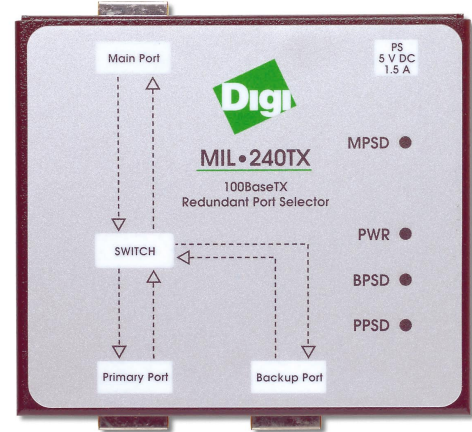
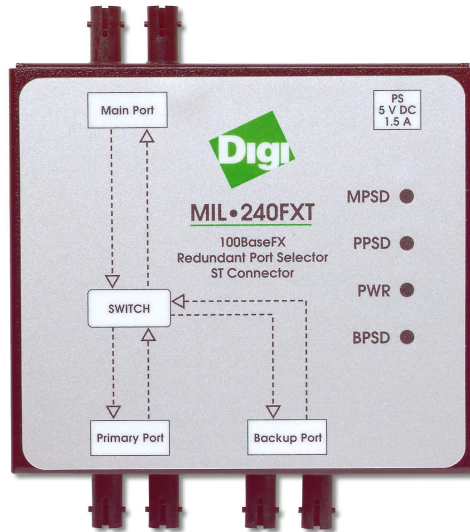


Digi Transceivers

D A T A
S H E E T

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



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.

- 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
- 5 year warranty



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
- MPSPD-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

You can purchase with confidence knowing that Digi is here to support you with expert technical support and the industry's strongest warranty

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

*Approved for North American use only

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