



DEM-421XT

10GBASE-SR Fiber XFP 10Gigabit Transceiver

Up to 300 m 10Gigabit Transmission on Multi-Mode Fiber

The D-Link DEM-421XT transceiver provides a high performance solution for serial optical data communication applications specified for 10Gbps. It's Small Form Factor Pluggable (XFP) compliant with the Multi-Source Agreement (MSA) Specification. The transceiver has a duplex LC connector and provides IEEE 802.3ae 10GBASE-SR compliant link for up to 10.51875Gbps transmission for short distance fiber cable applications.

Optical Data Communication

This transceiver provides a high performance and cost-effective solution for serial optical data communication applications specified for multi-mode supporting up to 10.51875Gbps rate. It operates with +3.3V and +5V power supply. The transceiver is intended for multi-mode fiber, operates at a nominal wavelength of 850nm and complies with Multi-Source Agreement (MSA) Small Form Factor Pluggable (XFP). The transceiver consists of a transmitter

optical subassembly, a receiver optical subassembly and an electrical subassembly. It is housed in a metal package and the combination produces a reliable component.

Wide Ranging Applications

This fiber Gigabit transceiver is ideal for deployment as for Ethernet links, fiber channel links at 10Gbps, high-speed backbone interconnection and switched backbones.

Product Features

- Up to 300 m multi-mode fiber cable distance coverage
- Compliance with IEEE-802.3ae 10GBASE-SR specifications
- 10.3125Gbps to 10.51875Gbps transmission rates support
- 850nm wave length
- +3.3V/5V power supply support
- Compliant with Multi-Source Agreement (MSA) Small Form Factor Pluggable (XFP)
- Duplex LC connector
- Full duplex 802.3x Flow Control support
- Built-in 2-wire digital management and diagnostic interface

DEM-421XT

Technical Specifications

Transceiver

Standard

IEEE 802.3ae 10GBASE-SX 10Gigabit Ethernet

Transceiver Type

XFP (Small Form Factor Pluggable)

Connector

Duplex LC

Data Rates

10.3125Gbps to 10.51875Gbps

Wavelength

850nm

Cable Type

Multi-mode fiber

Maximum Cable Distance Coverage

300 m

Voltage

+3.3V and +5.0V support

Operating Temperature

0° to 70 °C

Storage Temperature

-40° to 85 °C

Humidity

0% to 85% RH

Emission

- FCC Class B
- CE



Ordering Information

DEM-421XT

10GBASE-SR Fiber XFP Transceiver

NDEM-421XT

10GBASE-SR Fiber XFP Transceiver (China packaging)

D-Link®

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