

D-Link DEM-310GT Datasheet



D-Link DEM-310GT 1000BASE-LX Single-Mode 10 Km LC SFP Transceiver

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High-performance 1310 nm single-mode SFP transceiver.

Features

- Maximum distance of up to 10 km
- Hot-pluggable
- Single-mode fiber
- 1000BASE-LX (IEEE 802.3z standard)
- Duplex LC connector
- MSA, RoHS-compliant

High-Speed Network Transmission for Business Environments

The DEM-310GT is a high-performance 1310 nm single-mode SFP transceiver supporting full-duplex Gigabit speeds for

distances of up to 10 km. The unit features a metal housing to reduce EMI and to increase durability.

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.

Multiple Applications

Applications of the DEM-300 Series fiber 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.

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.

Specifications

- EMI: FCC Class B, ICES-003 Class B, CE Class B, VCCI Class B

- Safety: FDA/CDRH, TUV, cUL
- Hot Pluggable: Yes
- RoHS Compliant: Yes
- MSA Compliant: Yes
- Hardware version: F1
- Connector: Duplex LC Connector
- Single/bi Direction: single-direction
- Wavelength: 1310 nm
- Output Optical Power (TX Optical Power): MAX.: -3 dBm
- Interface: MIN.: - 21 dBm
- Input Optical Power (RX Optical Power): MAX.: - 3 dBm
- Cable Type: - single-mode 9/125um fiber: reach 10km - multi-mode 50/125um fiber: reach 2km - multi-mode 62.5/125um fiber: reach 550m
- Sensitivity: -21 dBm
- Power: 3.3V
- Max Input Current: 300mA
- Power Budget (MIN Power Budget): 11.5 dB
- MAX Power Budget: 18dB
- Heat Generated: 1.78kj/h
- Operation Temperature: 0-70°C
- Storage Temperature: -40-85°C
- Humidity (Operating): 10% ~ 90%
- Dimension (W x D x H): 13.4mm x 56.4mm x 10.35mm
- Humidity (Storage): 5% ~ 90%
- Weight: 16.5g
- Speed: 1Gbps
- Compliant Standard: IEEE-802.3z 1000BASE-LX
- Transceiver Type: SFP
- Fiber Channel FC-PI standard: 100-SM-LC-L
- Fiber Media support: Single-Mode
- Distance: 10KM

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