



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

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

Transceiver

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



Specifications subject to change without prior notice.
D-Link is a registered trademark of D-Link Corporation/D-Link System Inc. All other trademarks belong to their proprietors.

U.S.A	TEL: 1-800-326-1688	FAX: 1-866-743-4905
Canada	TEL: 1-905-8295033	FAX: 1-905-8295223
Europe (U. K.)	TEL: 44-20-8731-5555	FAX: 44-20-8731-5511
Germany	TEL: 49-6196-77990	FAX: 49-6196-7799300
France	TEL: 33-1-30238688	FAX: 33-1-30238689
Netherlands	TEL: 31-10-282-1445	FAX: 31-10-282-1331
Belgium	TEL: 32(0)2-517-7111	FAX: 32(0)2-517-6500
Italy	TEL: 39-02-2900-0676	FAX: 39-02-2900-1723
Sweden	TEL: 46-(0)8564-61900	FAX: 46-(0)8564-61901
Denmark	TEL: 45-43-969040	FAX: 45-43-424347
Norway	TEL: 47-99-300-100	FAX: 47-22-309580
Finland	TEL: 358-9-2707 5080	FAX: 358-9-2707-5081
Spain	TEL: 34-93-4090770	FAX: 34-93-4910795
Portugal	TEL: 351-21-8688493	
Czech Republic	TEL: 420-(603)-276-589	
Switzerland	TEL: 41-(0)-1-832-11-00	FAX: 41(0)-1-832-11-01
Greece	TEL: 30-210-9914 512	FAX: 30-210-9916902
Luxemburg	TEL: 32-(0)2-517-7111	FAX: 32-(0)2-517-6500
Poland	TEL: 48-(0)-22-583-92-75	FAX: 48-(0)-22-583-92-76
Hungary	TEL: 36-(0)-1-461-30-00	FAX: 36-(0)-1-461-30-09
Singapore	TEL: 65-6774-6233	FAX: 65-6774-6322
Australia	TEL: 61-2-8899-1800	FAX: 61-2-8899-1868
India	TEL: 91-022-26526696	FAX: 91-022-26528914
Middle East (Dubai)	TEL: 971-4-3916480	FAX: 971-4-3908881
Turkey	TEL: 90-212-289-56-59	FAX: 90-212-289-76-06
Egypt	TEL: 202-414-4295	FAX: 202-415-6704
Israel	TEL: 972-9-9715700	FAX: 972-9-9715601
LatinAmerica	TEL: 56-2-232-3185	FAX: 56-2-232-0923
Brazil	TEL: 55-11-218-59300	FAX: 55-11-218-59322
South Africa	TEL: 27-12-665-2165	FAX: 27-12-665-2186
Russia	TEL: 7-095-744-0099	FAX: 7-095-744-0099 #350
China	TEL: 86-10-58635800	FAX: 86-10-58635799
Taiwan	TEL: 886-2-2910-2626	FAX: 886-2-2910-1515
Headquarters	TEL: 886-2-2916-1600	FAX: 886-2-2914-6299