

point system™ slide-in-module media converter

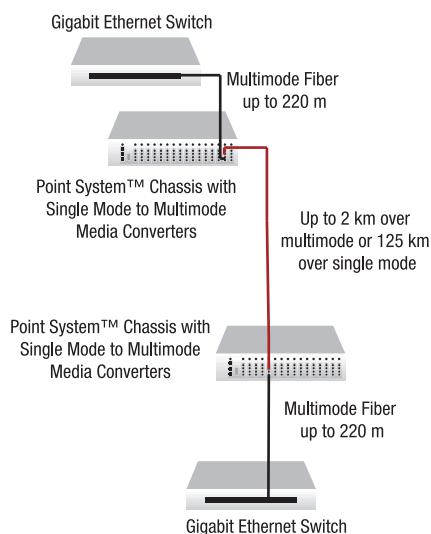
see also: Gigabit Ethernet Stand-Alone Optical Mode Converter

CFMFF1xxx-22x

Gigabit Ethernet/Fiber Channel Optical Mode Converter

Used individually or in pairs, this media converter can extend Gigabit Ethernet over single mode fiber up to 125 km. Convert 1000BASE-SX ports on a Gigabit Ethernet switch to 1000BASE-LX on a port-by-port basis. Ideal for campus area networks or other applications requiring the distance advantages of single mode fiber.

Extend Network Distance



Features

- ▶ Link Pass Through
- ▶ Protocol Transparency
- ▶ Extended Multimode SX capability (up to 2 km 62.5/125 µm fiber)
- ▶ Field Upgradeable Firmware
- ▶ Card manageability:
 - Multimode signal detect
 - Hardware/software mode
 - Fiber port enable/disable multimode
 - Fiber port enable/disable single mode
- ▶ Can be used with any Point System™ Chassis

Specifications

Standards	IEEE Std. 802.3
3-position Jumper	Hardware: Software mode is disabled Software: Converter mode is determined by most recently saved on-board microprocessor settings
Status LEDs	PWR (Power): Steady green LED indicates connection to external AC power LKS (Single mode fiber link): Steady LED indicates single mode fiber link LKM (Multimode fiber link): Steady LED indicates multimode fiber link
Dimensions	Width: 0.86" [22 mm] Depth: 5.0" [127 mm] Height: 3.4" [86 mm]
Power Consumption	3.5 Watts
Environment	See chassis specifications
Shipping Weight	1 lb. [0.45 kg]
Regulatory Compliance	UL Listed; C-UL Listed (Canada); CISPR/EN55022 Class A & B + EN55024; FCC Class A & B; CE Mark
Warranty	Lifetime

Ordering Information

- CFMFF1313-220**
1000BASE-SX 850nm multimode (SC)
[62.5/125 µm fiber: 220 m/722 ft.]
[50/125 µm fiber: 550 m/1804 ft.]
Link Budget 7.0 dB
to 1000BASE-SX 850nm multimode (SC)
[62.5/125 µm fiber: 220 m/722 ft.]
[50/125 µm fiber: 550 m/1804 ft.]
Link Budget 7.0 dB
- CFMFF1324-220**
1000BASE-SX 850nm multimode (SC)
[62.5/125 µm fiber: 220 m/722 ft.]
[50/125 µm fiber: 550 m/1804 ft.]
Link Budget 7.0 dB
to 1000BASE-LX 1310nm Extended MM (62.5/125 µm fiber only) (SC)
[up to 2 km] Link Budget: 7.0 dB
- CFMFF1424-220**
1000BASE-LX 1310nm SM (SC)
[10 km/6.2 mi.] Link Budget: 7.0 dB
to 1000BASE-LX 1310nm Extended MM (62.5/125 µm fiber only) (SC)
[up to 2 km] Link Budget: 7.0 dB
- CFMFF1314-220**
1000BASE-SX 850nm multimode (SC)
[62.5/125 µm fiber: 220 m/722 ft.]
[50/125 µm fiber: 550 m/1804 ft.]
Link Budget: 7.0 dB
to 1000BASE-LX 1310nm SM (SC)
[10 km/6.2 mi.] Link Budget: 7.0 dB
- CFMFF1414-220**
1000BASE-LX 1310nm SM (SC)
[10 km/6.2 mi.] Link Budget: 7.0 dB
to 1000BASE-LX 1310nm SM (SC)
[10 km/6.2 mi.] Link Budget: 7.0 dB
- CFMFF1315-220**
1000BASE-SX 850nm multimode (SC)
[62.5/125 µm fiber: 220 m/722 ft.]
[50/125 µm fiber: 550 m/1804 ft.]
Link Budget: 7.0 dB
to 1000BASE-LX 1310nm SM (SC)
[25 km/15.5 mi.] Link Budget: 15.0 dB
- CFMFF1317-220**
1000BASE-SX 850nm multimode (SC)
[62.5/125 µm fiber: 220 m/722 ft.]
[50/125 µm fiber: 550 m/1804 ft.]
Link Budget: 7.0 dB
to 1000BASE-LX 1550nm SM (SC)
[65 km/40.4 mi.] Link Budget: 20.0 dB
- CFMFF1335-220**
1000BASE-SX 850nm multimode (SC)
[62.5/125 µm fiber: 220 m/722 ft.]
[50/125 µm fiber: 550 m/1804 ft.]
Link Budget: 7.0 dB
to 1000BASE-LX 1550nm SM (SC)
[125 km/77.7 mi.] Link Budget: 27.0 dB

Single Fiber Products

Recommended use in pairs

- CFMFF1329-220**
1000BASE-SX 850nm multimode (SC)
[62.5/125 µm fiber: 220 m/722 ft.]
[50/125 µm fiber: 550 m/1804 ft.]
Link Budget: 7.0 dB
to 1000BASE-LX 1310nm TX/1550nm RX single fiber single mode (SC)
[20 km/12.4 mi.] Link Budget: 13.0 dB
- CFMFF1329-221**
1000BASE-SX 850nm multimode (SC)
[62.5/125 µm fiber: 220 m/722 ft.]
[50/125 µm fiber: 550 m/1804 ft.]
Link Budget: 7.0 dB
to 1000BASE-LX 1550nm TX/1310nm RX single fiber single mode (SC)
[20 km/12.4 mi.] Link Budget: 13.0 dB
- CFMFF1329-222**
1000BASE-SX 850nm multimode (SC)
[62.5/125 µm fiber: 220 m/722 ft.]
[50/125 µm fiber: 550 m/1804 ft.]
Link Budget: 7.0 dB
to 1000BASE-LX 1310nm TX/1550nm RX single fiber single mode (SC)
[40 km/24.9 mi.] Link Budget: 20.0 dB
- CFMFF1329-223**
1000BASE-SX 850nm multimode (SC)
[62.5/125 µm fiber: 220 m/722 ft.]
[50/125 µm fiber: 550 m/1804 ft.]
Link Budget: 7.0 dB
to 1000BASE-LX 1550nm TX/1310nm RX single fiber single mode (SC)
[40 km/24.9 mi.] Link Budget: 20.0 dB