



point system™ slide-in-module media converter

see also: Fast Ethernet or ATM/OC-3/SDH/SONET Stand-Alone Optical Mode Converter

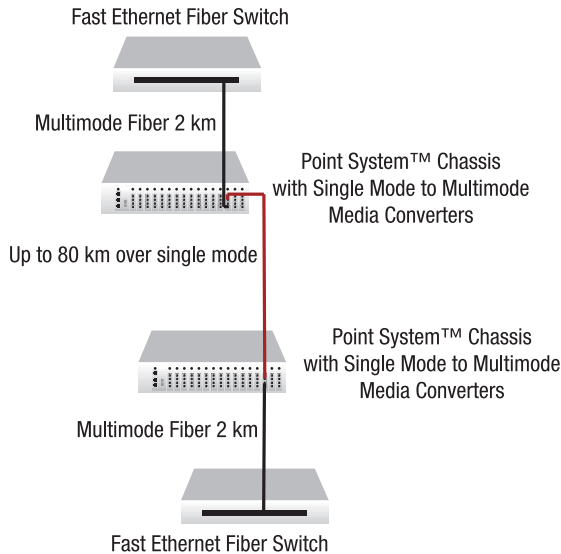
Point System™

CFMFF1xxx-20x

Fast Ethernet or ATM/OC-3/SDH/SONET

Single Mode to Multimode Optical Mode Converter

Extend Network Distance



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	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 B; EN55024; EN61000; FCC Class B; CE Mark
Warranty	Lifetime

Extend Network Distance

Convert multimode 100-155 Mbps interfaces to single mode fiber on a port-by-port basis and extend ATM or Fast Ethernet over single mode fiber up to 80 km.



- ▶ Connect single mode fiber cable to devices with multimode ports
- ▶ Protocol Transparency
- ▶ Can be used with any Point System™ Chassis

Features

- ▶ Link Pass Through
- ▶ Automatic Link Restoration
- ▶ Field Upgradeable Firmware
- ▶ Card Manageability:
 - MM/SM signal detect
 - Hardware/software mode
 - Fiber port enable/disable multimode or single mode

Ordering Info: Class B

- CFMFF1313-200**
1300nm multimode (SC)
[2 km/1.2 mi.] Link Budget: 11.0 dB
to 1300nm multimode (SC)
[2 km/1.2 mi.] Link Budget: 11.0 dB
- CFMFF1314-200**
1300nm multimode (SC)
[2 km/1.2 mi.] Link Budget: 11.0 dB
to 1310nm single mode (SC)
[20 km/12.4 mi.] Link Budget: 16.0 dB
- CFMFF1315-200**
1300nm multimode (SC)
[2 km/1.2 mi.] Link Budget: 11.0 dB
to 1310nm single mode (SC)
[40 km/24.9 mi.] Link Budget: 26.0 dB
- CFMFF1316-200**
1300nm multimode (SC)
[2 km/1.2 mi.] Link Budget: 11.0 dB
to 1310nm single mode (SC)
[60 km/37.3 mi.] Link Budget: 29.0 dB
- CFMFF1317-200**
1300nm multimode (SC)
[2 km/1.2 mi.] Link Budget: 11.0 dB
to 1550nm single mode (SC)
[80 km/49.7 mi.] Link Budget: 29.0 dB
- CFMFF1414-200**
1310nm single mode (SC)
[20 km/12.4 mi.] Link Budget: 16.0 dB
to 1310nm single mode (SC)
[20 km/12.4 mi.] Link Budget: 16.0 dB
- CFMFF1415-200**
1310nm single mode (SC)
[20 km/12.4 mi.] Link Budget: 16.0 dB
to 1310nm single mode (SC)
[40 km/24.9 mi.] Link Budget: 26.0 dB

Single Fiber Products

- CFMFF1329-200**
1300nm multimode (SC)
[2 km/1.2 mi.] Link Budget: 11.0 dB
to 1310nm TX/1550nm RX
single fiber SM (SC)
[20 km/12.4 mi.] Link Budget: 19.0 dB
- CFMFF1329-201**
1300nm multimode (SC)
[2 km/1.2 mi.] Link Budget: 11.0 dB
to 1550nm TX/1310nm RX
single fiber single mode (SC)
[20 km/12.4 mi.] Link Budget: 19.0 dB
- CFMFF1329-202**
1300nm multimode (SC)
[2 km/1.2 mi.] Link Budget: 11.0 dB
to 1310nm TX/1550nm RX
single fiber SM (SC)
[40 km/24.9 mi.] Link Budget: 25.0 dB
- CFMFF1329-203**
1300nm multimode (SC)
[2 km/1.2 mi.] Link Budget: 11.0 dB
to 1550nm TX/1310nm RX
single fiber SM (SC)
[40 km/24.9 mi.] Link Budget: 25.0 dB
- CFMFF1429-200**
1310nm single mode (SC)
[20 km/12.4 mi.] Link Budget: 16.0 dB
to 1310nm TX/1550nm RX
single fiber SM (SC)
[20 km/12.4 mi.] Link Budget: 19.0 dB
- CFMFF1429-201**
1310nm single mode (SC)
[20 km/12.4 mi.] Link Budget: 16.0 dB
to 1550nm TX/1310nm RX
single fiber SM (SC)
[20 km/12.4 mi.] Link Budget: 19.0 dB
- CFMFF1429-202**
1310nm single mode (SC)
[20 km/12.4 mi.] Link Budget: 16.0 dB
to 1310nm TX/1550nm RX
single fiber SM (SC)
[40 km/24.9 mi.] Link Budget: 25.0 dB
- CFMFF1429-203**
1310nm single mode (SC)
[20 km/12.4 mi.] Link Budget: 16.0 dB
to 1550nm TX/1310nm RX
single fiber SM (SC)
[40 km/24.9 mi.] Link Budget: 25.0 dB