Singlemode to Multi Mode Converters

Signamax Connectivity Systems' Singlemode to Multi Mode Converters provide efficient solutions for interconnecting Multi Mode fiber LANs over longer distances by integrating Single Mode fiber optic cable into the LAN. They also enable Ethernet LAN and WAN connectivity, by providing a Multi Mode interface to Single Mode fiber carrier demarcation points. Models are available for Single Mode to Multi Mode conversion between Fast Ethernet devices, or for 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 065-1185 Rack Mount Chassis system, featuring redundant power supplies for high reliability in multiple converter installations.

SPECIFICATIONS

APPLICABLE STANDARDS
Ethernet IEEE 802.3u
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
models 065-1130, 065-1130ED, 065-1130XLD:
ST connector; 2,000 meters max. distance
100BaseFX Multi Mode fiber optic interface,
models 065-1132, 065-1132ED, 065-1132XLD:
SC connector; 2,000 meters max. distance
100BaseFX Multi Mode fiber optic interface,
**models 065-1130, 065-1130ED, 065-1130XLD,
065-1132, 065-1132ED & 065-1132XLD:**
SC connector, 100BaseFX Single Mode fiber
interface; Standard model: 15 kilometers
max. distance
ED model: 40 kilometers max. distance
XLD model: 75 kilometers max. distance
**SONET OC-3 / ATM 155 Mbps
Multi Mode fiber optic interface,
model 065-1190:**
ST connector; 2,000 meters max. distance
**SONET OC-3 / ATM 155 Mbps
Single Mode fiber optic interface,
model 065-1190:**
SC connector; 20 kilometers max. distance
**SONET OC-12 / ATM 622 Mbps
Multi Mode fiber optic interface,
model 065-1190HS:**
ST connector; 2,000 meters max. distance
**SONET OC-12 / ATM 622 Mbps
Single Mode fiber optic interface,
model 065-1190HS:**
SC connector; 20 kilometers max. distance

PERFORMANCE
Delay: less than 21 bit times

PHYSICAL CHARACTERISTICS
Case dimensions (L x W x H):
110 x 81 x 23 mm
(4.33 x 3.19 x 0.91")
Fiber optic interface varies with model.
Weight: 150 grams

SAFETY
UL Listed

Model 065-1130

Singlemode to Multi Mode Converters

PART NO.	DESCRIPTION
065-1130	100BaseFX SC Single Mode (15 km span) to ST Multi Mode
065-1130ED	100BaseFX SC Single Mode (40 km span) to ST Multi Mode
065-1130XLD	100BaseFX SC Single Mode (75 km span) to ST Multi Mode
065-1132	100BaseFX SC Single Mode (15 km span) to SC Multi Mode
065-1132ED	100BaseFX SC Single Mode (40 km span) to SC Multi Mode
065-1132XLD	100BaseFX SC Single Mode (75 km span) to SC Multi Mode
065-1190	ATM 155 Mbps / SONET OC-3 SC Single Mode (20 km span) to SC Multi Mode

SIGNAMAX™
CONNECTIVITY SYSTEMS