



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

<b>DEM-421XT</b>	10GBASE-SR Fiber XFP Transceiver
<b>NDEM-421XT</b>	10GBASE-SR Fiber XFP Transceiver (China packaging)



Specifications subject to change without prior notice.  
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<b>France</b>	TEL: 33-1-30238688	FAX: 33-1-30238689
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<b>Sweden</b>	TEL: 46-(0)8564-61900	FAX: 46-(0)8564-61901
<b>Norway</b>	TEL: 47-99-300 100	FAX: 47-22-309085
<b>Denmark</b>	TEL: 45-43-969040	FAX: 45-43-424347
<b>Finland</b>	TEL: 358-9-2707-5080	FAX: 358-9-2707-5081
<b>Singapore</b>	TEL: 65-6774-6233	FAX: 65-6774-6322
<b>Australia</b>	TEL: 61-2-8899-1800	FAX: 61-2-8899-1868
<b>China</b>	TEL: 86-10-5863-5800	FAX: 86-10-5863-5799
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<b>Turkey</b>	TEL: 90-212-335-2553	FAX: 90-212-335-2500
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## Technical Specifications

## Transceiver

### 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



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