

## Product Highlights

### Covers Vast Distances

Support for maximum cable lengths of between 550 meters and 10 kilometers<sup>1</sup> is ideal for businesses spanning multiple premises

### High Performance

Full duplex Gigabit data transfer rates provide the network transmission speeds that business environments demand

### Hot Pluggable

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



## DEM-300 Series

# Gigabit SFP Transceivers

### Features

- Small Form factor Pluggable (SFP)
- Multi-Source Agreement (MSA) specification compliant
- IEEE 802.3z standard
- Supports cable distances of up to 550 m / 1 km / 2 km / 10 km
- Hot pluggable
- FDA, CDRH, TUV Laser Eye safety certified
- TTL signal detect indicator
- Metal enclosure for lower EMI

D-Link Gigabit SFP Transceivers plug into Gigabit and Fast Ethernet switches via their GBIC slots. They allow for the expansion of Gigabit Ethernet networks by providing high-speed connections over a fibre-optic. The fibre-optic transceivers have standard duplex LC connectors to provide maximum compatibility. They are hot pluggable and Small Form Factor Pluggable (SFP) compliant with the Multi-Source Agreement (MSA) specification.

### Small Form Pluggable (SFP) Package

The Gigabit 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.

### Multiple Applications

Applications of the DEM-300 Series fibre transceivers include distributed multi-processing, Gigabit switch cascading, high-speed I/O file transfer, bus extension application, and channel extender/data storage. This versatility is invaluable for an expanding network, and helps the infrastructure grow with the business.

### 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.

# DEM-300 Series Gigabit SFP Transceivers

Technical Specifications			
	DEM-310GT	DEM-311GT	DEM-312GT2
Transceiver Type	• SFP	• SFP	• SFP
Fiber Media Support	• Single-Mode	• Multi-Mode	• Multi-Mode
Speed	• 1.25 Gbps	• 1 Gbps	• 1Gbps
Distance	• 10 km	• 550 m	• 62.5/125 um fiber: 1 km • 50/125 um fiber: 2 km
Compliant Standard	• IEEE802.3z 1000BASE-LX	• IEEE802.3z 1000BASE-SX	• IEEE802.3z 1000BASE-SX
Connector	• Duplex LC connector	• Duplex LC connector	• Duplex LC connector
Single/Bi Direction	• Single-direction	• Single-direction	• Single-direction
Wavelength	• 1310 nm	• 850 nm	• 1310 nm
Cable Type	• Single-mode 9 um fiber	• Multi-mode 50 um or 62.5 um fiber	• Multi-mode 50/125um or 62.5/125um fiber
Power Supply	• 3.3V	• 3.3V	• 3.3V
Hot Pluggable	✓	✓	✓
MSA Compliant	✓	✓	✓
RoHS Compliant	✓	✓	✓



For more information: [www.dlink.com](http://www.dlink.com)

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