

Gigabit Ethernet Media Converter

Signamax Connectivity Systems' 1000BaseT to 1000BaseSX Gigabit Media Converters makes it simple to extend distances over multimode fiber for 1000BaseT network cards, switches, and routers.

Media Converters are designed to expand the scope of your Gigabit Ethernet network applications and are 100% compliant with Ethernet IEEE 802.3ab and 802.3z specifications. They are also FCC Part 15 of Class A and CE approved.

They maintain the same form factor as other Signamax media converters, allowing use in the model 065-1180 Signamax Rack Mount Chassis.

The Chassis features fan cooling and redundant power supplies for mixed or multiple Ethernet, Fast Ethernet and Gigabit Ethernet installations. Converters can be directly rack mounted with no modifications, avoiding the need to maintain multiple spares of the same media type.

The 1000Base SX multimode fiber interface uses an SC connector which supports both 62.5/125 micron and 50/125 micron multimode fiber cables. Maximum achievable distance is 220 meters for 62.5/125 micron fiber and 550 meters for 50/125 micron fiber.

**KEY FEATURES**

- *Converts Twisted-Pair to Fiber*
- *Auto-MDIX for Twisted-Pair*
- *LEDs for Functions, Links & Activity*
- *Forced-On Full Duplex Mode*
- *Rack Mount or Standalone Operation*
- *IEEE 802.3z & 802.3ab Compliant*
- *FCC Class A & CE Approved*
- *Lifetime Performance Warranty*

For more information or technical support call us toll-free at 800 446-2377 or visit our Web Site at www.signamax.com.

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ORDERING INFORMATION

Gigabit Ethernet Media Converter

PART NUMBER	DESCRIPTION	FIBER TYPE
065-1195	1000BaseT to 1000BaseSX Converter	SC Multimode

SPECIFICATIONS

APPLICABLE STANDARDS

IEEE 802.3ab 1000BaseT
IEEE 802.3z 1000BaseSX

FIXED PORTS

One twisted-pair port meeting IEEE 802.3ab standard specification; Category 5e or better cable, 100 meters maximum distance
One fiber optic port meeting IEEE 802.3z standard 62.5/125 micron multimode fiber optic cable, 220 meters maximum distance
50/125 micron multimode fiber optic cable, 550 meters maximum distance

FIBER INTERFACE

Type: Laser Diode
Wavelength: 850 nm nominal.
Maximum Output: - 4.0 dBm
Minimum Output Power: - 9.5 dBm
Sensitivity: -13.5 dBm
Maximum Input Power: - 13.5 dBm
Link Power Budget: 4.0 dB

SPEED

1000Mbps Inbound, 1000Mbps Outbound, Full Duplex

FORWARDING RATE

1,488,000 packets per second at 1000 Mbps

LED INDICATORS

Power; TX; RX; FDX/COL; LNKF; LNKC

DIMENSIONS

Length 110 mm ~ Width 81 mm ~ Height 23 mm

WEIGHT

150 grams (0.33 pounds)

POWER

External power adapter
12 Volts DC; 600mA

POWER CONSUMPTION

5 Watts Maximum

OPERATING TEMPERATURE

0°C ~ 40°C (32°F ~ 104°F)

STORAGE TEMPERATURE

-25°C ~ 70°C (-13°F ~ 158°F)

HUMIDITY

10 ~ 90%, non-condensing

EMISSIONS

FCC part 15 Class A, CISPR Class A,
VCCI Class A, CE Mark

SAFETY

UL Listed

INCLUDES

User Manual, External Power Supply

International Models Available

