

1000 Mbps Gigabit Single-Mode Fiber Ethernet Media Converter SC 15km

StarTech ID: MCMGBSC15



The MCMGBSC15EU Ethernet Media Converter converts transparently to/from 1000Base-T Ethernet signals and 1000Base-LH optical signals, providing a cost-effective Ethernet-fiber/copper-fiber link. - Perfect perfect for extending an Ethernet network connection over a Single Mode fiber backbone.

Supporting a Single Mode fiber optic cable distance of up to 15-kilometers (9.32-miles), this Fiber Media Converter delivers a simple solution for connecting Gigabit Ethernet networks to remote locations using SC-terminated SM fiber, while ensuring solid network performance and scalability.

Applications and Solutions

- Converts Ethernet to fiber, fiber to copper/Ethernet, ensuring optimum network scalability for connecting two or more Ethernet network nodes (e.g. connecting two buildings on the same campus)
- Creates an economical Ethernet-fiber/copper-fiber link for connecting remote sub-networks to larger fiber optic networks/backbones
- Extending an Ethernet connection by up to 15km (9.32 miles) using a fiber backbone

Features

- 1310nm Wavelength
- Auto detects half/full duplex transfer mode from the TX port
- Auto negotiation MDI/MDI-X (Crossover for TX port)
- Compact design
- LED Indicators for simple Ethernet/Fiber network link monitoring
- Simple installation
- Supports 802.3ab 1000Base-TX, and 1000Base-LX/LH industry standards
- Supports a maximum Single-mode fiber optic cable distance of 15km
- Supports forced full duplex or auto-negotiation modes on the fiber link
- Supports IEEE 802.1q Tag VLAN pass through
- Supports transparent Q-in-Q double tagged frames

Technical Specifications

- Warranty: 1 Year warranty
- Color: Black
- Fiber Operating Mode : Half/Full-Duplex
- Industry Standards: IEEE 802.3z 1000BASE-LX/LH
- Input Voltage: 115 AC
- Interface A: 1 - Fiber Optic SC Female
- Interface B: 1 - RJ45 Female
- LED Indicators: 1 - FX Link: On - Valid Fiber Link
- LED Indicators: 1 - Power Indicator
- LED Indicators: 1 - TP Link: On - Valid Ethernet Link
- LED Indicators: 1 - TP RX: On - Receiving Data on the Ethernet Link
- Max Transfer Distance : 15 km
- Output Current: 800mA
- Output Voltage: 9 DC
- Plug Type: M
- Center Tip Polarity: Positive
- Carton Quantity: 30
- Wave Length: 1310nm
- Shipping (Package) Weight: 0.99 lb [0.45 kg]
- Maximum Data Transfer Rate: 1000 Mbps (1 Gbps)
- Product Height: 1.06 in [27 mm]
- Product Length: 3.9 in [99 mm]
- Product Width: 2.87 in [73 mm]
- Product Weight: 15.88 oz [450 g]
- Humidity: 90% RH
- Operating Temperature: 0°C to 40°C (32°F to 104°F)
- Storage Temperature: -10°C to 70°C (14°F to 158°F)

