

### Fiber Media Converter, 1000Base-LSX with POE+, Single-Mode Fiber, SC Connector

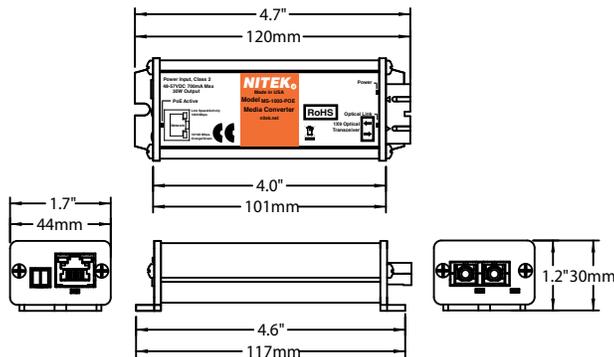
The MS-1000-POE Fiber Media Converter is a rugged and cost-effective solution for extending 10/100/1000 Gigabit Ethernet up to 20 km over SC-terminated single-mode optical fiber.

The MS-1000-POE offers 30W of POE injection into the network port to power attached devices.



### PRODUCT FEATURES

- Miniature Design
- Injects POE+ to power attached network device
- 1x 10/100/1000 Gigabit RJ45 port with POE+
- 1x 1000BASE-LSX SC duplex single-mode port
- Extends 10/100/1000 Mbps Ethernet up to 20 km over single-mode fiber
- Compliant with IEEE 802.3 standards
- Autosensing MDI/MDIX crossover
- LED indicators for network signals, link status, and power
- Power supply included
- Easy to set up and install
- Limited Lifetime Warranty



### TECHNICAL SPECIFICATIONS



Designed, Tested, Manufactured, and Supported in the U.S.A.

#### Max Operating Distance

Electrical: Up to 100m on Network Port (10/100/1000 copper)  
Optical: Up to 20km using SC duplex singlemode 9um fiber

#### Power

Requires: 48-57VDC

#### LED Connectivity Indicators

Green flashing LED for 1000BASE Electrical link & activity  
Orange/Green flashing LED for 10/100BASE-T electrical link & activity  
Green flashing LED for optical link & activity  
Green LED for power  
Green LED for POE

Mounting: (2x) 8mm / 3/8"

#### Mechanical Dimensions (L x W x H)

119mm x 44mm x 30mm / 4.7" x 1.7" x 1.2"

#### Shipping Dimensions (L x W x H)

Package: 194mm x 162mm x 61mm / 7.6" x 6.4" x 2.4"  
Weight: 0.3kg / 0.7lbs

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#### USA OFFICE:

729 1ST AVE N. BIRMINGHAM, AL 35203

PHONE : (847) 259-8900

E-MAIL: INFO@NITEK.NET • WEB:NITEK.NET

#### Environmental / Temperature

Operating Temperature: 0°C to 70°C / 32°F to 158°F  
Storage Temperature: -40°C to 85°C / -40°F to 185°F  
Mean Time Between Failure: >100,000 Hours

#### Connectors

Network Port: RJ45 Connector  
Optical Port: Duplex SC single-mode fiber

#### Ethernet:

10/100/1000 full or half-duplex

#### Optical:

Optical Wavelength: 1310nm  
Optical Launch Power: -3dBm (max) to -10dBm (min)  
Minimum Receiver Sensitivity: -20dBm @1x10E-10 BER  
Receiver Overload Power: -0dBm  
Minimum Optical Budget: 10dB