

# CFETF10xx-2xx

## Fast Ethernet Class B Media Converter



### Features

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

### 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
  - Far-end-fault (FEF) enable/disable
  - Auto-MDI/MDIX enable/disable

### Specifications

Standards	IEEE 802.3
Switches	SW1: Auto-Negotiation (UP = ON) SW2: Pause (UP = ON) SW3: Link Pass Through (UP = ON) SW4: Far-End-Fault (UP = ON)
Internal Jumpers	Auto-MDI/MDIX Jumper: enable/disable
Hardware/Software	Hardware: Converter mode is Jumper: determined by 4-position switch settings Software: Converter mode is determined by most recently saved on-board microprocessor settings
Status LEDs	PWR (Power): ON = connection to external power LKF (Fiber Link): ON = Fiber Link RXF (Fiber Receive): Blinking = data reception on fiber link RXC (Copper Receive): Blinking = data reception on copper link LKC (Copper Link): ON = Copper Link
Dimensions	Width: 0.86" [22 mm] Depth: 5" [127 mm] Height: 3.4" [86 mm]
Power Consumption	3.4 Watts
Environment	<b>Environment specs are dependent on the chassis chosen</b> Operating: 0°C to 50°C Humidity: 5% to 95% (non-condensing) Altitude: 0 – 10,000 ft.
Weight	1 lb. [0.45 kg]
Compliance	FCC Class A & B, CISPR22/EN55022 Class A, CE mark
Warranty	Lifetime

### Ordering Information

#### 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 (LC)  
[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

#### CFETF1014-205

100Base-TX (RJ-45) [100 m/328 ft.]  
to 100Base-FX 1310nm single mode (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 single mode (LC)  
[20 km/12.4 mi.] Link Budget: 17.3 dB

### Single Fiber Products

#### 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