

Features & Benefits

- ✦ Compliant with IEEE 802.3z Gigabit Ethernet standard (1000 SC)
- ✦ Compliant with IEEE 802.3 standards (100 SC/ST)
- ✦ 3 Year warranty and advanced replacement
- ✦ Screw head keyway facilitating wall or under desk mounting
- ✦ Extensive LED Indication



Ordering Information

Product Description	Part Number
Network Smart 1000T to 1000 SX SC 550m Converter	010-003-008-70
Network Smart 10/100 to 100 FX MM SC 2km Converter	010-003-008-34
Network Smart 10/100 to 100 FX MM ST 2km Converter	010-003-008-35

Specifications

Standards Compliance	IEEE802.3z Gigabit Ethernet (010-003-008-70) IEEE802.3u 100BASE-FX Fast Ethernet IEEE802.3u 100BASE-TX Fast Ethernet IEEE802.3 10BASE-T Ethernet
Interface	Duplex SC (010-003-008-34, 010-003-008-70) Duplex ST (010-003-008-35) RJ45
Optical Characteristics	
Center Wavelength	Min 830nm, Typ 850nm, Max 860nm (010-003-008-70) Min 1300nm (010-003-008-35), Min 1308nm (010-003-008-34)
Output Power	Min -9.5dBm, Max -4dBm (010-003-008-70) Min -20dBm, Max -14dBm (010-003-008-35) Min -19dBm, Max -14dBm (010-003-008-34)
RX Sensitivity	-18dBm (010-003-008-70) -31dBm (010-003-008-35) (010-003-008-34)
Power Budget	Min 7.5dB, Max 14dB (010-003-008-70) Min 11dB, Max 17dB (010-003-008-35) (010-003-008-34)
Typical Distance (010-003-008-70)	50/125um 400 or 500MHz=km Modal Bandwidth 550m 50/125um 400MHz=km Modal Bandwidth 500m 62.5/125um 200MHz=km Modal Bandwidth 220m 62.5/125um 160MHzkm Modal Bandwidth 200m

The media converter was specifically designed to offer the network designer the tools for migration from copper to fibre.

Connectix offer a full range of converters to suit the requirements of migration or expansion of existing networks with minimum cost and complexity.

10/100 to 100FX MM 2km Converter are available in both SC or ST versions, if requirements are more demanding then the Smart 1000T to 1000 SX SC 550m Converter is the ideal solution for Gigabit applications.

If a number of converters are being installed we recommend the use of the 16 slot chassis, which is suitable for use in any 19" frame.

Specifications (cont.)

Optical Characteristics (cont.)

Typical Distance	62.5/125um 2,000m (010-003-008-35) (010-003-008-34)
LED Indicators	PWR: Illuminated for normal operation PORT/LNK/ACT: Flashes when receiving data packets PORT FDH/HDX: Indicates Duplex Mode PORT LINK FAIL: Indicates Source of Link Fault Signal PORT 100Mbps LED: Illuminated when link operating at 100Mbps
Dimensions	88 x 25 x 120mm (H x W x D)
Environment	Operating temperature 0 to 40°C Storage Temperature -25 to 70°C Operating Humidity 10% to 90% non condensing Storage humidity 5% to 90% non-Condensing
Power Supply	7.5v dc @ 1.5A
EMI & Safety	FCC Class B, CE Mark B, VCCI-B FCC Part 15 Class A & CE approved