

## Product Highlights

### Covers Vast Distances

Support for maximum cable lengths of between 100 meters and 10 kilometers<sup>1</sup> is ideal for businesses spanning multiple premises

### High Performance

200 Mbps full duplex data transfer rate provides the network transmission speed that business environments demand

### Hot Pluggable

Easily switch out transceivers while the power is on, facilitating network maintenance and minimizing downtime



## DEM-200 Series

# Fast Ethernet SFP Transceivers

### Features

- Small Form factor Pluggable (SFP)
- Multi-Source Agreement (MSA) specification compliant
- IEEE 802.3u 100BASE-FX standard
- IEEE 802.3ah 100BASE-BX standard<sup>2</sup>
- Supports cable distances of up to 2 km / 20 km<sup>1</sup>
- Hot pluggable
- FDA, CDRH, TUV Laser Eye safety certified

D-Link's SFP transceivers provide a high-performance solution for serial optical data communication applications. They are hot-pluggable and Small Form Factor Pluggable (SFP) compliant with the Multi-Source Agreement (MSA) specification.

### Small Form-factor Pluggable Format

The Fast Ethernet SFP Transceivers use the Small Form-factor Pluggable (SFP) design. They provide the necessary signal amplification for data to be transmitted to the network cable from the port, and vice versa. The SFP form factor is advantageous because it is smaller than other form factors such as Xenpak, X2, and 10G XFP, ensuring lower costs, lower power disruption, and higher port density.

### Hot Pluggable

All D-Link transceivers are hot pluggable. You can connect a transceiver while the system is powered on without causing any issues, and easily swap one for another without having to reboot the switch each time. This permits modules to be added or removed without interrupting the network, facilitating maintenance and greatly reducing downtime.

### Superb Performance

D-Link's highly integrated transceivers offer low-jitter performance for extended optical links support without performance degradation. This high performance enables reliable data transfer in short, intermediate, and long distances for building, factory, campus and metropolitan networking applications. The transceivers have duplex LC connectors and provide IEEE 802.3u compliant link for up to 100 Mbps in the half duplex mode (or 200 Mbps full-duplex mode) transmission for fiber cable applications.

# DEM-200 Series Fast Ethernet SFP Transceivers

## Technical Specifications

	DEM-210	DEM-211	DEM-220T	DEM-220R
Transceiver Type	• SFP	• SFP	• SFP	• SFP
Fiber Media Support	• Single-Mode	• Multi-Mode	• Single-Mode	• Single-Mode
Speed	• 155 Mbps	• 155 Mbps	• 155 Mbps	• 155 Mbps
Distance	• 20 km	• 2 km	• 20 km	• 20 km
Compliant Standard	• IEEE802.3u 100BASE-FX	• IEEE802.3u 100BASE-FX	• IEEE 802.3ah 100BASE-BX-D	• IEEE802.3ah 100BASE-BX-U
Connector	• Duplex LC Connector	• Duplex LC Connector	• Simplex LC Connector	• Simplex LC Connector
Single/Bi Direction	• Single-direction	• Single-direction	• WDM bi-direction	• WDM bi-direction
Wavelength	• 1310 nm	• 1310 nm	• TX-1550/RX-1310 nm	• TX-1310/ RX-1550 nm
Cable Type	• Single-mode 9/125um fiber	• Multi-mode 50/125um or 62.5/125um fiber	• Single-mode 9/125um fiber	• Single-mode 9/125um fiber
Hot Pluggable	✓	✓	✓	✓
MSA Compliant	✓	✓	✓	✓
RoHS Compliant	✓	✓	✓	✓

## Order Information

Part Number	Description
DEM-210	100BASE-FX Single-Mode 20KM SFP Transceiver
DEM-211	100BASE-FX Multi-Mode 2KM SFP Transceiver
DEM-220T	100BASE-BX-D Single-Mode 20KM SFP Transceiver
DEM-220R	100BASE-BX-U Single-Mode 20KM SFP Transceiver

<sup>1</sup> Distance capacity dependent on model.

<sup>2</sup> DEM-220T and DEM-220R only

Updated 2014/03/31