D-Link DEM-431XT Datasheet
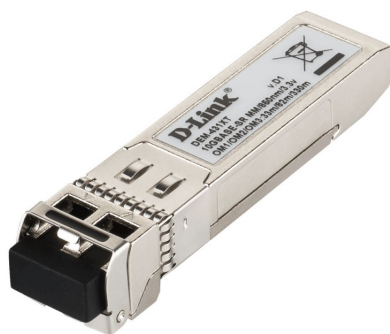

D-Link DEM-431XT 10GBASE-SR SFP+ Multi-Mode Transceiver (300m)

DEM-431XT

10GBASE-SR SFP+ Multi-Mode Transceiver (300m)

DEM-431XT

High-performance 850nm Multi-Mode SFP+ transceiver.

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.

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.

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.

Specifications

- Hot Pluggable: Yes

- MSA Compliant: Yes
- RoHS Compliant: Yes
- Compliant Standard: IEEE-802.3ae 10GBASE-SR
- Transceiver Type: SFP+
- Fiber Channel FC-PI standard: 1200-Mx-SN-I
- Fiber Media support: Multi-Mode
- Distance: 62.5µm, 160 MHz-km: 26m 62.5µm, OM1 200 MHz-km: 33m 50µm, 400 MHz-km: 66m 50µm, OM2 500 MHz-km: 82m 50µm, OM3 2000 MHz-km: 300m
- Speed: 10Gbps
- Connector: Duplex LC Connector
- Single/bi Direction: single-direction
- Wavelength: 850 nm
- Output Optical Power (TX Optical Power): MAX:-1 dBm
- Interface: MIN.: -11.1 dBm
- Input Optical Power (RX Optical Power): MAX.: -1 dBm
- Sensitivity: -11.1 dBm
- Cable Type: multi-mode 50/125um or 62.5/125um fiber
- Max Input Current: 3.3V: 300mA
- Power: 3.3V
- Power Budget (MIN Power Budget): 4.6dB
- MAX Power Budget: 10.1dB
- Heat Generated: 3.6KJ/H
- MTBF (hours): 3,960,000
- 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: 18g
- EMI: CE, FCC, VCCI
- Safety: UL, TUV, CDRH
- Hardware version: A1

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