

# MC series

## Media Converters

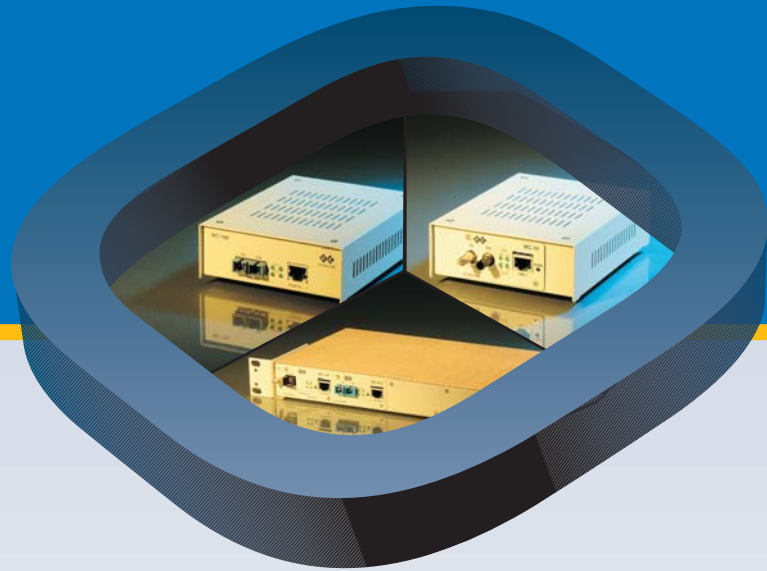
### Description

Olencom's MC series - product line of optical Ethernet converters - provides very flexible, low cost, compact solutions for Ethernet transport over all types of optical fibers. They come in two models: stand-alone device with AC or DC power supply or plug-in card for the 19" rack-mounted chassis for compact placing in the communication cabinet.

The series includes the following converters:

- MC-10 SM - 10Base-T single mode optical converter
- MC-10 MM - 10Base-T multi mode optical converter
- MC-100 SM - 100Base-TX single mode optical converter
- MC-100 MM - 100Base-TX multi mode optical converter
- MC-100 SO - 100Base-TX WDM based single fibre optical converter
- MC-100 10/100 SM - auto-negotiated single mode optical converter
- MC-100 10/100 MM - auto-negotiated multi mode optical converter
- MC-100 10/100 SO - auto-negotiated WDM based single fibre optical converter

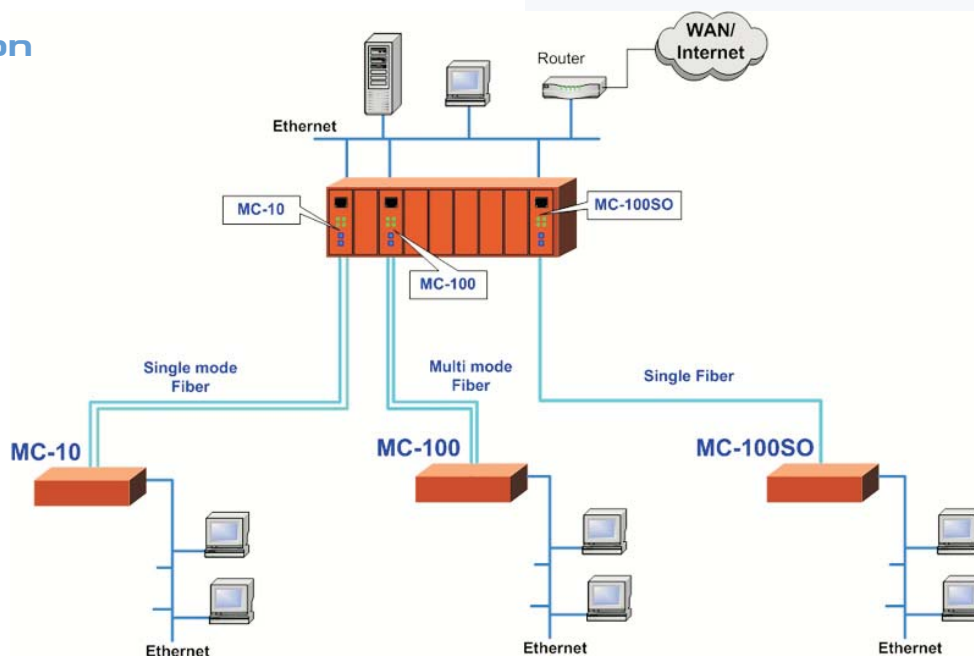
MC series supports a local control via LED indicators which allows to user control the local and remote sides status of optical line, Ethernet link and power supply status. Mounted into the chassis, MC converters support also remote control. Using SNMP Management System, users can remotely control the MC converters from anywhere over IP-network.



### Features

- ✓ Variable optical line interface for different fibre types for different distances
- ✓ Auto-negotiated Ethernet interface for 10/100 Mbps line speed and half/full-duplex transmission mode
- ✓ Local and far end control via LED indicators
- ✓ Remote control via SNMP management (for chassis only)

### Application



# MC series

## Media Converters

### Product Specifications

#### MC-10 SM, 10Base-T single mode optical converter

Wavelength	1310/1550 nm
Output power	-15 dBm
Minimum sensitivity	-32 dBm
Optical connector	FC (specify on order)
Protocol	10Base-T
Data rate	10 Mbps
Transmission mode	half duplex/full duplex
Ethernet connector	RJ-45

#### MC-10 MM, 10Base-T multi mode optical converter

Wavelength	850/ nm
Output power	-23 dBm
Minimum sensitivity	-32 dBm
Optical connector	SC (specify on order)
Protocol	10Base-T
Data rate	10 Mbps
Transmission mode	half duplex/full duplex
Ethernet connector	RJ-45

#### MC-100 SM, 100Base-TX single mode optical converter

Wavelength	1310/1550 nm
Output power	-15 dBm
Minimum sensitivity	-32 dBm
Optical connector	FC (specify on order)
Protocol	100Base-TX
Data rate	100 Mbps
Transmission mode	half duplex/full duplex
Ethernet connector	RJ-45

#### MC-100 MM, 100Base-TX multi mode optical converter

Wavelength	850/ nm
Output power	-23 dBm
Minimum sensitivity	-32 dBm
Optical connector	SC (specify on order)
Protocol	100Base-TX
Data rate	100 Mbps
Transmission mode	half duplex/full duplex
Ethernet connector	RJ-45

#### MC-100 SO, 100Base-TX WDM based single fibre optical converter

##### Single mode single fiber optical interface

Wavelength	1310/1550 nm
Output power	-15 dBm
Minimum sensitivity	-32 dBm
Optical connector	SC (specify on order)
Protocol	100Base-TX
Data rate	100 Mbps
Transmission mode	half duplex/full duplex
Ethernet connector	RJ-45

#### MC-100 10/100 SM, auto-negotiated single mode optical converter

Wavelength	1310/1550 nm
Output power	-15 dBm
Minimum sensitivity	-32 dBm
Optical connector	FC (specify on order)
Protocol	10Base-T, 100Base-TX
Data rate	10/100 Mbps
Transmission mode	half duplex/full duplex
Ethernet connector	RJ-45

#### MC-100 10/100 MM, auto-negotiated multi mode optical converter

Wavelength	850/ nm
Output power	-23 dBm
Minimum sensitivity	-32 dBm
Optical connector	SC (specify on order)
Protocol	10Base-T, 100Base-TX
Data rate	10/100 Mbps
Transmission mode	half duplex/full duplex
Ethernet connector	RJ-45

#### MC-100 10/100 SO, auto-negotiated WDM based single fibre optical converter

##### Single mode single fiber optical interface

Wavelength	1310/1550 nm
Output power	-15 dBm
Minimum sensitivity	-32 dBm
Optical connector	SC (specify on order)
Protocol	10Base-T, 100Base-TX
Data rate	10/100 Mbps
Transmission mode	half duplex/full duplex
Ethernet connector	RJ-45

#### Control

LEDs	power, optical link, Ethernet link, duplex mode, 100 Mbps mode, activity
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#### Power

Input Voltage Range	100-240VAC or 36-72VDC (specify on order)
Type of power supply	internal

#### Physical

Stand alone dimensions	155 x 45 x 115 mm (W x H x D)
Stand alone weight:	0.38 kg
Plug-in card dimensions	89 x 22 x 115 mm (W x H x D)
Plug-in card weight:	0.27 kg

#### Environmental

Operating Temperature:	0-40• C
Humidity:	up to 90%, non condensing
Radiation Suppression:	per FCC part, subpart J, Class A (per VDE 0867)

