

10/100BaseT/TX Switching Mini Fiber Optic Media Converters

Signamax Connectivity Systems' Switching Mini Fiber Optic Media Converters provide an intelligent solution for fiber optic connectivity where simplicity, low cost, and minimum footprint are the primary considerations. These converters are designed to handle both legacy 10BaseT and 100BaseTX Fast Ethernet devices on their twisted pair port while maintaining 100BaseFX Fast Ethernet transmission on the fiber optic port. Plug-and-play simplicity makes connection easy.

Each Media Converter provides a 10/100BaseT/TX auto-negotiating RJ45 twisted-pair connector port with Auto-MDIX capability for more convenient connection. Built-in 10/100 switch enables the fiber cable connection to operate at 100 Mbps connected to either a 10BaseT or a 100BaseTX network, while remaining completely 100BaseFX standard-compliant. Fiber connection can also operate in full duplex mode whether the RJ45 port is connected to a full duplex switch or a half duplex hub.



Model 065-1010



Model 065-1000

10/100BaseT/TX Switching Mini Fiber Optic Media Converters

PART NO.	DESCRIPTION
065-1000	10/100BaseT/TX to 100BaseFX, Multi Mode/ST, 2 km
065-1010	10/100BaseT/TX to 100BaseFX, Multi Mode/SC, 2 km
065-1020	10/100BaseT/TX to 100BaseFX, Single Mode/SC, 20 km
065-1020ED	10/100BaseT/TX to 100BaseFX, Single Mode/SC, 40 km
065-1020XLD	10/100BaseT/TX to 100BaseFX, Single Mode/SC, 75 km

SPECIFICATIONS

APPLICABLE STANDARDS

IEEE 802.3 10BaseT, IEEE 802.3u 100BaseTX, IEEE 802.3u 100BaseFX

FIXED PORTS

1 Auto-MDIX twisted-pair port meeting IEEE 802.3 10BaseT & IEEE 802.3u 100BaseTX standard specifications; Category 5 or better cable, 100 meters maximum distance for 100BaseTX, Category 3 or better cable, 100 meters maximum distance for 10BaseT plus 1 fiber optic port meeting IEEE 802.3u 100BaseFX standard specification; 62.5/125 or 50/125 micron Multi Mode fiber optic cable, 2,000 meters maximum distance (model 065-1010 & 065-1010) or 1 fiber optic port meeting IEEE 802.3u 100BaseFX standard specification; 9/125 micron Single Mode fiber optic cable, spanning: 20 kilometers maximum distance (model 065-1020) or 40 kilometers maximum distance (model 065-1020ED) or 75 kilometers maximum distance (model 065-1020XLD)

PERFORMANCE

Latency: <4.2 μs (LIFO)

Throughput @ 100Base: 148,809 pps (64-byte packets)

LEDs

Per Port: LNK/ACT TX, LNK/ACT FX
Two LEDs total

PHYSICAL CHARACTERISTICS

Case dimensions (L x W x H):

80 x 54 x 22 mm (3.15 x 2.13 x 0.87")

Fiber optic interface varies with model.

Weight: 0.122 kg

SAFETY

UL Listed