

# D-Link DEM-330T Datasheet



D-Link DEM-330T Gigabit WDM (BiDi) Single-Mode TX 1550nm, RX 1310nm 10 Km SFP Transceiver

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D-Link Gigabit SFP transceivers allow for the expansion of Gigabit Ethernet networks by providing high-speed connections over a fiber-optic or twisted-pair cable. The fiber-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-Factor 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 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.

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 allows modules to be added or removed without interrupting the network, facilitating maintenance and greatly reducing downtime.

## Features

- Small Form-Factor Pluggable (SFP)
- Compliant with Multi-Source Agreement (MSA)
- Hot-pluggable
- Wavelength TX 1550 nm, RX 1310 nm
- FDA, CDRH, TUV Laser Eye safety certified
- TTL signal detect indicator
- Metal enclosure for lower EMI
- Compliant with IEEE 802.3ah

## Specifications

- Hot Pluggable: Yes
- MSA Compliant: Yes
- RoHS Compliant: Yes
- Compliant Standard: IEEE802.3z 1000BASE-BX-D
- Transceiver Type: SFP
- Fiber Channel FC-PI standard: 100-SM-LC-L
- Fiber Media support: Single-Mode
- Distance: 10KM
- Speed: 1.25Gbps
- connector: Simplex LC Connector
- single/bi Direction: WDM Bi-direction
- Wavelength: TX: 1550nm RX: 1310nm
- Output Optical Power (TX Optical Power): MAX.: -3dBm
- Interface: MIN.: -21 dBm
- Input Optical Power (RX Optical Power): MAX.: -3 dBm
- Sensitivity: -21dBm

- Cable Type: single-mode 9/125um fiber
- Power: 3.3V
- Max Input Current: 300 mA
- Power Budget (MIN Power Budget): 11dB
- MAX Power Budget: 18dB
- MTBF (hours): 880,000
- Heat Generated: 1.782kJ/h
- Operation Temperature: 0~70
- Storage Temperature: -40~85
- Humidity (Storage): 5~95
- Humidity (Operating): 5~95
- Dimension ( W x D x H ): 13.5\*56.6\*8.5
- Weight: 21+/-1g

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