

Hardened Media Converters with LFS

Signamax has responded to the demands of fiber optic deployment in rugged environments by introducing the 065-1800 series of hardened media converters. The 065-1800 series provides flexibility in connector types with the extended temperature and humidity ranges required for high-risk installations. Switching models are available for converting Fast Ethernet twisted pair copper cabling to both Multi Mode and Single Mode fiber optic cabling, including models supporting single-strand Single Mode fiber requirements using Wave Division Multiplexing (WDM) technology. In addition, Fast Ethernet Single Mode to Multi Mode converters round out the line, making Signamax the choice for your harsh environment Fast Ethernet fiber optic conversion needs. Also Gigabit models are available.



Model 065-1810TB



Model 065-1800

Hardened Media Converters with LFS

PART NO.	DESCRIPTION
065-1800	10/100BaseT/TX to 100BaseFX MM/ST, 2 km Hardened Converter
065-1810	10/100BaseT/TX to 100BaseFX MM/SC, 2 km Hardened Converter
065-1820	10/100BaseT/TX to 100BaseFX SM/SC, 20 km Hardened Converter
065-1800TB	10/100BaseT/TX to 100BaseFX MM/ST, 2 km Hardened Converter, Terminal Block
065-1810TB	10/100BaseT/TX to 100FX MM/SC, 2 km Hardened Converter, Terminal Block
065-1820TB	10/100BaseT/TX to 100BaseFX SM/SC, 20 km Hardened Converter, Terminal Block
065-1895	1000 to 1000SX MM/SC, Hardened Converter
065-1895TB	1000 to 1000SX MM/SC, Hardened Converter, Terminal Block
065-1897	1000 to 1000LX SM/SC, Hardened Converter
065-1897TB	1000 to 1000LX SM/SC, Hardened Converter, Terminal Block

PERFORMANCE

Latency: <4.2 μ s (LIFO)
Throughput:
 148,809 pps @ 100 Mbps;
 14,880 pps @ 10Mbps
 (64-byte packets)

LEDs

Switching 10/100 to 100FX models:
 Per Unit – Power status, Speed (2 LEDs)
 Per Port – LNK/ACT, FDX/COL (2 LEDs)
 6 LEDs total

PHYSICAL CHARACTERISTICS

Dimensions: 130 x 110 x 30 mm
Weight: 0.8 kg
Power: External power supply; 12 Volts DC; 0.5 A
Operating temperature: -34 – 74°C
Storage temperature: -45 – 93°C
Operating and storage humidity: 10-95%, non-condensing

SPECIFICATIONS

APPLICABLE STANDARDS

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

FIXED PORTS

Switching 10/100 to 100FX models:

1 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 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 065-1820)

1000BaseT to 1000BaseSx/Lx models:

1 twisted-pair port meeting IEEE 802.3ab 1000BaseT plus 1 fiber optic port meeting IEEE 802.3z 1000BaseSX standard specification; 62.5/125 or 50/125 micron Multi Mode fiber optic cable or 1 SC duplex fiber optic port meeting IEEE 802.3z 1000BaseLX standard specification; 9/125 micron Single Mode fiber optic cable, spanning: 20 kilometers maximum distance (Model 065-1897)

Models w. TB are equipped with Terminal Block

EMISSIONS

CC part 15 Class A, CE Mark

NETWORK CONNECTIVITY SYSTEMS

www.signamax.eu