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Spec Sheet

10/100 Ethernet to Multi Mode Fiber Media Converter SC 2 km

StarTech ID: MCM110SC2GB

The MCM110SC2GB 10/100 Multi Mode Fiber Ethernet Media Converter SC 2 km creates an economical, cost-effective Ethernet-fiber link, transparently converting to/from 10Base-T or 100Base-Tx Ethernet signals and 100Base-Fx optical signals to extend an Ethernet network connection over an SC terminated multimode fiber backbone.

The converter supports a maximum multimode fiber optic cable distance of 2 kilometers (1.2 miles), providing a simple solution for connecting 10Base-T/100Base-Tx Ethernet networks to remote locations using SC-terminated multimode fiber, while delivering solid network performance and scalability.

This versatile GbE Ethernet to Fiber converter is compatible with most 3COM™, Cisco™, Lucent™ and Nortel™ networks and fully complies with applicable IEEE 802.3 standards.

Backed by a StarTech.com 2-year warranty and free lifetime technical support.

Applications

- Extend your Ethernet connection up to 2km away using fiber optics
- Designed for large, higher speed bandwidth that has a demanding work groups that require expansion of fast Ethernet Network
- Connect via fiber optics two or more building on the same campus
- Connect remote sub-networks to larger fiber optic networks/backbones

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Features

- Supports a maximum multi mode fiber optic cable distance of 2 km
- Compatible with most 3COM™, Cisco™, Lucent™ and Nortel™ networks
- Supports transparent Q-in-Q double tagged frames
- Supports Link Fault Pass through (LFP)
- Supports IEEE 802.1q Tag VLAN pass thru
- Supports flow control (Pause)
- Provides switch configuration of half/full duplex transfer mode for FX port
- LED Indicators for simple Ethernet/Fiber network link monitoring
- Forward 9K jumbo packets in converter mode
- Auto negotiation or Force 10/100 Mbps and MDI/MDI-X (Crossover for TX port)
- Auto detects half/full duplex transfer mode from the TX port
- Manual controls for UTP mode, speed, Full and Half Duplex, and LFP (Link Fault pass-through) on/off
- Compact design
- Simple installation

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Technical Specifications

Warranty	2 Years
PoE	No
WDM	No
Industry Standards	IEEE 802.3 10BASE-T
Industry Standards	IEEE 802.3u 100BASE-FX
Industry Standards	IEEE 802.3u 100BASE-TX
Local Unit Connectors	1 - RJ-45 Female
Remote Unit Connectors	1 - Fiber Optic SC Female
Maximum Data Transfer Rate	10/100Mbps
Max Transfer Distance	2 km (1.2 mi)
Fiber Type	Multi Mode
Wavelength	1310nm
Fiber Operating Mode	Half/Full-Duplex
Color	Black
Product Length	95 mm [3.7 in]
Product Width	75 mm [3 in]
Product Height	20 mm [0.8 in]
Product Weight	90.5 g [3.2 oz]
LED Indicators	1 - Ethernet Link & Activity (ON - Fiber Link ok, Blinking - Activity on Fiber Link)
LED Indicators	1 - FEF [Far End Fault](On - Fault Detected, Off - No Fault
LED Indicators	1 - Fiber Link & Activity (On - Fiber Link ok, Blinking - Activity on Fiber Link)
LED Indicators	1 - Full (Full duplex / Half duplex)
LED Indicators	1 - Power
LED Indicators	1 - Speed (10 or 100 Mbps)
Power Adapter Included	Yes
Input Voltage	230 AC
Output Voltage	12 DC
Output Current	0.2A
Center Tip Polarity	Positive
Plug Type	M
Operating Temperature	0°C to 50°C (32°F to 122°F)
Storage Temperature	-10°C to 70°C (14°F to 158°F)
Humidity	10~90% RH
Shipping (Package) Weight	280

Included in Package	1 - Media Converter
Included in Package	1 - EU power plug
Included in Package	1 - UK power plug
Included in Package	1 - Power Adapter
Included in Package	1 - User's Manual

Certifications, Reports and Compatibility

RoHS Compliant Available