

## 10/100 to 100FX PoE+ Media Converter

### KEY FEATURES

- Supports PoE+ (30 watt) Power Source Equipment (PSE)
- Converts 100BaseTX port to 100BaseFX
- Extensive LED indicators for network diagnostics
- Extended operating temperature range 14°F to 122°F (-10°C to 50°C)
- External 52 V DC 1.4 Amp power supply
- Supports wall-mount installation



The Signamax 10/100 to 100FX PoE+ Media Converter serves as Power Sourcing Equipment, which allows the converter to provide power to PoE+ standard compliant powered devices using the twisted pair connection. This externally AC-powered PoE+ media converter combines data received over a fiber optic link with 48 Volt DC power.

In lieu of a separate power connector, this external power supply can provide 1.4 Amps to powered devices. This is the perfect solution for an application that has indoor mounting with copper cable carrying PoE+ and data fire-stopped to a waterproof IP camera mounted on an exterior wall.

### ORDERING INFORMATION

PART NO.	DESCRIPTION
065-1050ASC	10/100BaseT/TX to 100BaseFX PoE+ Media Converter SC/MM, 2 km Span

### SPECIFICATIONS

#### Applicable Standards

IEEE 802.3 10BaseT  
IEEE 802.3u 100BaseTX  
IEEE 802.3u 100BaseFX  
IEEE 802.3af PoE  
IEEE 802.3at PoE+

#### Ports

1 - RJ-45 10/100BaseT/TX Auto-Negotiation, Auto-MDI/MDIX port plus 1 - fiber optic 100BaseFX port

#### LED Status Indicators

Per Unit: Power  
Per RJ-45 Port: PoE PSE, Link/Activity, Speed (100TX),  
Per Fiber Port: Link/Activity; Speed (100FX)

#### Performance

Latency: <4.5 µs (LIFO).  
Throughput @ 100Base: 148,810 pps (64-byte packets)

#### Fiber Interface

Type: LED  
Wavelength: 1300 nm nominal (1270 nm max., 1380 nm min.)  
Max Output Power: -14.0 dBm  
Min Output Power: -20.0 dBm  
Sensitivity: -33.0 dBm  
Max Input Power: -8.0 dBm  
Link Power Budget: 13.0 dB

#### Electrical Characteristics

Maximum Wattage: <33 Watts  
PSE Power Feed Support: "Endpoint" via TP pin 1, 2, 3, 6  
Maximum PoE Wattage Deliverable: 30 Watts  
External Power Supply: Input: 100 ~ 240 VAC, 50 ~ 60 Hz  
Output: 52 VDC, 1.4 Amp  
Power supply included.

#### Environmental Requirements

Operating Temperature: 14°F to 122°F (-10°C to 50°C)  
Storage Temperature: -4°F to 158°F (-20°C to 70°C)  
Relative Humidity: 5% to 90% (non-condensing)

#### Physical Characteristics

Dimensions: 3.62"L x 3.74"W x 1.10"H (92 mm x 95 mm x 28 mm)  
Includes built-in wall mounting bracket.  
Weight: 1.66 lb (0.75 kg)

#### Certifications

CE, FCC, ROHS, VCCI Class A

#### Warranty

Limited Lifetime