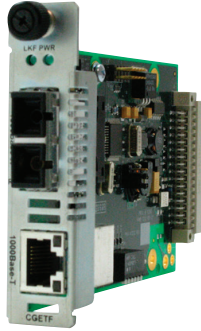


# CGETF Series

## Gigabit Ethernet Media Converter



The CGETF Gigabit chassis card converter can help networks migrate to Gigabit Ethernet in a cost-effective manner. Used in conjunction with lower cost 1000Base-T switches, companies can take advantage of the high bandwidth Gigabit Ethernet offers, without the higher costs. The CGETF cards allow users to extend the bandwidth to those users outside the reach of the 1000Base-T standard (up to 125 km).

### Features

- Copper and Fiber Auto-Negotiation
- Transparent Link Pass Through
- Automatic Link Restoration
- Remote Fault Detect
- Loopback
- Pause
- Field Upgradeable Firmware
- DMI - Diagnostic Monitoring Interface supported on CGETF1040-110 when an SFP supporting DMI is used
- DMI models have four functions:
  - Transmit Power
  - Receive Power
  - Transmit bias current
  - Temperature

Within each function, the device will send a trap (i.e. error) whenever a high or low warning event or a high or low alarm event occurs (for a total of 16 traps).

### Specifications

Standards	IEEE 802.3ab IEEE 802.3z
6-position Switch	SW1: Remote Fiber Fault Detect (Down=Enabled) SW2: Symmetric Pause SW3: Asymmetric Pause SW4: Transparent Link Pass Through (UP=Enabled) SW5: Fiber Auto-Negotiation (Down=Enabled) SW6: Loopback (Down=Enabled)
Jumper	Hardware: Converter mode is determined by 6-position switch settings Software: Converter mode is determined by most recently saved on-board microprocessor settings
Status LEDs	PWR (Power): ON=connection to external AC power LKF (Fiber Link): ON=fiber connection RXC (Copper Receive): Flashing=Receiving data on copper link; ON=Copper Link connection Duplex: ON=Copper Link connection
Dimensions	Width: 0.86" [22 mm] Depth: 5" [127 mm] Height: 3.4" [86 mm]
Power Consumption	5.4 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	CISPR/EN55022 Class A + EN55024, FCC Class A, CE Mark
Warranty	Lifetime

### Ordering Information

#### CGETF1013-110

1000Base-T (RJ-45) [100 m/328 ft.]  
to 1000Base-SX 850nm multimode (SC)  
[62.5/125 µm fiber: 220 m/722 ft.]  
Link Budget: 7.0 dB  
[50/125 µm fiber: 550 m/1804 ft.]  
Link Budget: 7.0 dB

#### CGETF1039-110

1000Base-T (RJ-45) [100 m/328 ft.]  
to 1000Base-SX 850nm multimode (LC)  
via SFP  
[62.5/125 µm fiber: 220 m/722 ft.]  
Link Budget: 8.0 dB  
[50/125 µm fiber: 550 m/1804 ft.]  
Link Budget: 8.0 dB

#### CGETF1024-110

1000Base-T (RJ-45) [100 m/328 ft.]  
to 1000Base-LX 1310nm Extended multimode  
(62.5/125 µm fiber only) (SC)  
[2 km/1.2 mi.] Link Budget: 7.0 dB

#### CGETF1014-110

1000Base-T (RJ-45) [100 m/328 ft.]  
to 1000Base-LX 1310nm single mode (SC)  
[10 km/6.2 mi.] Link Budget: 10.5 dB

#### CGETF1040-110

1000Base-T (RJ-45) [100 m/328 ft.]  
to 1000Base-X SFP Slot (empty)

### Single Fiber Products

#### CGETF1029-110

1000Base-T (RJ-45) [100 m/328ft.]  
to 1000Base-LX 1310nm TX/1550nm RX  
single fiber single mode (SC)  
[20 km/12.4 mi.] Link Budget: 13.0 dB

#### CGETF1029-111

1000Base-T (RJ-45) [100 m/328ft.]  
to 1000Base-LX 1550nm TX/1310nm RX  
single fiber single mode (SC)  
[20 km/12.4 mi.] Link Budget: 13.0 dB

**Optional Accessories** (sold separately)

#### SFP Modules