

# D-Link DEM-432XT Datasheet



D-Link DEM-432XT 10GBASE-LR SFP+ Transceiver (10 Km)

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## DEM-432XT

Hot-swappable SFP+ transceivers that plug into SFP+ slots on switches and support 10G Ethernet.

### Features

- Enhanced Small Form-Pluggable (SFP+) form factor
- Hot pluggable
- Support 10G Ethernet
- RoHS Compliant
- Compliant with MSA (Multiple Source Agreement)
- Compliant with IEEE802.3ae and 802.3aq standards

Better 10G Ethernet Connectivity for Enterprise Deployments

D-Link's 10G SFP+ Module series are hot-swappable SFP+ transceivers that plug into SFP+ slots on switches and support

10G Ethernet. The D-Link 10GBASE SFP+ Module Series transceivers offer customers a wide variety of 10G Ethernet connectivity options for data centers, enterprise wiring closets, and service provider transport applications.

### Enhanced Small Form-factor Pluggable Format

The transceivers use the Enhanced Small Form-factor Pluggable format (SFP+). The SFP+ form factor is smaller than other form factors such as Xenpak, X2, and 10G XFP, ensuring lower costs, lower power disruption, and higher port density. 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-Pluggable

All D-Link transceivers are hot-pluggable. You can connect a transceiver while the system is powered on without causing any problems. This allows modules to be added or removed without interrupting the network.

### 10G Ethernet speeds

The transceivers all support 10G Ethernet, which results in very fast data transmissions of up to 10 Gbit/s. This is 10 times faster than Gigabit Ethernet and enables the switch to handle faster and higher data transmissions, making it very suitable for business needs.

### Specifications

- Power: 3.3V

- Max Input Current: 3.3V: 300mA
- Power Budget (MIN Power Budget): 4.1dB
- MAX Power Budget: 13.1dB
- Heat Generated: 3.6KJ/H
- MTBF (hours): 4,650,000
- Operation Temperature: 0° ~ 70°C
- Storage Temperature: -40° ~ 85°C
- Humidity (Operating): 5% ~ 85%
- Humidity (Storage): 5% ~ 95%
- Dimension ( W x D x H ): Comply with SFF8432 14.8 x 56.5 x 11.85 mm
- Weight: 19.5g
- EMI: CE, FCC, VCCI
- Safety: UL, TUV, CDRH
- Hardware version: A1
- Hot Pluggable: Yes
- MSA Compliant: Yes
- RoHS Compliant: Yes
- Compliant Standard: IEEE-802.3ae 10GBASE-LR
- Transceiver Type: SFP+
- Fiber Channel FC-PI standard: 1200-SM-LL-L
- Fiber Media support: Single-Mode
- Distance: 10KM
- Speed: 10Gbps
- Input Optical Power (RX Optical Power): MAX.: +0.5dBm
- Interface: MIN.: -12.6 dBm
- Sensitivity: -12.6 dBm
- Cable Type: single-mode 9/125um fiber
- connector: Duplex LC Connector
- single/bi Direction: single-direction
- Wavelength: 1310nm
- Output Optical Power (TX Optical Power): MAX.: +0.5 dBm

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