



MIL-1225LS Gigabit Ethernet Media Converter



- Converts 1000BASE-SX multi-mode fiber (MMF) to 1000BASE-LX singlemode fiber link
- Has optional redundant power supply
- Operates in half- and full-duplex environments

The 1225LS allows you to convert 1000BASE-SX, MMF ports to 1000BASE-LX SMF ports where and when you need them.

The device ships with one power supply, but it allows for installing an optional redundant power supply for even greater integrity.

Diagnostic LEDs indicate whether there is power from one or both power supplies, if there is a valid connection on the 1000BASE-SX port, and if there is a valid connection on the 1000BASE-LX port.

Using an external box for adding SMF connections allows for purchasing less expensive MMF port switches and NICs.

It is also a more cost-effective solution than GBIC connectors, which generally require you to purchase the inserts from the switch vendor.



MILAN Technology
1329 Moffett Park drive
Sunnyvale, CA 94089
1-800-466-4526
www.milan.com

Gigabit Ethernet Media Converter

MIL-1225LS

Features

- Cost-effective 1000BASE-SX to 1000BASE-LX port conversion
- Redundant power supply option for greater reliability
- Ability to operate in any Gigabit Ethernet environment

Regulatory Approvals

FCC Class A
Canadian DOC Class A
UL 1950
CSA 950
EN 60950
CE Mark
- EN55022 Class B
- EN50082

LED's

Diagnostic LEDs analyze your network activity and display it at a glance.

LEDs light to indicate:

PWR1: Power Supply 1 working

PWR2: Power Supply 2 working

SSD: Link seen on 1000BASE-SX MMF Port

LSD: Link seen on 1000BASE-LX SMF Port

Fiber Interface Characteristics

(All dB/m numbers are averages)

	1000BASE-SX	1000BASE-LX
Wavelength:	850 nm	1300 nm
Diameter:	50/62.5 μ m	8 - 9 μ m
Launch power:	-4 dB/m	-3 dB/m
Sensitivity:	-17 dB/m	-20 dB/m
Max distance:	500 m	10 Km
Media:	MMF	SMF
Connector:	SC	SC

Environmental

Operating temperature: 0 to 50°C (32° to 122° F)
Storage temperature: -20°C to 70°C (-4°F to 158°F)
Relative humidity: 10% to 90% (non-condensing)
Altitude: 0 to 12,000 feet (0 to 3,660 m)

Dimensions

Weight: 6.5 oz
Height: 1 in. (2.5 cm)
Width: 4 in. (10.2 cm)
Depth: 3.5 in. (8.9 cm)

Shipping Dimensions

Weight: 2 lbs 6 oz.
Height: 3 in. (7.6 cm)
Width: 10.8 in. (26.9 cm)
Depth: 8.3 in. (20.6 cm)

Power Requirements

(External supply)
110 VAC at 60 Hz
220 VAC at 50 Hz
5 VDC at 1.5 Amp

Ordering Information

MIL-1225LS Gigabit Ethernet 1000BASE-SX to 1000BASE-LX
MIL-1225LSIN International
80035 Optional 110V PS
80040 Optional 220V PS

Warranty

Comprehensive 5 years

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