

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

Signamax Connectivity Systems' Switching PCI Fiber Optic Media Converters are an excellent solution for fiber-to-the-desktop installations where the workstation computers have pre-installed Network Interfaces. These media converters are inserted into one of the PC's available PCI slots, and a copper patch cable is used to connect the media converter to the existing network interface jack on the PC's motherboard or in an adjoining PCI slot. The fiber optic cable then connects to the fiber-based cabling plan for network connectivity. Avoids the need for fiber NIC driver maintenance in environments where PCs are used in both fiber- and copper-connected areas. 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 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.



Model 065-1060SC



Model 065-1060ST

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

PART NO.	DESCRIPTION
065-1060SC	PCI card-based 10/100BaseT/TX to 100BaseFX, Multi Mode/SC, 2 km
065-1060ST	PCI card-based 10/100BaseT/TX to 100BaseFX, Multi Mode/ST, 2 km
065-1060SM	PCI card-based 10/100BaseT/TX to 100BaseFX, Single Mode/SC, 20 km
065-1060SMED	PCI card-based 10/100BaseT/TX to 100BaseFX, Single Mode/SC, 40 km
065-1060SMXLD	PCI card-based 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, ANSI/IEEE 802.3 NWAY,
Auto-negotiation, PCI Specification 2.0/2.1

PERFORMANCE

Latency: < 4.2 μ s (LIFO)
Throughput @ 100Base: 148,809 pps (64-byte packets)

LEDs

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

ARCHITECTURE

32-Bit PCI Bus Mastering

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 with SC (model 065-1060SC) or ST (model 065-1060ST) meeting IEEE 802.3u 100BaseFX standard specification; 62.5/125 or 50/125 micron Multi Mode fiber optic cable, 2,000 meters maximum distance **or** 1 SC duplex fiber optic port meeting IEEE 802.3u 100BaseFX standard specification; 9/125 micron Single Mode fiber optic cable, spanning: 20 kilometers maximum distance (model 065-1060SM) **or** 40 kilometers maximum distance (model 065-1060SMED) **or** 75 kilometers maximum distance (model 065-1060SMXLD)