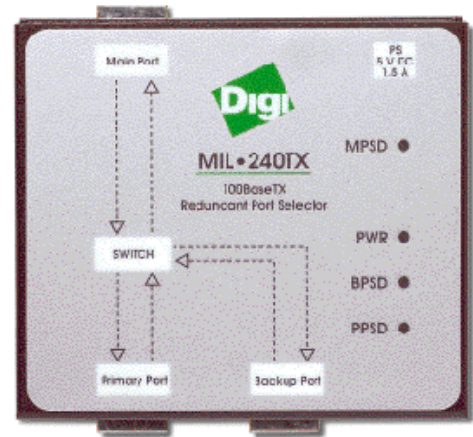
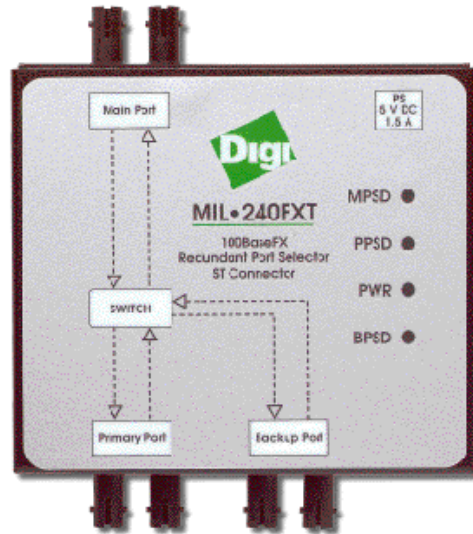


Digi Transceivers

D A T A
S H E E T

MIL-240TX 100BaseTX Redundant Transceiver MIL-240FXC 100BaseTX Redundant Transceiver MIL-240FXT 100BaseTX Redundant Transceiver



- Provides fault tolerant, redundant connections between critical nodes, e.g. file server to switch, switch to switch
- Easy to use and install
- Standards-based technology

The MIL-240, Redundant Port Selector, is a family of Fast Ethernet (100Mbps) fault-tolerant transceivers. It significantly reduces network down-time, adding a new level of redundancy to Fast Ethernet Connections. It provides a redundant path for critical Fast Ethernet devices, such as file servers and switches.

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, then again the server is disconnected from the network.

The MIL-240TX, MIL-240FXC and MIL-240FXT Redundant Port Selector Transceivers solve the single path connections problem by providing an extra path to critical devices such as file servers and switches. They 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. The MIL-240TX, MIL-240FXC and MIL-240FXT 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 MIL-240TX, FXC and FXT will immediately (less than 1 micro second) switch to the back-up path. When the primary path re-establishes its link, the MIL-240 Redundant Port Selectors will automatically switch back to the primary path.



Features/Specifications

Features

Unique Features on the MIL-240TX

- Three (3) shielded RJ-45 connectors
- Fault tolerant support for UTP Category 5 wire

Unique Features on the MIL-240FXC/

MIL-240FXT

- Three (3) ST Fiber connectors (MIL240FXT)
- Three (3) SC Fiber connectors (MIL240FXC)
- Fault tolerant for multi-mode fiber
- 100BaseFX compliant

Common Features on the MIL-240TX, FXC & FXT

- Supports full- and half-duplex transmission
- Supports 100m, UTP or 2Km fiber transmission distance (full duplex)
- Compliant with IEEE 802.3u specifications
- Supports "back to back" installation configuration
- Four (4) diagnostic LED's
- Power supply adapter for international versions

Product Package

- Installation guide

Shielded RJ-45 Connectors

- Type: 8-position, RJ-45 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 nsec.
- Wavelength: 1300nm

LEDs

- 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

Domestic Electrical

- Input: 110VAC @ 60 Hz
- Output: 5 volts DC, 1.5 Amp

International Electrical with IEC Receptacle Connector

- Input: 220VAC @ 50 Hz
- Output: 5 volts DC, 1.5 Amp

Standards Compliance

- FCC Class A
- CE
 - EN55022 Class B
 - EN50082
- UL 1950
- CSA 22 No. 950
- EN60950

Environmental

- Operating Temperature: 32°F to 105°F
- Relative Humidity: 10% - 95% humidity, non-condensing
- Altitude: 0 to 40,000 feet (0 to 12,192 meters)

Digi Service and Support

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Dimensions

Height	Width	Depth	Weight
1.0 in. (2.54 cm)	3.5 in. (8.89 cm)	4.0 in. (10.2 cm)	6 oz. (.154 Kg)

Models and Part Numbers

240TX-100BaseTX Redundant Port Selector, 110VAC	MIL-240TX
240FXC-100BaseFX Redundant Port Selector Transceiver with SC type connectors	MIL-240FXC
240FXT-100BaseFX Redundant Port Selector Transceiver with ST type connectors	MIL-240FXT
240TXIN-100BaseTX Redundant Port Selector, 220VAC	MIL-240TXIN
240FXCIN (International)	MIL-240FXCIN
240FXTIN (International)	MIL-240FXTIN
Rack Mount Assembly	MIL-RM3U

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