

Product Highlights

Better Performance

High speeds of up to 40 Gbps and lower latency result in faster transmissions than other types of cables

Cost-effective Solution

QSFP+ connector on cable replaces four standard SFP+ cable assemblies, ensuring higher port density and cost savings

Energy Efficiency

Lower power consumption and EMI emissions means savings on energy usage and expenses, and less electronic interference



QSFP+ Direct Attach Cable Series

40G Passive QSFP+ Twinaxial Direct Attach Cable

Features

Connectivity

- QSFP+ (Quad Enhanced Small Form-factor Pluggable)
- 40 Gbps Gigabit Ethernet
- Three different models
 - DEM-CB100QXS: 1 meter
 - DEM-CB300QXS: 3 meters
 - DEM-CB100QXS-4XS (QSFP+ to four 10G SFP+ cable): 1 meter
- Fully Compliant with the following standards:
 - SFP MSA (Multi-Source Agreement)
 - EIA 364
 - UL 94
 - SFF-8436
 - SFF-8431
 - EIA-364-1000.01

The 40G Passive QSFP+ Twinaxial Direct Attach Cable is a high performance, high bandwidth and cost-effective connection solution that supports 40G Gigabit Ethernet. The 40G Passive QSFP+ Twinaxial Direct Attach Cable is designed to support high-density connections for switches with 40G interface, much faster than SFP+. There are three cable models, including the DEM-CB100QXS (one meter) and the DEM-CB300QXS (three meter). The DEM-CB100QXS-4XS QSFP+ to 4X SFP+ one-meter cable features a QSFP+ connector on one end, and four SFP+ connectors on the other end, allowing it to connect to up to four 10G servers. The 40G Passive QSFP+ Twinaxial Direct Attach Cable is certified to be compatible with D-Link products to provide you best performance and reliability.

Ideal for High-Bandwidth Operations

The 40G Passive QSFP+ Twinaxial Direct Attach Cable supports speeds of up to 40 Gbps, while having lower crosstalk and power consumption than other cables. This makes it an optimal solution for handling high bandwidth transmission within short distances such as within a rack or between racks inside energy-efficient data centers.

Quad Small Form-factor Pluggable Plus Format

The D-Link 40G Passive QSFP+ Twinaxial Direct Attach Cable uses Quad Small Form-factor Pluggable Plus format (QSFP+) connectors, which integrate four transmitting and four receiving channels. The QSFP+ cable assemblies can replace four standard SFP+ cable assemblies, resulting in higher port density, cost efficiency, and a reduction in power savings compared to standard SFP+.

Save on Costs

The D-Link 40G Passive QSFP+ Twinaxial Direct Attach Cable features QSFP+ connectors on both ends, thus eliminating the need for expensive QSFP+ transceivers. This makes it more cost-effective than fiber cables which must use QSFP+ transceivers.

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Technical Specifications

General

Device Rate	• 40 Gbps Gigabit Ethernet
Connector Type	• QSFP+ Cable Assembly
Wire AWG	• 30 AWG

Physical

Minimum Cable Bend Radius	• DEM-CB100QXS, DEM-CB300QXS: 32 mm (1.26 inches) • DEM-CB100QXS-4XS: 23.5 mm (0.93 inches)
Cable Characteristic Impedance	• 100 Ohms
Voltage	• 30 V AC
Current	• 0.5 A
Temperature	• Operating: -40 to 85 °C (-40 to 185 °F)
Certifications	• SFP MSA (Multi-Source Agreement) • EIA 364 • EIA-364-1000.01 • UL 94 • SFF-8436 • SFF-8431

Order Information

Model Number	Description
DEM-CB100QXS	1 meter 40G Passive QSFP+ Twinaxial Direct Attach Cable
DEM-CB300QXS	3 meter 40G Passive QSFP+ Twinaxial Direct Attach Cable
DEM-CB100QXS-4XS	1 meter 40G Passive QSFP+ to 4X 10G SFP+ Twinaxial Direct Attach Cable

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