



DEM-422XT

10GBASE-LR Fiber XFP 10Gigabit Transceiver

Up to 10 km 10Gigabit Transmission on Single-Mode Fiber

The D-Link DEM-422XT 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-LR compliant link for up to 10.7Gbps transmission for long 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 10.7Gbps rate. It operates with +3.3V and +5V power supply. The transceiver is intended for multi-mode fiber, operates at a nominal wavelength of 1310nm 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 10 km single-mode fiber cable distance coverage
- Compliance with IEEE-802.3ae 10GBASE-LR specifications
- 9.95Gbps to 10.7Gbps transmission rates support
- 1310nm 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)



Specifications subject to change without prior notice.
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Technical Specifications

Standard

IEEE 802.3ae 10GBASE-LX 10Gigabit Ethernet

Transceiver Type

XFP (Small Form Factor Pluggable)

Connector

Duplex LC

Data Rates

9.95Gbps to 10.7Gbps

Wavelength

1310nm

Cable Type

9/125um single-mode fiber

Maximum Cable Distance Coverage

10 km

Voltage

+3.3V and +5.0V support

Operating Temperature

-5° to 70 °C

Storage Temperature

-40° to 85 °C

Humidity

0% to 85% RH

Emission

- FCC Class B
- CE

Transceiver



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