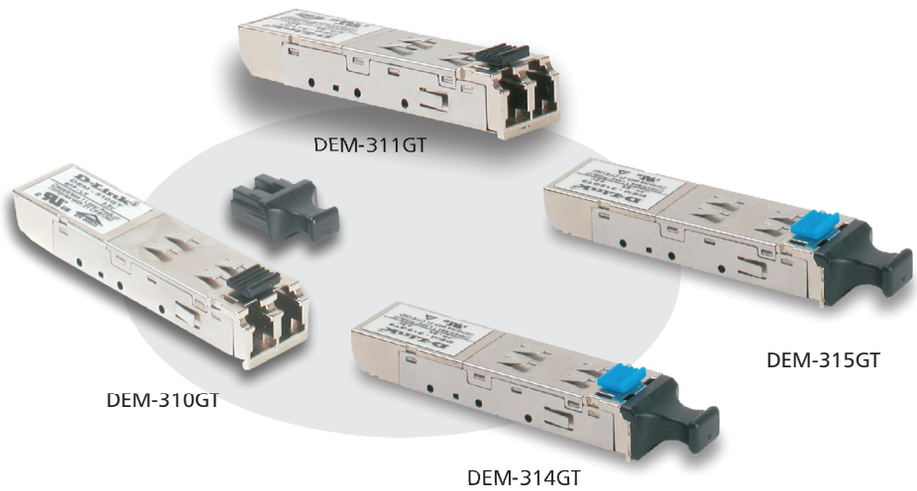
D-Link®

Transceiver



SFP Transceivers

D-Link Gigabit Interface Converters are transceivers that connect Gigabit switches and 10/100Mbps switches with GBIC slots to Gigabit Ethernet networks, providing high-speed connections over the fiber-optic or twisted-pair cable. The fiber-optic transceivers have standard duplex LC connectors for connection compatibility.

Small Form Pluggable (SFP) Package

These transceivers use the industry-standard Small Form Pluggable (SFP) package. They slide into the mini GBIC slot of the Gigabit device. They provide the necessary signal amplification for data to be transmitted to the network cable from the port, and vice versa, for the port to receive data from the network cable.

Hot Swappable

All D-Link Mini GBIC transceivers are hot-swappable. You can remove or replace the GBIC transceiver with the system powered on. This permits modules and mini-GBICs to be added or swapped without interrupting the network.

Applications

Applications of the fiber transceivers include distributed multi-processing, Gigabit switch cascading, high-speed I/O file transfer, bus extension application, and channel extender/data storage.

Single-mode Fiber Transceiver (10 km)

DEM-310GT

- 1000BASE-LX port (IEEE 802.3z standard)
- Duplex LC connector
- Full duplex operation
- 802.3x flow control support
- Fiber type: 9um single-mode fiber up to 10 km
- Wave length: 1310nm
- Power support: 3.3V
- Power budget: 10.5dB
- Hot pluggable
- Class 1 laser product complies with EN 60825-1
- TTL signal detect indicator
- Metal enclosure for lower EMI

Multi-mode Fiber Transceiver (550 m)

DEM-311GT

- 1000BASE-SX port (IEEE 802.3z standard)
- Duplex LC connector
- Full duplex operation
- 802.3x flow control support
- Fiber type: 50um or 62.5um multi-mode fiber up to 550 m
- Wave length: 850nm
- Power support: 3.3V
- Hot pluggable
- Class 1 laser product complies with EN 60825-1
- TTL signal detect indicator
- Metal enclosure for lower EMI

Product Description

Single-mode Fiber Transceiver (50 km)

DEM-314GT

- 1000BASE-LX port (IEEE 802.3z standard)
- Duplex LC connector
- Very low jitter
- Full duplex operation
- 802.3x flow control support
- Fiber type: 9/125um single-mode fiber up to 50 km
- Wave length: 1310nm
- Power supply: 3.3V
- Power budget: 22dB
- Hot pluggable
- Class 1 laser product complies with EN 60825-1
- TTL signal detect indicator
- Metal enclosure for lower EMI

Single-mode Fiber Transceiver (80 km)

DEM-315GT

- 1000BASE-LX port (IEEE 802.3z standard)
- Duplex LC connector
- Very low jitter
- Full duplex operation
- 802.3x flow control support
- Fiber type: 9/125um single-mode fiber up to 80 km
- Wave length: 1550nm
- Power supply: 3.3V
- Power budget: 22dB
- Low power dissipation <700mW
- Hot pluggable
- Class 1 laser product complies with EN 60825-1
- TTL signal detect indicator
- Metal enclosure for lower EMI

Physical & Environmental

Operating Temperature
0° to 50 °C

Storage Temperature
-25° to 55 °C

Humidity
5% to 95% non-condensing

Ordering Information

SFP Transceiver

DEM-310GT	For 1000BASE-LX, single-mode fiber, 10 km max., 3.3V
DEM-311GT	For 1000BASE-SX, multi-mode fiber, 550 m max., 3.3V
DEM-314GT	For 1000BASE-LX, single-mode fiber, 50 km max., 3.3V
DEM-315GT	For 1000BASE-LX, single-mode fiber, 80 km max., 3.3V