

ATM Singlemode To Multimode Media Converters

Signamax Connectivity Systems' ATM Singlemode to Multimode Converters provide efficient solutions for interconnecting multimode fiber LANs to fiber WANs over longer distances by integrating singlemode fiber optic cable into the LAN, by providing a multimode interface to singlemode fiber carrier demarcation points. Models are available for singlemode to multimode conversion for 155 Mbps and 622 Mbps Asynchronous Transfer Mode (ATM) applications transported over a Synchronous Optical Network (SONET). Each Media Converter is enclosed in a compact, strong metal case and includes an external power supply for stand-alone applications. They can also be installed without modification in the Signamax Rack Mount Chassis system, featuring redundant power supplies for high reliability in multiple converter installations.

KEY FEATURES

- Complies With ATM SONET OC-3/STM-1 and ATM SONET OC-12/STM-4 Standards
- Mountable in Rack Mount Chassis System
- Status LEDs to Easily Monitor Network Configuration
- Multimode Distances Up to 2 km
- Singlemode Distances Up to 20 km
- External Power Supply
- Lifetime Warranty

ORDERING INFORMATION

Part Number	Description
065-1190	ATM 155 Mbps Singlemode/SC, 20 km to ST/Multimode, 2 km
065-1190HS	ATM 622 Mbps Singlemode/SC, 20 km to ST/Multimode, 2 km

DIN Rail Mounting Bracket

065-11DINMT	DIN Rail Mounts Bracket for 065-11xx Series Media Converters
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SPECIFICATIONS**• APPLICABLE STANDARDS**

- Asynchronous Transfer Mode (ATM) 155 Mbps Specifications (Model 065-1190)
- Asynchronous Transfer Mode (ATM) 622 Mbps Specifications (Model 065-1190HS)
- Synchronous Optical Network (SONET) Optical Carrier - 3 (OC-3) Specifications (Model 065-1190)
- Synchronous Optical Network (SONET) Optical Carrier - 12 (OC-12) Specifications (Model 065-1190HS)
- Synchronous Digital Hierarchy (SDH) STM-1 Specifications (Model 065-1190)
- Synchronous Digital Hierarchy (SDH) STM-4 Specifications (Model 065-1190HS)

• FIXED PORT SPECIFICATIONS

- SONET OC-3 / ATM 155 Mbps multimode fiber optic interface, Model 065-1190:**
ST connector; 2000 meters maximum distance
- SONET OC-3 / ATM 155 Mbps singlemode fiber optic interface, Model 065-1190:**
SC connector; 20 kilometers maximum distance
- SONET OC-12 / ATM 622 Mbps multimode fiber optic interface, Model 065-1190HS:**
ST connector; 2000 meters maximum distance
- SONET OC-12 / ATM 622 Mbps singlemode fiber optic interface, Model 065-1190HS:**
SC connector; 20 kilometers maximum distance

• PERFORMANCE

- Delay: less than 21 bit times

• FIBER INTERFACES**Multimode:**

- Type:** LED
- Wavelength:** 1300 nm nominal (1270 nm maximum, 1380 nm minimum)
- Maximum Output Power:** - 14.0 dBm
- Minimum Output Power:** - 20.0 dBm
- Sensitivity:** -33.0 dBm
- Maximum Input Power:** - 8.0 dBm
- Link Power Budget:** 13.0 dB

Singlemode:

- Type:** MQW Laser
- Wavelength:** 1300 nm nominal (1260 nm maximum, 1360 nm minimum)
- Maximum Output Power:** - 7.0 dBm
- Minimum Output Power:** - 15.0 dBm
- Sensitivity:** -34.0 dBm
- Maximum Input Power:** - 7.0 dBm
- Link Power Budget:** 19.0 dB

• PHYSICAL CHARACTERISTICS**Case dimensions:**

- 4.33"L x 3.19"W x 0.91"H (110mm x 81mm x 23mm)
- Fiber connector protrusion varies with model.
- Weight:** 0.35 pounds (160 grams)

• LED INDICATORS

- Per Unit:** Power (rear panel)
- Per Port:** LNK
- Three LEDs total

• ENVIRONMENTAL CHARACTERISTICS

- Operating Temperature:** 32°F ~ 122°F (0°C ~ 50°C)
- Storage Temperature:** -4°F ~ 158°F (-25°C ~ 70°C)
- Operating Relative Humidity:** 10 ~ 80%, non-condensing
- Storage Relative Humidity:** 5 ~ 90%, non-condensing

• POWER

- External power adapter: 12 Volts DC; 0.8 A

• EMISSIONS

- FCC part 15 Class A, CE Mark

• SAFETY

- UL Listed

• WARRANTY

- Lifetime