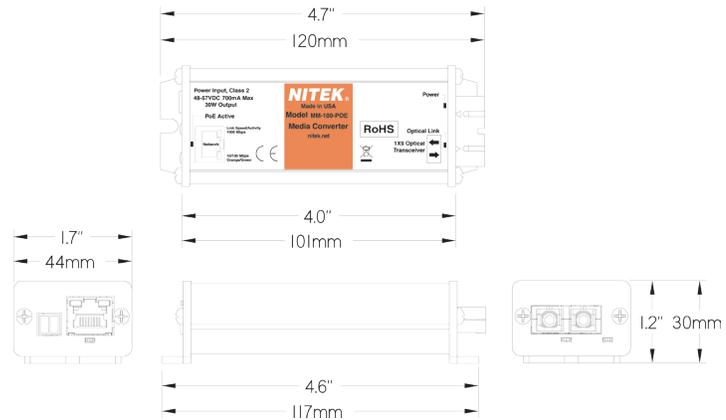## MM-100-POE
Fiber Media Converter, 2KM, 10/100BASE-TX to 100BASE-FX, MM, 1310nm, SC, with POE+

Nitek's line of fiber optic Media Converters allows the customer to extend 10/100 or Gigabit Ethernet communications well beyond the reach of copper solutions. Nitek offers versions of Media Converters that work over pairs of single-mode fiber or multi-mode fiber, and variants that will communicate over a single optical fiber. Max link distances range from 2 to 20km, and beyond. Nitek's Media Converters also offer a range of configurations: rack-mount and voltage options such as low voltage (5VDC, 6-15VDC), industrial voltages (12-30VAC, 12-57VDC), and PoE (48-57V). The -POE models will output power on the network port to power remote cameras or devices.

The MM-100-POE is another of Nitek's most popular Media Converters. The MM-100-POE is a rugged solution for extending 10/100 Ethernet up to 2km over SC terminated multi-mode optical fiber. The MM-100-POE offers 30W of PoE injection into the Network Port to power attached devices.

PRODUCT FEATURES

- Miniature Design
- Injects POE+ power into Network power to power attached devices
- 1x 10/100 (Fast Ethernet) RJ45 Network Port with POE+
- 1x 100BASE-FX SC duplex multi-mode Port
- Extends 10/100 Ethernet up to 2km over multi-mode fiber
- Compliant with IEEE802.3 standards

- Autosensing MDI/MDIX crossover on Network Port
- LED indicators for network signals, link status, and power
- Power Supply included
- Easy to set up and install
- Limited Lifetime Warranty
- Designed, tested, manufactured, and supported in the U.S.A.

TECHNICAL SPECIFICATIONS

Max Operating Distance
Electrical: Up to 100m on Network Port (10/100 copper)
Optical: Up to 2km using SC duplex multi-mode 50um or 62.5um fiber
Power
Requires: 48-57V DC 700mA Max
LED Connectivity Indicators
Orange/Green Flashing LED for 10/100BASE electrical link & activity
Green Flashing LED for optical link & activity
Green LED for power
Green LED for POE
Mechanical Dimensions (L x W x H)
117mm x 44mm x 30mm / 4.7" x 1.7" x 1.2"
Mounting: (2x) 8mm / 3/8"
Shipping Dimensions (L x W x H)
Package: 194mm x 162mm x 61mm / 7.6" x 6.4" x 2.4"
Weight: 0.6kg / 1.5lbs

Environmental / Temperature
Operating Temperature: 0°C to 70°C / 32°F to 158°F
Storage Temperature: -40°C to 85°C / -40° to 185°F
Mean Time Between Failure: >100,000 Hours
Connectors
Network Port: RJ45 Connector
Optical Port: Duplex SC multi-mode fiber
Ethernet:
10/100Mb full or half-duplex
Optical:
Optical Wavelength: 1310nm
Optical Launch Power: -9dBm (max) to-14dBm (min)
Minimum Receiver Sensitivity: -33dBm @1x10E-10 BER
Receiver Overload Power: -8dBm
Minimum Optical Budget: 19dB

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