

Media Converter

10/100M MC series

10/100/1000M GMC series

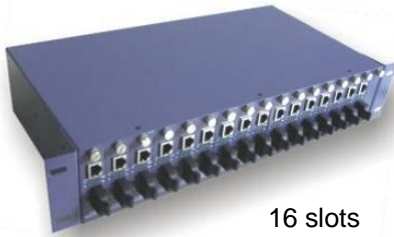


10/100M MC

10/100/1000M GMC



14 slots



16 slots

Description

Media Converter enable the connection between 10/100 or 1000 Mbps twisted pair network segments and active equipment via fiber optic cabling. All converters include status LEDs and AutoCross, a feature which automatically selects between a crossover workstations or pass-through connection depending on the connected device. WDM technology enable transmit multi-signal into single fiber, which is a cost saving way in cabling. MC/GMC series converters are ideal for any premises FTTH, LAN-to-LAN or LAN-to-WAN fiber networking application.


Features

- Plug-and-play and hot-swap operation
- LED indicators for easy troubleshooting
- Support LFP (Link fault pass through)
- TP port supports 10/100/1000Base-T auto-negotiation and auto-MDI/MDI-X
- Extends network span via optical fiber (multimode fiber 550m, single mode fiber 120km)
- Optical port support dual strand or single strand WDM
- Build-in or external universal switching power cube with 100 - 240 ±10% VAC input and 5V DC output, or use rack mountable the very high-density enclosure allows 16 conversions in 2U.

Specifications	
Standard	10/100 MC series: 802.3 10B-T, 802.3u 100b-Tx&100b-Fx, 802.3x, 802.1.p 10/100/1000 GMC series: IEEE802.3E/ab, 1000Base-T, 1000Base-SX/LX
Transmit optical wavelength	Dual single mode fiber:1310nm or 1550nm, Dual multi mode fiber: 850nm Single fiber with single mode: BIDI TX1310nm/RX1550nm; TX1550nm/RX1310nm
Interface	RJ-45 Jack with twisted pair Cat.5/5e/6 UTP cable up to 100m Fiber optic connectors: SC/ST/FC with single-mode & multi-mode fiber cable
Switching mechanism	Store &Forward with 1M Bits Buffer memory
Bit Error Rate (BER)	< 1E-8
LED Indicators	POWER, FX, FX LINK/ACT, TX-100, TX LINK/ACT, FDX
Power requirement	2A@5VDC
Size	External power supply type: 95mm(D) x 70mm(W) x 26mm(H) Build-in power supply type: 140mm(D) x 110mm(W) x 30mm(H)
Emission	FCC Class A & CE approved

Chassis	Types	14 slots: suitable for MC or GMC standalone type 16 slots: suitable for MC series card type
	Case	Aluminum L485 *W231*H90 mm; 19 inches 2U
	Power	AC 100 V~260 V or DC48V / DC5V, 12A
Environment		Operating/Storage temperature: 0°C to +60°C /-20° C to +75°C Relative Humidity: 5% to 95% (non condensing)

LED Indicator		Status(Description)	
PWR (Power)		On (Power on)	Off (Power off)
FX (Fiber port link/action)		On (Fiber signals detected)	Off (No signals)
TX (UTP port speed)	GMC	On (1000M working)	Off (100M working)
	MC	On (100M working)	Off (10M working)
FX-LINK/ACT (Fiber port link/action)		On (Fiber link OK)	Blink (Data packet goes through FX end)
TX-LINK/ACT (UTP port link/action)		On (UTP link OK)	Blink (Data packet goes through TX end)
		Off (Fiber link Fail)	Off (UTP link fail)



Ordering information

Product Type	Part #	TX (nm)	RX (nm)	Output Power (dBm)	RX-sensitivity (dBm)	Distance (Km)	Fiber counts	Connector Type
10/100 MC Series	BFD1101	1310	1310	-22~-12	-30	2	Dual	SC
	BFD1102	1310	1310	-15~-8	-38	10	Dual	SC
	BFD1103	1310	1310	-15~-8	-38	20	Dual	SC
	BFD1104	1310	1310	-15~-8	-38	25	Dual	SC
	BFD1105	1310	1310	-8~-3	-38	40	Dual	SC
	BFD1106	1310	1310	-3~0	-38	60	Dual	SC
	BFD1107	1550	1550	-5~0	-38	80	Dual	SC
	BFD1108	1550	1550	-1	-38	100	Dual	SC
	BFD1109	1550	1550	1	-40	120	Dual	SC
	BFS1101	1310	1550	-15~-8	-36	25	Single	SC
	BFS1102	1550	1310	-8~-3	-36	25	Single	SC
	BFS1103	1310	1550	-3~0	-36	40	Single	SC
	BFS1104	1550	1310	-5~0	-36	40	Single	SC
	BFS1105	1310	1550	-3~0	-36	60	Single	SC
BFS1106	1550	1310	-3~0	-36	60	Single	SC	
10/100/100 GMC series	BFD1301	850/1310	850/1310	-17~-12	-20.0	0.55	Dual	SC
	BFD1302	1310	1310	-6~-12	-21.0	10	Dual	SC
	BFD1305	1310	1310	-3~-8	-23.0	20	Dual	SC
	BFD1303	1550	1550	-3~-0	-25.0	40	Dual	SC
	BFD1304	1550	1550	-1	-25.0	60	Dual	SC
	BFD1306	1550	1550	1	-27.0	80	Dual	SC
	BFS1305	1310	1550	-10~-5	-20.0	10	Single	SC
	BFS1301	1310	1550	-8~-3	-23.0	20	Single	SC
	BFS1303	1310	1550	-3~-0	-23.0	40	Single	SC
	BFS1307	1310	1550	-1	-25.0	60	Single	SC
	BFS1306	1550	1310	-10~-5	-20.0	10	Single	SC
	BFS1302	1550	1310	-8~-3	-23.0	20	Single	SC
	BFS1304	1550	1310	-3~-0	-23.0	40	Single	SC
	BFS1308	1550	1310	-1	-25.0	60	Single	SC

- Other optical connector types are available, please specify while ordering.