP port supports 10/100/1000 and Half/Full-Duplex auto-negotiation
- Store and Forward Switching Mechanism
- Auto-Cross over for MDI/MDIX in TP port
- Support 4K MAC address
- Support 256K Byte Packet Buffer
- LED indication: SPD, FRX, FDX, TRX, POW.

#### 2. Product Description

MC-2013 Series Converter is designed to fit into a series of 2U Chassis. This stand alone converter adapts the emerging A-GEAR technology and able to expand a copper based network from 550M up to 80KM through a single optical fiber and existing dual fiber. MC-2013 Series is fully compliant with IEEE802.3, 802.3u and 802.3ab standards. The installation & operation procedures of the MC-2013 Series are simple & straight forward. Diagnostic LEDs located in the front panel indicate the real time operating status.

### 3. Technical Specification

Parameter	Specifications
Standard	IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab, 1000Base-TX/FX
Interface	10/100/1000Mbps RJ45 port x 1 1000Mbps FX port x 1
Diagnostic LEDs	SPD, FRX, FDX, TRX, POFF
Mac address table	4K
Memory buffer	256K
Forward / Filter Rate	10M: 14,880/14,880pps 100M: 148,800/148,800pps 1000M: 1,488,000/1,488,000pps
External Power adapter	Input AC 120V-240V
Voltage requirement	DC 5V
Power Consumption	4.2W
Temperature Operation	0°C ~ 70°C
Temperature Storage	-40°C ~ 85°C
Humidity	5% ~ 90% non-condensing
Dimension Size	155 x 126 x 41 (mm) (W x D x H)
Shipping Weight	0.8 kg
Emission/Safety	FCC Class A, CE