

Basic Media Converters

Signamax Fast Ethernet WDM Media Converters are designed to bridge a 100Base-TX signal to a 100Base-FX signal. It's used to extend the connection distance between two Fast Ethernet Twisted-pair devices via fiber cable transparently with no performance degradation.

WDM Switching Media Converters utilize two different light spectra with one end of a circuit transmitting on the other end's receive frequency (and vice versa), they must be used in A/B pairs. A circuit utilizing these converters would therefore use a single strand of Single Mode fiber optic cable plus one each of the 065-1176A and 065-1176B. It's supported Auto-negotiation & flow control function on Twisted-pair port.



Model 065-1186



Model 065-1176A



Model 065-1197B

Basic Media Converter

PART NO.	DESCRIPTION
065-1197B	1000BaseT to 1000BaseLX, SM 10 km, SC
065-1176A	10/100BaseT/TX to 100BaseFX SC SM (20 km) Tx = 1,310, Rx = 1,550
065-1176B	10/100BaseT/TX to 100BaseFX SC SM (20 km) Rx = 1,310, Tx = 1,550
065-1186	16-Slot Basic Media Converter Chassis

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 WDM fiber optic port meeting IEEE 802.3u 100BaseFX standard specification; 9/125 micron Single Mode fiber optic cable, spanning 20 kilometers maximum distance (models 065-1176ALFS and 065-1176BLFS) **or** 1 WDM fiber optic port meeting IEEE 802.3u 100BaseFX standard specification; 9/125 micron Single Mode fiber optic cable, spanning 40 kilometers maximum distance (models 065-1176AEDLFS and 065-1176BEDLFS)

PERFORMANCE

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

LEDs

Per unit: Power status, RJ45 port speed,
Per Port: LNK/ACT, FDX/COL
Six LEDs total

PHYSICAL CHARACTERISTICS

Case dimensions (L x W x H): 110 x 81 x 23 mm
Fiber optic interface varies with model

Weight: 150 grams

USB power connector on the rear panel optionally powers converter from computer's USB port

SAFETY

UL Listed