



CETTF10xx-x0x

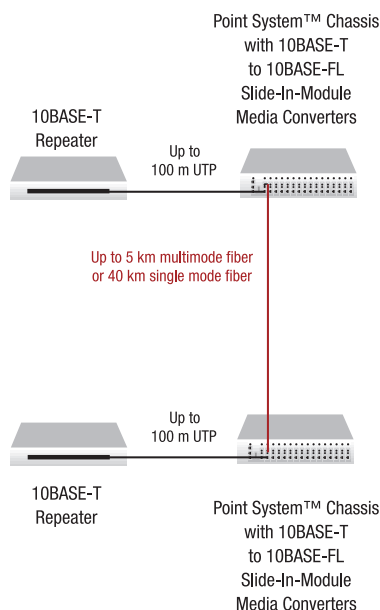
Ethernet Copper to Fiber Media Converter

Extend Network Distance

Two 10BASE-T to 10BASE-FL Media Converters used back-to-back extend the distance between two 10BASE-T devices up to 5 km (3.1 mi.) using multimode fiber, up to 40 km (24.9 mi.) using single mode fiber without a repeater, or up to 20km using single strand single mode fiber.

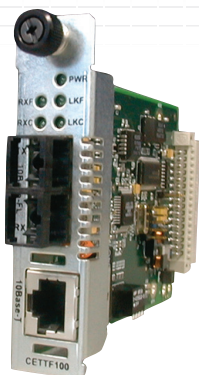
Connect Unlike Devices

Connect your workgroup to a distant server or a central switch; or extend distances between like and unlike devices in either full or half-duplex modes.



FCC & CISPR Class A devices comply with radiated emissions standards for commercial applications in the United States (FCC Class A) and Europe (CISPR Class A).

FCC & CISPR Class B devices comply with radiated emissions standards for residential applications in the United States (FCC Class B) and Europe (CISPR Class B).



- Integrate mixed cabling environments in either switched or shared Ethernet networks.
- Connect legacy 10BASE-T devices to a fiber based cabling infrastructure.

Features (both Class A & B)

- Can be used with any Point System™ Chassis
- AutoCross™
- Link Pass Through
- Automatic Link Restoration
- Remote Firmware Upgrade

Specifications

Standards	IEEE Std. 802.3, 10BASE-T, 10BASE-FL
4-position Switch	Fiber Port: Enables / disables network traffic on the fiber port; (Up = enabled) Copper Port: Enables / disables network traffic on the copper port; (Up = enabled) AutoCross™: Enables / disables AutoCross™ function; (Up = enabled) Link Pass Through: Enables / disables Link Pass Through function; (Up = enabled)
3-position Jumper	Hardware: Converter mode is determined by 4-position switch settings Software: Converter mode is determined by most recently saved on-board microprocessor setting
Status LEDs	PWR (Power): On for normal operation; LKF (Link Fiber): Steady LED indicates good fiber link and normal operation; RXF (Receive Fiber): Flashing LED indicates data reception on fiber link; LKC (Link Copper): Steady LED indicates good copper link and normal operation; RXC (Receive Copper): Flashing LED indicates data reception on copper link
Dimensions	Width: 0.86" [22 mm] Depth: 5.0" [127 mm] Height: 3.4" [86 mm]
Power Consumption	2.3 Watts
Environment	See chassis specifications
Shipping Weight	1 lb. [0.45 kg]
Regulatory Compliance	EN55022; EN55024; EN61000; CE Mark
Warranty	Lifetime

Ordering Info: Class A

CETTF1011-105

10BASE-T (RJ-45) [100 m/328 ft.]
to 10BASE-FL 850 nm MM (ST)
[2 km/1.2 mi.] Link Budget: 13.5 dB

CETTF1013-105

10BASE-T (RJ-45) [100 m/328 ft.]
to 10BASE-FL 850 nm MM (SC)
[2 km/1.2 mi.] Link Budget: 13.5 dB

CETTF1027-105

10BASE-T (RJ-45) [100 m/328 ft.]
to 10BASE-FL 1300 nm MM (ST)
[5 km/3.1 mi.] Link Budget: 13.5 dB

CETTF1012-105

10BASE-T (RJ-45) [100 m/328 ft.]
to 10BASE-FL 1310 nm SM (ST)
[20 km/12.4 mi.] Link Budget: 7.0 dB

CETTF1014-105

10BASE-T (RJ-45) [100 m/328 ft.]
to 10BASE-FL 1310 nm SM (SC)
[20 km/12.4 mi.] Link Budget: 15.0 dB

CETTF1022-105

10BASE-T (RJ-45) [100 m/328 ft.]
to 10BASE-FL 1310 nm SM (ST)
[40 km/24.9 mi.] Link Budget: 19.0 dB

CETTF1015-105

10BASE-T (RJ-45) [100 m/328 ft.]
to 10BASE-FL 1310 nm SM (SC)
[40 km/24.9 mi.] Link Budget: 14.0 dB

Single Fiber Products

Recommended use in pairs (see page 18)

CETTF1029-105

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

CETTF1029-106

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