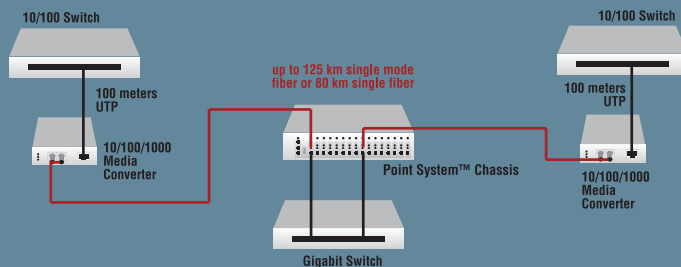


10/100/1000 Ethernet Multiport Media Converter



- ▶ Extend Network Distance
- ▶ Bridge legacy 10/100 devices to a Gigabit backbone
- ▶ Protect critical networks with fiber redundancy

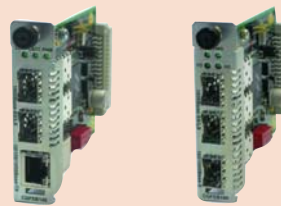
Extend Network Distance



Specifications

Standards	IEEE 802.3™, IEEE 802.3ab, IEEE 802.3u, IEEE 802.3z, IEEE 802.1P, IEEE 802.1q
Data Rate	TP (port 1): 10/100/1000 Mbps (-140 model only) SFP (port 1): 100/1000 Mbps (-180 model only) SFP (port 2,3): 1000 Mbps
Filtering Addresses	8K MAC Addresses
Max Frame Size	802.3ac tagged: 1628 bytes untagged: 1632 bytes
Status LEDs	PWR: ON green = Power applied to card TP (Duplex/Link/Activity): Orange: ON = Half-duplex Link; BLINK = Activity; Green: ON = Full-duplex Link; BLINK = Activity TP (10Mbps/100Mbps/1000Mbps): Off = 10Mbps; Orange = 100Mbps; Green = 1000Mbps LACT (Fiber SFP Link/Activity): Green: ON = Link; BLINK = Activity
Dip Switches (-140 model)	Switch 1: TX - Enable/Disable Auto-Negotiation Switch 2: TX - Force 10Mbps or 100Mbps with Switch 1 off Switch 3: TX - Force Half or Full duplex with Switch 1 off Switch 4: Enable/Disable Fiber Redundancy (port 2/3) Switch 5: Enable/Disable primary/secondary revert with Switch 4 on Switch 6: Enable/Disable P2 to P3 blocking
Dip Switches (-180 model)	Switch 1: Port 1 speed 100Mbps/1000Mbps Switch 2: Port 1 duplex full/half Switch 3: Port 1 mode 1000Base-X/SGMII Switch 4: Enable/Disable Fiber Redundancy (port 2/3) Switch 5: Enable/Disable primary/secondary revert with Switch 4 on Switch 6: Enable/Disable P2 to P3 blocking
Dimensions	Width: 0.86" [22 mm] Depth: 5.0" [127 mm] Height: 3.4" [86 mm]
Power Consumption	6 watts
Environment	See chassis specifications
Shipping Weight	1 lb. [0.45 kg]
Regulatory Compliance	CISPR/EN55022 Class A, EN55024, EN61000, FCC Class A, CE Mark
Warranty	Lifetime

CGFEB1040-140 CGFEB4040-180



Features

- ▶ Auto-Negotiation (copper and fiber ports)
- ▶ Switch Selectable Speeds (UTP) when Auto-Negotiation is off
- ▶ AutoCross™
- ▶ Pause
- ▶ Far End Fault (100Base-FX setting on -180 model port 1 only)
- ▶ Automatic Link Restoration
- ▶ Fiber Redundancy (<50ms switching time)
- ▶ IEEE 802.1P QoS, IPv4 Tos/Diffserv, IPv6 traffic class
- ▶ IEEE 802.1q VLAN tagging and double tagging (Q in Q)
- ▶ Remote Firmware Upgrade
- ▶ Virtual Cable Test (VCT) on UTP port (-140 model only)
- ▶ Bandwidth Allocation
- ▶ SGMII support on port 1 for use with 10/100/1000Base-T copper SFPs (-180 model only)
- ▶ 100/1000Base-X, dual speed support on port 1 for use with 100Base-FX or 1000Base-SX/LX SFPs (-180 model only)
- ▶ DMI, Digital diagnostics per SFF-8472
- ▶ RMON Counters for each port

Ordering Info

CGFEB1040-140
10/100/1000BASE-T (RJ-45) [100 m]
to (2) 1000BASE-X SFP Slots (empty)

CGFEB4040-180
100/1000BASE-X SFP Slot (empty)
to (2) 1000BASE-X SFP Slots (empty)



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