



# 10G Multimode Media Converter 300m LC (850nm)

## FO-MC3001 - Specifications

This singlemode fiber optic media converter can extend a 10G Ethernet connection up to 10km over a singlemode LC fiber optic cable. The converter can be used as a standalone unit or in pairs.

Physical Characteristics	
Color	Black
Dimensions	118mm x 86mm x 27mm (L x W x H)
Housing	Metal
Operating Temperature	0°C ~ 50°C
Relative Humidity	5% to 95% (non-condensation)
Standards	IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T IEEE 802.3bz 2.5G/5GBASE-T, IEEE 802.3an 10GBASE-T IEEE 802.3ae 10Gbps Ethernet, IEEE 802.3x full-duplex flow control
Power	
Power Supply / Consumption	12V DC, 1A Power Supply / 3.75 watts / 12.8 BTU per hour max.
Connectors	
Fiber Connector	LC
Ethernet Connector	RJ45 UTP
Performance	
Network Cables	10G/5G/2.5G/1G/100M BASE-T: -10G--Cat6a/7 -5G--Cat6/6a/7 -1G/2.5G--Cat5e/6/6a/7 -100M--Cat5/5e/6/6a/7 -Cat5/5e/6/6a/7 UTP cable (100 meters, max.) -EIA/TIA-568 100-ohm STP (100 meters, max.)  10GBASE-LR/SR/BX: -50/125µm or 62.5/125µm multi-mode fiber optic cable, up to 300m
Referenced Transmission Distance	Multimode - 300m
Data Forward Rate	10G
Features	High Performance 10Gbps Ethernet Capacity Robust Protection Low Power Consumption
Switch Processing	Store and Forward
ESP Protection	6KV DC
Flow Control	Back pressure for half duplex IEEE 802.3x pause frame for full duplex
Fabric	20Gbps
Throughput (packet per sec)	2.48Mpps@64bytes
Address Table	9K entries, automatic source address learning and aging



Jumbo Frame	16K
Copper Interface	1 x 10G/5G/2.5G/1G/100BASE-T RJ45 Auto-MDI/MDI-X, auto-negotiation
Fiber Optic Interface	1 x 10GBASE-X R SFP+ interface
LED	POWER 100M 1000M 10G LINK/ACT Fiber

Certifications	
CE / FCC Part 15 Class A	Yes
Packaging Information	
Package Quantity	1
Product Weight	1.7 lbs [0.8kg]
Warranty Information	
Warranty	2 Year