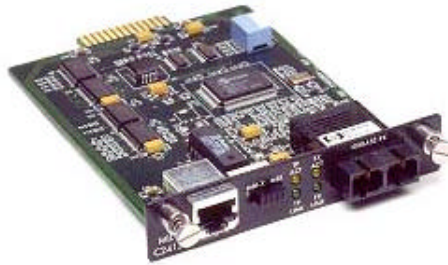




Fast Ethernet Media Converters MIL-C2000 Series



MiLAN's 100BASE-TX to 100BASE-FX Media Converters convert UTP to fiber and extend network distances up to 100km, in Full-Duplex operation. Providing a simple and affordable means of migrating network infrastructure to higher bandwidths and reliably introducing new applications.

Fiber Connectivity

Connection types in SC, ST, and MT-RJ for Multi-mode; SC and MT-RJ for Single-mode

Auto MDI/MDIX

Automatic cable detection for adjusting 10/100BASE-TX ports to straight-through or crossover cables during installation, allowing direct connectivity to PCs or switches

Simple Diagnostics

Status LEDs for indicating port status, including Fiber Link, Fiber Activity, Twisted Pair Link, and Twisted Pair Activity

Standalone or Modular Versions

Standalone MIL-C211x series serve individual media converter requirements; MIL-C241x modules integrate with MiLAN's MIL-9100X Eight-slot or MIL-9200X Sixteen-slot Media Conversion Chassis for managed media conversion

Easy Management

MIL-C241x modular units supported by MiLAN's LinkSentry™ SNMP management application for remote configuration and lost link alarming; chassis' are configurable as primary or cascade units



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Fast Ethernet Media Converters

MIL-C2000 Series

Specifications

MIL-C211X Series "Standalone"

Dimensions: 73.66 mm x 88.90 mm x 25.40 mm (2.90" W x 3.50" D x 1.00" H)

Weight: .1270 Kg (.28 lbs)

Operating Temperature: 0 to 50°C (32°F to 122°F)

Storage Temperature: -25°C to 70°C (-13°F to 158°F)

Operating Humidity: 10% to 95% (non-condensing)

Altitude: 0 to 12,000 Feet (3660m)

Input voltage: 100 VAC @ 60 Hz

Input Current: 1A

Functional Standards: Compatible with IEEE802.3u

Emissions/Safety: UL 1950, CSA 22.2 No. 950, EN60950 (TUV), FCC

Class A, EN55022 Class B, EN50082-1, CE

MIL-C241X Series "Modular"

Dimensions: 93.98 mm x 127.00 mm x 1.52 mm (3.70" W x 5.00" D x .06" H)

Weight: n .0978 Kg (.2144 lbs)

Operating Temperature: 0 to 50°C (32°F to 122°F)

Storage Temperature: -20°C to 70°C (-4°F to 158°F)

Operating Humidity: 5% to 90% (non-condensing)

Altitude: 0 to 12,000 Feet (3660m)

Powered via backplane:

Input voltage: +5V +/-5%

Input Current: 1A

Functional Standards: Compatible with IEEE802.3u

Emissions/Safety: UL 1950, CSA 22.2 No. 950, EN60950 (TUV), FCC

Class A, EN55022 Class B, EN50082-1, CE

Packet Transmission Characteristics

Round Trip Delay: 0.3?s Maximum

Bit Error Rate: <10⁻¹²

Fiber Port Characteristics

Interface: Multi-mode

Speed: 100BASE-FX (2km)

Transmitter: Wavelength 1310nm

Output Power (50 or 62.5?m): -16.8dBm

Receiver: Wavelength 1310nm

Sensitivity: -34 dBm

Interface: Single mode

Speed: 100BASE-FX Single mode (15km)

Transmitter: Wavelength 1310nm

Output Power (8 or 9/125?m): -13dBm

Receiver: Wavelength 1310nm

Sensitivity: -34dBm

Interface: Single mode

Speed: 100BASE-FX Single mode (40km)

Transmitter: Wavelength 1310nm

Output Power (9/125?m): -2dBm

Receiver: Wavelength 1310nm

Sensitivity: -37dBm

Speed: 100BASE-FX Single mode (60km)

Transmitter: Wavelength 1550nm

Output Power (8 or 9/125?m): -1.8dBm

Receiver: Wavelength 1550nm

Sensitivity: -37dBm

Speed: 100BASE-FX Single mode (100km)

Transmitter: Wavelength 1550nm

Output Power (8 or 9/125?m): 3dBm

Receiver: Wavelength 1550nm

Sensitivity: -37dBm

Twisted Pair Port Characteristics

	Min.	Typical	Max.
UTP Differential			
Output Voltage	950mv	980mv	1050mv
Overshoot Voltage	x	4%	5%
Single Amplitude Symmetry	98	1.0062	1.02
Rise and Fall Time			
Rise	3.0ns	4.6ns	5.0ns
Fall	3.0ns	4.2ns	5.0ns
Rise and Fall Symmetry	0.4ns	0.5ns	

Ordering Information

Media Converter - Standalone

MIL-C2112:	100BASE-TX/100BASE-FX ST MMF 2km
MIL-C2113	100BASE-TX/100BASE-FX SC MMF 2km
MIL-C2113-15	100BASE-TX/100BASE-FX SC SMF 15km
MIL-C2113-40	100BASE-TX/100BASE-FX SC SMF 40km
MIL-C2113-60	100BASE-TX/100BASE-FX SC SMF 60km
MIL-C2113-100	100BASE-TX/100BASE-FX SC SMF 100km
MIL-C2114	100BASE-TX/100BASE-FX MT-RJ MMF 2km
MIL-C2114-15	100BASE-TX/100BASE-FX MT-RJ SMF 15km

Media Converter - Modular

MIL-C2412	100BASE-TX/100BASE-FX ST MMF 2km
MIL-C2413	100BASE-TX/100BASE-FX SC MMF 2km
MIL-C2413-15	100BASE-TX/100BASE-FX SC SMF 15km
MIL-C2413-40	100BASE-TX/100BASE-FX SC SMF 40km
MIL-C2413-60	100BASE-TX/100BASE-FX SC SMF 60km
MIL-C2413-100	100BASE-TX/100BASE-FX SC SMF 100km
MIL-C2414	100BASE-TX/100BASE-FX MT-RJ MMF 2km
MIL-C2414-15	100BASE-TX/100BASE-FX MT-RJ SMF 15km

Warranty

Comprehensive 5 years

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