

point system™ slide-in-module media converter

# CFETF10xx-2xx

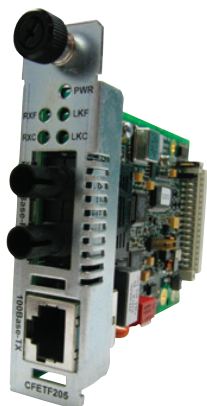
## Fast Ethernet Class B Media Converter

see also: Fast Ethernet Stand-Alone Media Converters

### Fast Ethernet

Point System™

100BASE-TX to 100BASE-FX [Class B]



- ▶ Integrate fiber into copper based environments that require Class B rated products.
- ▶ Can be used with any Point System™ Chassis
- ▶ Should be used in the 18-Slot Class B Point System™ Chassis if Class B ratings are required.

### Features

- ▶ Round trip delay of only 40 bit times, far below the Class II rating of 92 bit times
- ▶ Auto-Negotiation
- ▶ AutoCross™ [
- ▶ Far-End-Fault (FEF) Detection
- ▶ Link Pass Through
- ▶ Pause
- ▶ Automatic Link Restoration
- ▶ Field Upgradeable Firmware

The following converter management features are available in conjunction with the Point System™:

### Reporting Features

- ▶ Report converter status to management software:
  - TP & Fiber Link status
  - Hardware switch settings
  - Fault
  - TP cable length
- ▶ Write operation includes:
  - Power on/off device
  - Pause enable/disable
  - LPT enable/disable
  - FEF enable/disable
  - AutoCross™ enable/disable

### Specifications

Standards	IEEE Std. 802.3
Switches	<b>SW1:</b> Auto-Negotiation (UP = ON) <b>SW2:</b> Pause (UP = ON) <b>SW3:</b> Link Pass Through (UP = ON) <b>SW4:</b> Far-End-Fault (UP = ON)
Internal Jumpers	<b>AutoCross™ Jumper:</b> Enable/disable AutoCross™
Hardware/Software Jumper:	<b>Hardware:</b> Converter mode is determined by 4-position switch settings <b>Software:</b> Converter mode is determined by most recently saved on-board microprocessor settings
Status LEDs	<b>PWR (Power):</b> ON = connection to external power <b>LKF (Fiber Link):</b> ON = Fiber Link <b>RXF (Fiber Receive):</b> Blinking = data reception on fiber link <b>RXC (Copper Receive):</b> Blinking = data reception on copper link <b>LKC (Copper Link):</b> ON = Copper Link
Dimensions	<b>Width:</b> 0.86" [22 mm] <b>Depth:</b> 5.0" [127 mm] <b>Height:</b> 3.4" [86 mm]
Power Consumption	3.4 Watts
Environment	See chassis specifications
Shipping Weight	1 lb. [0.45 kg]
Regulatory Compliance	CISPR/EN55022 Class A & B; FCC Class A & B; CE Mark
Warranty	Lifetime

### Ordering Info [Class B]

- CFETF1011-205**  
100BASE-TX (RJ-45) [100 m/328 ft.] to 100BASE-FX 1300nm multimode (ST) [2 km/1.2 mi.] Link Budget: 11.0 dB
- CFETF1013-205**  
100BASE-TX (RJ-45) [100 m/328 ft.] to 100BASE-FX 1300nm multimode (SC) [2 km/1.2 mi.] Link Budget: 11.0 dB
- CFETF1039-205**  
100BASE-TX (RJ-45) [100 m/328 ft.] to 100BASE-FX 1300nm multimode (LC) [2 km/1.2 mi.] Link Budget: 11.0 dB
- CFETF1018-205**  
100BASE-TX (RJ-45) [100 m/328 ft.] to 100BASE-FX 1300nm MM (MT-RJ) [2 km/1.2 mi.] Link Budget: 14.5 dB
- CFETF1014-205**  
100BASE-TX (RJ-45) [100 m/328 ft.] to 100BASE-FX 1310nm SM (SC) [20 km/12.4 mi.] Link Budget: 16.0 dB
- CFETF1019-205**  
100BASE-TX (RJ-45) [100 m/328 ft.] to 100BASE-FX 1310nm SM (LC) [20 km/12.4 mi.] Link Budget: 17.3 dB
- CFETF1015-205**  
100BASE-TX (RJ-45) [100 m/328 ft.] to 100BASE-FX 1310nm SM (SC) [40 km/24.9 mi.] Link Budget: 26.0 dB
- CFETF1016-205**  
100BASE-TX (RJ-45) [100 m/328 ft.] to 100BASE-FX 1310nm SM (SC) [60 km/37.3 mi.] Link Budget: 29.0 dB
- CFETF1017-205**  
100BASE-TX (RJ-45) [100 m/328 ft.] to 100BASE-FX 1550nm SM (SC) [80 km/49.7 mi.] Link Budget: 29.0 dB

### Single Fiber Products

Recommended use in pairs

- CFETF1029-205**  
100BASE-TX (RJ-45) [100 m/328 ft.] to 100BASE-FX1310nm TX/1550nm RX single fiber single mode (SC) [20 km/12.4 mi.] Link Budget: 19.0 dB
- CFETF1029-206**  
100BASE-TX (RJ-45) [100 m/328 ft.] to 100BASE-FX 1550nm TX/1310nm RX single fiber single mode (SC) [20 km/12.4 mi.] Link Budget: 19.0 dB
- CFETF1029-207**  
100BASE-TX (RJ-45) [100 m/328 ft.] to 100BASE-FX 1310nm TX/1550nm RX single fiber single mode (SC) [40 km/24.9 mi.] Link Budget: 25.0 dB
- CFETF1029-208**  
100BASE-TX (RJ-45) [100 m/328 ft.] to 100BASE-FX 1550nm TX/1310nm RX single fiber single mode (SC) [40 km/24.9 mi.] Link Budget: 25.0 dB
- CFETF1029-209**  
100BASE-TX (RJ-45) [100 m/328 ft.] to 100BASE-FX 1310nm TX/1550nm RX single fiber single mode (SC) [60 km/37.3 mi.] Link Budget: 29.0 dB
- CFETF1029-210**  
100BASE-TX (RJ-45) [100 m/328 ft.] to 100BASE-FX 1550nm TX/1310nm RX single fiber single mode (SC) [60 km/37.3 mi.] Link Budget: 28.0 dB
- CFETF1029-211**  
100BASE-TX (RJ-45) [100 m/328 ft.] to 100BASE-FX 1310nm TX/1550nm RX single fiber single mode (SC) [80 km/49.7 mi.] Link Budget: 33.0 dB
- CFETF1029-212**  
100BASE-TX (RJ-45) [100 m/328 ft.] to 100BASE-FX 1550nm TX/1310nm RX single fiber single mode (SC) [80 km/49.7 mi.] Link Budget: 32.0 dB