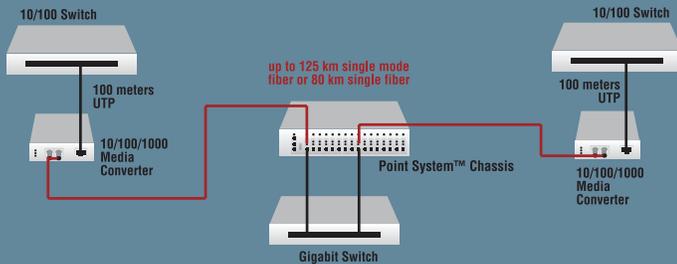


## 10/100/1000 Ethernet Multiport Media Converter



- ▶ 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	<b>TP (port 1):</b> 10/100/1000 Mbps (-140 model only) <b>SFP (port 1):</b> 100/1000 Mbps (-180 model only) <b>SFP (port 2,3):</b> 1000 Mbps
Filtering Addresses	8K MAC Addresses
Max Frame Size	<b>802.3ac tagged:</b> 1628 bytes <b>untagged:</b> 1632 bytes
Status LEDs	<b>PWR:</b> ON green = Power applied to card <b>TP (Duplex/Link/Activity):</b> Orange: ON = Half-duplex Link; BLINK = Activity; Green: ON = Full-duplex Link; BLINK = Activity <b>TP (10Mbps/100Mbps/1000Mbps):</b> Off = 10Mbps; Orange = 100Mbps; Green = 1000Mbps <b>LACT (Fiber SFP Link/Activity):</b> Green: ON = Link; BLINK = Activity
Dip Switches (-140 model)	<b>Switch 1:</b> TX - Enable/Disable Auto-Negotiation <b>Switch 2:</b> TX - Force 10Mbps or 100Mbps with Switch 1 off <b>Switch 3:</b> TX - Force Half or Full duplex with Switch 1 off <b>Switch 4:</b> Enable/Disable Fiber Redundancy (port 2/3) <b>Switch 5:</b> Enable/Disable primary/secondary revert with Switch 4 on <b>Switch 6:</b> Enable/Disable P2 to P3 blocking
Dip Switches (-180 model)	<b>Switch 1:</b> Port 1 speed 100Mbps/1000Mbps <b>Switch 2:</b> Port 1 duplex full/half <b>Switch 3:</b> Port 1 mode 1000Base-X/SGMII <b>Switch 4:</b> Enable/Disable Fiber Redundancy (port 2/3) <b>Switch 5:</b> Enable/Disable primary/secondary revert with Switch 4 on <b>Switch 6:</b> Enable/Disable P2 to P3 blocking
Dimensions	<b>Width:</b> 0.86" [22 mm] <b>Depth:</b> 5.0" [127 mm] <b>Height:</b> 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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