

## 1 Gbs Media Converter

The MC1000 family is a 1000Base-T to 1000Base-SX/LX Gigabit Ethernet Media converter. It features one STP RJ-45 1000Base-T port and one port to fibre optic cabling full-duplex mode operation



Full duplex cabling provides bandwidth up to 2000Mbps and allows the transmission distance of up to 550m over multimode fibre and up to 20Km (12.4mi) over single mode fibre.

The SC connector is standardized for interfacing fibre cable. The converters can be used as a standalone unit (wall mountable) or as a slide-in module in the 19. media conversion rack (up to 16 converters) for use in a central wiring closet

## Specifications

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### Standards

Compliant with IEEE802.3ab 1000Base-T and IEEE 802.3z 1000Base-SX/LX

### Twisted Pair Connector

One Port 1000Base-T with RJ45 connector

### Fibre Port Connector

One Port Multi-Mode or Single Mode fibre optic with SC Connector

### Twisted Pair Cable

Cat.5 EIA/TIA-568 100-ohm STP cable, up to 100m

### Fibre Optic Cable

1000Base-SX: 62.5/125µm Multi-Mode cable, up to 220m

50/125µm Multi-Mode cable, up to 550m

1000Base-LX: 62.5/125µm Multi-Mode cable, up to 550m

50/125µm Single Mode cable, up to 20Km

### Data Transfer Rate

Gigabit Ethernet 2000Mbps (Full-Duplex)

### Power Adaptor

7.5VDC/1.5A,

Power consumption : 7.2 watts (max)

### LED Indicators

Power/Link/Activity/Full-duplex

### Humidity

Operating: 10% - 90% RH

Storage: 5% - 90% RH

### Dimensions

120(W) x 88(D) x 25(H) mm

### Temperature

Operating: 0° ~ 40°C

(32° ~ 104°F)

### Storage

-25° ~ 70°C

(13° ~ 158°F)

### Certifications

CE Mark Class A, FCC Part 15 Class A, VCCI-A

## Ordering Information

1000Base-T to 1000Base-SX multi-mode fibre with SC Connector  
MEDIACON1000T-SX

1000Base-T to 1000Base-LX multi-mode 10KM fibre with SC Connector  
MEDIACON1000T-LX10

1000Base-T to 1000Base-LX multi-mode 20KM fibre with SC Connector  
MEDIACON1000T-LX20

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