



## 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.



# 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 $\mu$ m	8 - 9 $\mu$ 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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