



## 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

<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.  
D-Link is a registered trademarks of D-Link Corporation/D-Link System Inc. All other trademarks belong to their proprietors.

<b>U.S.A</b>	TEL: 1-714-885-6000	FAX: 1-866-743-4905
<b>Canada</b>	TEL: 1-905-8295033	FAX: 1-905-8295223
<b>Europe</b>	TEL: 44-20-8731-5555	FAX: 44-20-8731-5511
<b>Germany</b>	TEL: 49-6196-77990	FAX: 49-6196-7799300
<b>France</b>	TEL: 33-1-30238688	FAX: 33-1-30238689
<b>Netherlands</b>	TEL: 31-10-282-1445	FAX: 31-10-282-1331
<b>Belgium</b>	TEL: 32(0)2-517-7111	FAX: 32(0)2-517-6500
<b>Italy</b>	TEL: 39-2-2900-0676	FAX: 39-2-2900-1723
<b>Iberia</b>	TEL: 34-93-4090770	FAX: 34-93-4910795
<b>Sweden</b>	TEL: 46-(0)8564-61900	FAX: 46-(0)8564-61901
<b>Norway</b>	TEL: 47-23-897189	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
<b>India</b>	TEL: 91-022-2652-6696	FAX: 91-022-2652-8914
<b>Middle East (Dubai)</b>	TEL: 9714-3916480	FAX: 9714-3908881
<b>Turkey</b>	TEL: 90-212-335-2553	FAX: 90-212-335-2500
<b>Egypt</b>	TEL: 202-414-4295	FAX: 202-415-6704
<b>Israel</b>	TEL: 972-9-9715700	FAX: 972-9-9715601
<b>Latin America</b>	TEL: 56-2-232-3185	FAX: 56-2-232-0923
<b>Brasil</b>	TEL: 55-11-55039320	FAX: 55-11-55039322
<b>South Africa</b>	TEL: 27-1266-52165	FAX: 27-1266-52186
<b>Russia</b>	TEL: 7-095-744-0099	FAX: 7-095-744-0099#350
<b>Taiwan</b>	TEL: 886-2-2910-2626	FAX: 886-2-2910-1515
<b>D-Link Corp.</b>	TEL: 886-2-2916-1600	FAX: 886-2-2914-6299