

CBFTF Series

10/100 Bridging Media Converter



The CBFTF Series chassis card provides an interface between 10/100Base-TX ports and 100Base-FX ports, allowing users to integrate fiber optic cabling into 10/100Base-TX copper environments.

Operating at Layer 2, this converter not only converts copper to fiber, but it also does Rate Conversion, converting 10/100 copper to 100Base fiber.

Features

- Fully manageable
- LED indications for all operation modes
- Auto-Negotiation
- Auto-MDI/MDIX
- Link Pass Through
- Far-End-Fault (FEF)
- Automatic Link Restoration
- Field Upgradeable Firmware
- Can be used with any Point System™ Chassis
- Read Management Features
 - Media Converter Power
 - Copper & Fiber Link Status
 - Copper Port Speed
 - Hardware Switch Settings
- Write Management Features
 - Enable/disable Auto-negotiation on Copper
 - Force 10 Mbps or 100 Mbps on Copper
 - Force Full or Half-duplex on Copper or Fiber
 - Select Advised Modes (when Auto-Negotiation is enabled)
- Enable/Disable:
 - Pause
 - Monitor Port (advanced filters available)
 - Link pass through
 - Far-end-fault

Specifications

Standards	IEEE 802.3u IEEE 802.3x
Data Rate	10 Mbps; 100 Mbps
Filtering Addresses	1K MAC Addresses
Filtering & Forwarding	14,880 pps for Ethernet; Rate 148,800 pps for Fast Ethernet
RAM Buffers	512 KB
Max Packet Size	2048 bytes untagged; 2044 tagged
Switches	SW1 (TP): Auto-Negotiation On/Off SW2 (TP): 10 Mbps or 100 Mbps SW3 (TP): Half or Full-duplex SW4 (Fiber): Half or Full-duplex SW5: Far-End-Fault On/Off SW6: Link Pass Through On/Off
Status LEDs	PWR (Power) FDPX (Fiber Duplex) FLNK (Fiber Link/Activity) TSPD (Copper Speed) TDPX (Copper Duplex) TLNK (Copper Link/Activity)
Dimensions	Width: 0.86" [22 mm] Depth: 5" [127 mm] Height: 3.4" [86 mm]
Power Consumption	4.0 Watts
Environment	Environment specs are dependent on the chassis chosen 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, CISPR22/EN55022 Class A, EN55024, EN61000, CE mark
Warranty	Lifetime

Ordering Information

CBFTF1011-105

10/100Base-TX (RJ-45) [100 m/328 ft.]
to 100Base-FX 1300nm multimode (ST)
[2 km/1.2 mi.] Link Budget: 11.0 dB

CBFTF1013-105

10/100Base-TX (RJ-45) [100 m/328 ft.]
to 100Base-FX 1300nm multimode (SC)
[2 km/1.2 mi.] Link Budget: 11.0 dB

CBFTF1039-105

10/100Base-TX (RJ-45) [100 m/328 ft.]
to 100Base-FX 1300nm multimode (LC)
[2 km/1.2 mi.] Link Budget: 11.0 dB

CBFTF1014-105

10/100Base-TX (RJ-45) [100 m/328 ft.]
to 100Base-FX 1310nm single mode (SC)
[20 km/12.4 mi.] Link Budget: 16.0 dB

CBFTF1019-105

10/100Base-TX (RJ-45) [100 m/328 ft.]
to 100Base-FX 1310nm single mode (LC)
[20 km/12.4 mi.] Link Budget: 17.3 dB

CBFTF1040-105

10/100Base-TX (RJ-45) [100 m/328 ft.]
to 100Base-X SFP Slot (empty)

Single Fiber Products

CBFTF1029-105

10/100Base-TX (RJ-45) [100 m/328 ft.]
to 100Base-FX 1310nm TX/1550nm RX
single fiber single mode (SC)
[20 km/12.4 mi.] Link Budget: 19.0 dB

CBFTF1029-106

10/100Base-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