

# Stand Alone Managed Switching Media Converters

Signamax Connectivity Systems' 065-1600 series Stand Alone Managed Switching 10/100 Media Converters are individually-housed SNMP-managed media converters available with Single Mode and Multi Mode interfaces to provide copper-to-fiber conversion for mission-critical networks. They are typically used as circuit endpoint devices together with the Signamax Managed Media Converter Rack Mount Chassis System to enable network managers to remotely monitor the status of their entire fiber optic Fast Ethernet network all the way to the fiber optic circuit's last termination.

An individual SNMP management agent is included with each Signamax 065-1600 series stand alone managed converter. Equipped with Link Fault Signaling (LFS) and Loopback Testing capabilities, they extend the enterprise LAN configuration range up to 60 km while simultaneously minimizing downtime and technician dispatch expense.



Model 065-1696

Model 065-1610



## Stand Alone Managed Switching Media Converters

| PART NO.       | DESCRIPTION  |
|----------------|--|
| 065-1600       | 10/100BaseT/TX to 100BaseFX Converter ST Multi Mode                |
| 065-1610       | 10/100BaseT/TX to 100BaseFX Converter SC Multi Mode                |
| 065-1620       | 10/100BaseT/TX to 100BaseFX Converter SC Single Mode (30 km span)  |
| 065-1620ED     | 10/100BaseT/TX to 100BaseFX Converter SC Single Mode (60 km span)  |
| 065-1620XLD    | 10/100BaseT/TX to 100BaseFX Converter SC Single Mode (90 km span)  |
| 065-1676A      | 10/100BaseT/TX to 100BaseFX Converter WDM Single Mode (20 km span) |
| 065-1676B      | 10/100BaseT/TX to 100BaseFX Converter WDM Single Mode (20 km span) |
| 065-1676AED    | 10/100BaseT/TX to 100BaseFX Converter WDM Single Mode (40 km span) |
| 065-1676BED    | 10/100BaseT/TX to 100BaseFX Converter WDM Single Mode (40 km span) |
| 065-1696       | 10/100/1000BaseT/TX to 1000BaseSX Converter SC Multi Mode          |
| 065-1696LX     | 10/100/1000BaseT/TX to 1000BaseSX Converter SC Single Mode         |
| 065-1696LXWDMA | 10/100/1000BaseT/TX to 1000BaseSX Converter WDM Single Mode        |
| 065-1696LXWDMB | 10/100/1000BaseT/TX to 1000BaseSX Converter WDM Single Mode        |

## SPECIFICATIONS

### APPLICABLE STANDARDS

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

### FIXED PORTS

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 065-1620) **or** 40 kilometers maximum distance (model 065-1620ED) **or** 60 kilometers maximum distance (model 065-1620XLD) **or** 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 065-1676A and 065-1676B) **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 065-1676AED and 065-1676BED)

### PERFORMANCE

**Latency:** < 0.25  $\mu$ s (LIFO)

**Throughput:** 148,809 pps (64-byte packets)

### PHYSICAL CHARACTERISTICS

**Dimensions (L x W x H):** 267 x 126 x 44 mm

Fiber connector protrusion varies with model

**Weight:** 1.0 kg

**Power:** Internal power supply; 90 – 240 Volts AC

**Operating temperature:** 0° – 50°C

**Storage temperature:** -20° – 70°C

**Operating humidity:** 10-80%, non-condensing

**Storage humidity:** 5-90%, non-condensing

**EMI:** FCC part 15 Class A, CE Mark