

Media Converter

GMC Series

1000M Gigabit Media Converter



Description:

GMC series comply with IEEE802.3z/ab Gigabit Ethernet standard. It supports two types of media for network connection such as 1000Base-T to 1000base-SX/LX and connects these two types of segments to operate smoothly. GMC series supports a variety of fiber optic, including multimode and single mode WDM Technology Combines Dual Fiber Cables into Single Fiber .Greatly save the Installation cost of Expensive Fiber Cable.

Feature:

- Complies with 1000Mbps switches and 1000Mbps NICs Cost-effective for budget user
- Extends network span from 550m (multimode fiber SX) up to 10km (Single mode fiber 10km)
- WDM Technology Combines Dual Fiber Cables into Single Fiber.
- MDI/MDI-X Auto Negotiation
- LED Indicators: FX LINK, FX FDX, TP LINK, TP FDX, ACT, POWER

Specifications

Standards	IEEE802.3z/ab 1000Base-T 1000Base-SX/LX
Wavelength	850nm(MM), 1310nm,1550nm(SM) OR TX1310nm/RX1550nm; TX1550nm/RX1310nm (BIDI)
Fiber cable	8.3/125, 8.7/125, 9/125 or 10/125single-mode
Connector	RJ-45 Jack and Fiber optic connectors: SC connector
Cable Model and Length	Twisted pair Cat.5 UTP Cable: 100m
LED Indicators	FX LINK, FX FDX, TP LINK, TP FDX, ACT, POWER
Data Transfer rate	2000Mbps/full-duplex
TP	1000 FDX with MDI/MDI-X Auto Negotiation
FIBER	1000 FDX at AUTO or FORCE mode
Power Requirement	2A@5VDC
Ambient Temperature	Operating temperature: 32 to 122F(0 to 60) Storage temperature : -4 to 140F (-20 to 70)
Humidity	5% to 90%
Dimensions	26.2mm(H) x70.5mm(W) x94mm(D)
Emission	FCC Class A & CE approved



Fiber optic details:

Multimode, 550m, Min TX TWR: -9.5dB, Max Tx PWR -4dB, Rx-sensitivity (-18dBm), Link Budget (8.5dB)

Single mode, 10 km, Min TX TWR: -9.5dB, Max Tx PWR -3dB, Rx-sensitivity (-20dBm), Link Budget (10.5dB)

Single mode, 50 km, Min TX TWR: -5dB, Max Tx PWR -0dB, Rx-sensitivity (-23dBm), Link Budget (18.0dB)----1550nm DFB Laser

Single mode, 70 km, Min TX TWR: -0dB, Max Tx PWR +5dB, Rx-sensitivity (-23dBm), Link Budget (23.0dB)----1550nm DFB Laser

BIDI Single mode, 20 km, Min TX TWR: -5dB, Max Tx PWR -0dB, Rx-sensitivity (-23dBm), Link Budget (18.0dB) 1550nm DFB Laser

BIDI Single mode, 40 km, Min TX TWR: -3dB, Max Tx PWR -0dB, Rx-sensitivity (-23dBm), Link Budget (20.0dB) 1310nm DFB Laser and 1550nm DFB Laser

Ordering information

BFD1201	Gigabit Ethernet 1000Mbps Media Converter 500m SC Connector (MM)
BFD1202	Gigabit Ethernet 1000Mbps Media Converter 10km SC Connector (SM)
BFD1203	Gigabit Ethernet 1000Mbps Media Converter 50km SC Connector (SM) ----1550 DFB Laser
BFD1204	Gigabit Ethernet 1000Mbps Media Converter 70km SC Connector (SM) ----1550 DFB Laser
BFS1201	Gigabit Ethernet 1000Mbps BIDI Media Converter 20Km SC Connector (TX 1310nm and Rx 1550nm over one Fiber)
BFS1202	Gigabit Ethernet 1000Mbps BIDI Media Converter 20Km SC Connector (TX 1550nm and Rx 1310nm over one Fiber) ----1550nmDFB Laser
BFS1203	Gigabit Ethernet 1000Mbps BIDI Media Converter 40Km SC Connector (TX 1310nm and Rx 1550nm over one Fiber) 1310nmDFB Laser
BFS1204	Gigabit Ethernet 1000Mbps BIDI Media Converter 40Km SC Connector (TX 1550nm and Rx 1310nm over one Fiber) ----1550nmDFB Laser