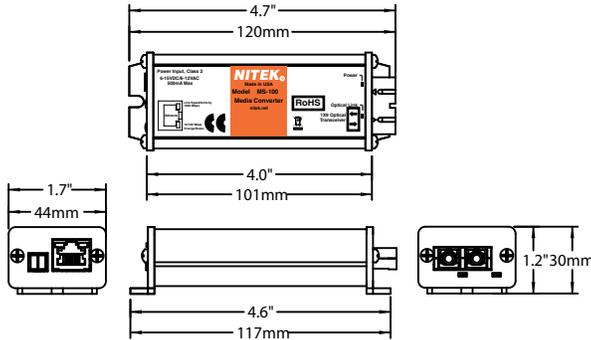


Fiber Media Converter, 1000Base-LSX, Single-Mode Fiber, SC Connector

The MS-1000 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.



PRODUCT FEATURES

- Miniature Design
- 1x 10/100/1000 Gigabit RJ45 port
- 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: 6 -15V DC / 6-12 AC (12V DC recommended)

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

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

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

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