QSFP+ to SFP+ Breakout Cables

The Solarflare® SOLR-QSFP2SFP QSFP+ to SFP+ copper breakout direct-attach cables (DAC) are compatible with the Solarflare Flareon™ Ultra SFN7142Q server adapter. The passive copper cables allow customers to use the SFN7142Q dual-port QSFP+ 40GbE server adapter as a quad-port SFP+ 10GbE server adapter.

SOLR-QSFP2SFP QSFP+ to SFP+ copper breakout direct-attach cables (DAC) are high-performance direct-attach assemblies that allows users to connect Solarflare SFN7142Q QSFP+ 40GbE ports configured to work as dual SFP+ ports to 10GbE devices. They are compliant to the QSFP+ MSA SFF-8436 and IBTA Volume 2 Revision 1.3, and SFP+ MSA SFF-8431, SFF-8432, and SFF-8472 specifications.

The breakout cables offer a cost-effective option to support flexibility in high-speed data center applications. They are available in lengths of 1 meter and 3 meters.

Compatibility and Performance

The SOLR-QSFP2SFP-1M and SOLR-QSFP2SFP-3M breakout cables use high-density QSFP+ and SFF-8431 compliant SFP+ connectors, with ultra low crosstalk connectors for enhanced performance and compatibility. For superior handling and performance, the cable assemblies use a positive retention pull-release latch system.

Superior Customer Experience

For added convenience, Solarflare’s QSFP+ to SFP+ breakout cables can now be purchased together with the SFN7142Q server adapter for simultaneous delivery. These passive copper DAC cables also facilitate those who are ordering a complete server adapter solution in a single transaction.

A Complete Solution

The SOLR-QSFP2SFP-1M and SOLR-QSFP2SFP-3M QSFP+ to SFP+ breakout cables enhance Solarflare’s SFN7142Q server adapter by ensuring delivery of a complete, well-tested and highly-scalable 40GbE and 10GbE performance solution. Combined with the SOLR-QSFP2SFP breakout cables, the Solarflare SFN7142Q server adapters offer exceptional value for data centers, enterprise networks, high-performance computing (HPC), cloud, big data, grid, and virtualization applications.

Regulatory Compliance

The SOLR-QSFP2SFP-1M and SOLR-QSFP2SFP-3M breakout cables are designed for China E, RoHS, and lead-free green features and compliance.
Specifications

Product Numbers
SOLR-QSFP2SFP-1M, -3M

Compatible Products
SFN7142Q

Standards & Compliance
QSFP+ MSA SFF-8436
IBTA Volume 2 Revision 1.3 specifications
SFP+ MSA SFF-8431
SFP+ MSA SFF-8432
SFP+ MSA SFF-8472
China E (RoHS) Compliant

Flammability Rating
(Plastics)
UL 94

Operating Range
0° to 70° C

Insertion Force
QSFP+: 40N Max.
SFP+: 30N Max.

Withdrawal Force
QSFP+: 30N Max.
SFP+: 20N Max.

Retention Force
90N Min.

Order Information
SOLR-QSFP2SFP-1M
(1 meter)
SOLR-QSFP2SFP-3M
(3 meters)

Advanced Features

Product
QSFP+ to SFP+ Copper Breakout DAC Cables

Application/Usage
Data Networking

Plug
Latch
Positive Latching w/Pull Tab

Cable
Impedence
100 ohms (typical)

Construction
Twinaxial

Jacket Type
PVC