

Product Highlights

Blazing-fast Performance

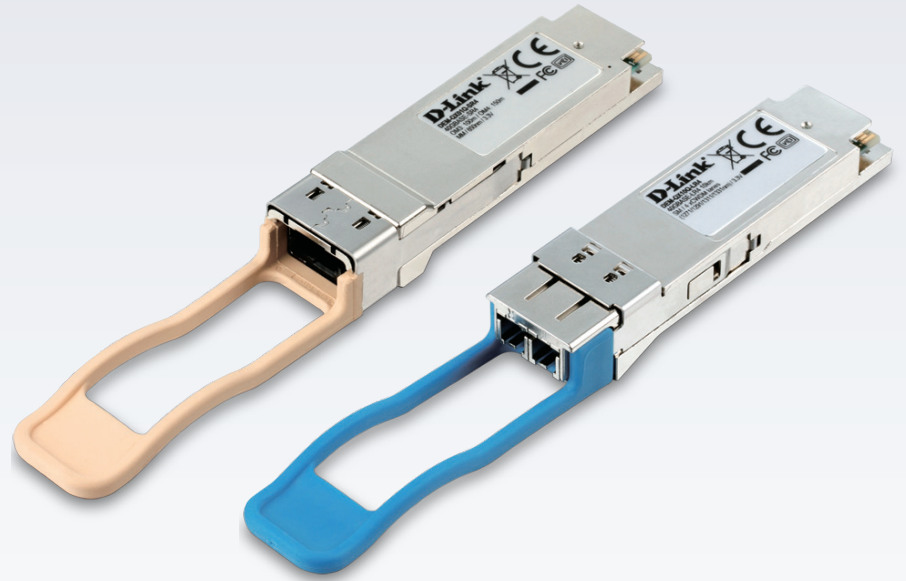
Support for 40G Ethernet provides the network transmission speed that business environments demand

Covers Vast Distances

Support for maximum cable lengths of between 100 meters and 10 kilometers¹ is ideal for businesses spanning multiple premises

Real Time Monitoring

Digital Diagnostics Monitoring (DDM) allows easy monitoring of power, temperature, and voltage, so that connection issues can be swiftly addressed



DEM-QX Series

40G QSFP+ Transceivers

Features

- Quad Small Form-Pluggable (QSFP+) form factor
- Hot pluggable
- Supports 40G Ethernet
- Digital Diagnostics Monitoring (DDM)
- RoHS compliant
- Multiple Source Agreement (MSA) compliant
- IEEE 802.3ba 40GBASE QSFP+ compliant

D-Link's 40G QSFP+ Module series are hot-swappable QSFP+ transceivers that plug into QSFP+ slots on switches and support 40G Ethernet. The D-Link 40GBASE QSFP+ Module Series transceivers offer customers a wide variety of 40G Ethernet connectivity options for data centers, enterprise wiring closets, and service provider transport applications.

Quad Small Form-factor Pluggable Plus Format

The transceivers use the Quad Small Form-factor Pluggable Plus format (QSFP+) connectors, which integrate four transmitting and four receiving channels. QSFP+ supports up to 10.5 Gb/s per channel for applications such as 40G Ethernet.

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.

40G Ethernet speeds

The transceivers all support 40G Ethernet, which results in very fast data transmissions of up to 40 Gbit/s. This is 40 times faster than Gigabit Ethernet and enables the switch to handle faster and higher data transmissions, making it very suitable for business needs.

Digital Diagnostics Monitoring (DDM)

All 40G QSFP+ modules feature DDM real time monitoring of critical parameters, including transmitted and received power, temperature, and voltage. This allows for convenient monitoring of the module's fiber connection and ensures that network connection issues are detected early.

DEM-QX Series 40G QSFP+ Transceivers

Technical Specifications		
	DEM-QX01Q-SR4	DEM-QX10Q-LR4
Transceiver Type	• QSFP+	• QSFP+
Fiber Media support	• Multi-mode	• Single-mode
Distance Capacity	• OM3 MMF: 100 m • OM4 MMF: 150 m	• 10 km
Compliant Standard	• IEEE 802.3ba	• IEEE 802.3ba
Connector	• MPO	• Duplex LC connector
Single/Bi Direction	• Single direction	• Single direction
Wavelength	• 850 nm	• 1271 nm, 1291 nm, 1311 nm, 1331 nm
Cable Type	• Single 1x12 MPO receptacle (female) with OM3 or OM4 MMF	• Single mode 9/125 um fiber cable
Power	• 3.3V	• 3.3V
Hot Pluggable	✓	✓
MSA Compliant	✓	✓
RoHS Compliant	✓	✓
DDM (Digital Diagnostics Monitoring)	✓	✓
Order Information		
Part Number	Description	
DEM-QX01Q-SR4	40G BASE-SR4 Multi-mode OM3:100M / OM4:150M QSFP+ Transceiver	
DEM-QX10Q-LR4	40G BASE-LR4 Single-mode, 10KM QSFP+ Transceiver	

¹ Distance capacity dependent on model.

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