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Find the *Milan Technology / Digi International MIL-240FXT* at our website: *Click HERE*



Datasheet

MiLAN

MIL-240TX 100BASE-TX Port Selector Transceiver
MIL-240FXC 100M SC Redundant Port Selector Transceiver
MIL-240FXT 100M ST Redundant Port Selector Transceiver



- **Provides fault-tolerant redundant connections between critical nodes**
- **Easy to install and use**
- **Uses standards-based technology**

The 240 Redundant Port Selectors make up a family of Fast Ethernet fault-tolerant transceivers. They significantly reduce network downtime, adding a new level of redundancy to Fast Ethernet connections. They also provide a redundant path for critical fast devices.

In a Fast Ethernet network, a critical device such as a file server may be connected to the rest of the network through a hub or a switch. A common problem in this configuration is that the server is often connected to the network through a single cable. If the cable fails, then the server is disconnected from the rest of the network. Similarly, if a port of a hub or switch to which the server is connected fails, the server is disconnected from the network.

The 240TX, 240FXC and 240FXT Redundant Transceivers have three ports: one for the critical (main) device, one for the default (primary) path for the critical device, and another (backup) for the backup path. They are smart devices that will not send any signal on a path that is not active. If the primary path loses its link, then the 240TX, 240FXC and 240FXT will immediately (in less than one microsecond) switch to the backup path.

When the primary path re-establishes its link, the 240 Redundant Port Selector family will automatically switch back to the primary path.

MiLAN

MiLAN Technology
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Sunnyvale, CA 94089
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Fast Ethernet Redundant Transceivers
MIL-240TX / MIL-240FXC / MIL-240FXT

Features
Unique Features on the 240TX
• Three shielded RJ45 connectors
• Fault-tolerant support for UTPCategory 5 cable

Unique Features on the 240FXC/240FXT
• Three ST fiber connectors (240FXT)
• Three SC fiber connectors (240FXC)
• Fault-tolerant for multi-mode fiber
• 100BASE-FX compliant

Common Features of the 240TX, 240FXC and 240FXT
• Supports half- and full-duplex transmission
• Supports 100 m UTP or 2 km fiber transmission distance (full-duplex)
• IEEE 802.3u compliant
• Supports "back-to-back" installation configuration
• Four diagnostic LEDs
• Power supply adapter for international versions

RJ45 Connectors
Type: 8-position, RJ45 receptacle

1: TX+	5: NC
2: TX-	6: RX-
3: RX+	7: NC
4: NC	8: NC

(NC= No connection)

Fiber Specifications
Launch power (dBm): Max: 7.0 Min: 15.1
Receiver sensitivity (dBm): Min: 34.4
Maximum cable length: Approximately 2 km (full-duplex)
Latency: 9 nanoseconds
Wavelength: 1300 nm

LED's
PWR: Indicates the presence of POWER
MPSD: Indicates the presence of a LINK signal from the user device connected to the MAIN Port
PPSD: Indicates the presence of a LINK signal from the user device connected to the PRIMARY Port
BPSD: Indicates the presence of a LINK signal from the user device connected to the BACKUP Port

Environmental
Operating temperature: 0° - 40°C (32°F - 105°F)
Storage temperature: 20°C - 70°C (-4°F - 158°F)
Relative humidity: 10% - 90% (non-condensing)
Altitude: 0 - 3,660 m (0 - 12,000 feet)

Power Requirements
Domestic
• Input: 110 VAC @ 60 Hz
• Output: 5 volts DC, 1.5 Amp
International (with IEC receptacle connector)
• Input: 220 VAC @ 50 Hz
• Output: 5 volts DC, 1.5 Amp

Regulatory Approvals
FCC Class A
CE Mark
EN55022 Class B
EN50082
UL 1950
CSA 22 No. 950
EN60950

Ordering Information
MIL-240TX 100BASE-TX Port Selector Transceiver
MIL-240FXC 100M SC Redundant Port Selector Transceiver
MIL-240FXT 100M ST Redundant Port Selector Transceiver

Warranty
Comprehensive 5 years

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