



The bridge to possible

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Cisco 4 x SFP10G to QSFP Reverse Adapter

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The Cisco® 4 x SFP10G to QSFP Reverse Adapter (4SQRA) offers Quad Small Form Factor Pluggable Plus (QSFP+) connectivity for 10 Gigabit Ethernet Small Form-Factor Pluggable Plus (SFP+)–only platforms. It allows smooth and cost-effective migration to 40 Gigabit Ethernet by providing an option to use QSFP+ modules with empty SFP+ ports when the other end of the network is running at 40 Gigabit Ethernet.

Features and benefits

The Cisco 4SQRA Reverse Adapter (Figure 1 and Figure 2) converts four SFP+ ports into a QSFP+ port. With this adapter, customers have the flexibility to use a QSFP+ module to connect to a 40 Gigabit Ethernet port on the other end of the link. This flexibility allows a cost-effective transition to 40 Gigabit Ethernet by maximizing the use of existing or new 10 Gigabit Ethernet SFP+ platforms. This reverse adapter supports the QSFP+ optics listed in Table 1.



Figure 1.
Cisco 4SQRA Reverse Adapter and QSFP+ Module

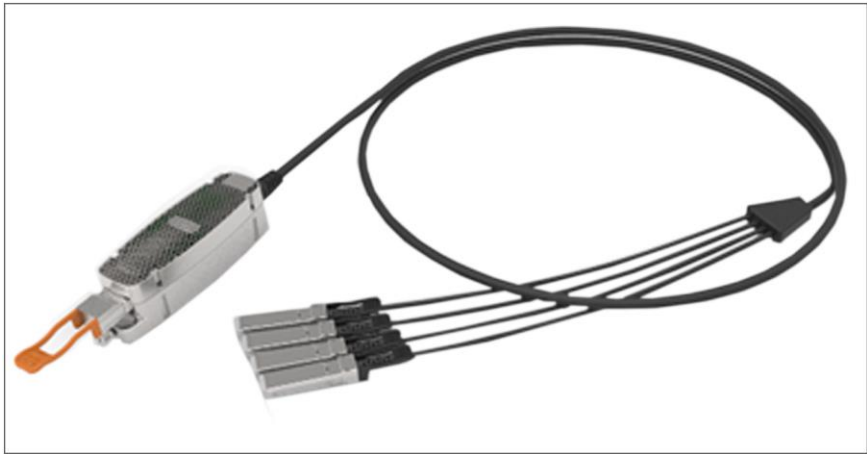


Figure 2.
Cisco 4SQRA Reverse Adapter with QSFP+ Module Plugged In

Table 1. Cisco QSFP+ Transceiver Modules

Product Name	Product Description
QSFP-H40G-AOC15M	Cisco 40GBase-AOC QSFP direct-attach active optical cable, multiple lengths
QSFP-40G-SR-BD	Cisco 40GBASE-SR bidirectional QSFP module for duplex MMF
QSFP-40G-LR4	Cisco 40GBASE-LR4 QSFP module for SMF with OTU-3 data-rate support
QSFP-40G-CSR4	Cisco 40GBASE-CSR4 QSFP Module for MMF
QSFP-40G-SR4	Cisco 40GBASE-SR4 QSFP Module for MMF
QSFP-H40G-ACU7M	Cisco 40GBASE-CR4 QSFP direct-attach copper cable, 7-meter, active
QSFP-H40G-ACU10M	Cisco 40GBASE-CR4 QSFP direct-attach copper cable, 10-meter, active
QSFP-H40G-AOC1M	Cisco 40GBase-AOC QSFP direct-attach Active Optical Cable, 1-meter
QSFP-H40G-AOC2M	Cisco 40GBase-AOC QSFP direct-attach Active Optical Cable, 2-meter
QSFP-H40G-AOC3M	Cisco 40GBase-AOC QSFP direct-attach Active Optical Cable, 3-meter
QSFP-H40G-AOC5M	Cisco 40GBase-AOC QSFP direct-attach Active Optical Cable, 5-meter
QSFP-H40G-AOC7M	Cisco 40GBase-AOC QSFP direct-attach Active Optical Cable, 7-meter
QSFP-H40G-AOC10M	Cisco 40GBase-AOC QSFP direct-attach Active Optical Cable, 10-meter
QSFP-H40G-AOC15M	Cisco 40GBase-AOC QSFP direct-attach Active Optical Cable, 15-meter

Mounting accessories

The 4SQRA Reverse Adapter can be attached to a bracket (Figure 3) or mounted on a tray (Figure 4) in groups of eight or less. The 2RU tray features front-facing slots for cable management and a pull-out drawer for easy access. Both the tray and bracket are designed for mounting on a standard 19-inch rack. The bracket includes an outboard extender to alleviate mechanical interference with the rack if necessary.



Figure 3.
Cisco 4SQRA on Mounting Bracket with Extender



Figure 4.
Eight Cisco 4SQRAs on Pull-Out Tray

Compatible switch models and QSFP+ modules

The list of switch models supporting the Cisco 4SQRA Reverse Adapter is available in the 10 Gigabit Ethernet compatibility matrix at

http://www.cisco.com/c/en/us/td/docs/interfaces_modules/transceiver_modules/compatibility/matrix/10GE_Tx_Matrix.html.

A list of Cisco QSFP+ transceiver modules that can operate in the 4SQRA is provided in Table 1.

Physical specifications

Table 2 lists physical specifications.

Table 2. Physical Specifications

Product Name	Maximum Dimensions (L x W x H)	Weight
CVR-4SFP10G-QSFP	Housing: 150 x 38 x 38 mm; total length including cable: 1.75m	2 kg
CVR-TRAY-8	586.7 x 441 x 88.9 mm	10 kg
CVR-BRKT-1	147 x 86 x 35 mm	1 kg

Warranty

- Standard warranty: 1 year

Cisco environmental sustainability

Information about Cisco's environmental sustainability policies and initiatives for our products, solutions, operations, and extended operations or supply chain is provided in the "Environment Sustainability" section of Cisco's [Corporate Social Responsibility](#) (CSR) Report.

Reference links to information about key environmental sustainability topics (mentioned in the "Environment Sustainability" section of the CSR Report) are provided in the following table:

Sustainability topic	Reference
Information on product material content laws and regulations	Materials
Information on electronic waste laws and regulations, including products, batteries, and packaging	WEEE compliance

Cisco makes the packaging data available for informational purposes only. It may not reflect the most current legal developments, and Cisco does not represent, warrant, or guarantee that it is complete, accurate, or up to date. This information is subject to change without notice.

Ordering information

To place an order, visit the [Cisco Ordering homepage](#) and use the information in Table 3, which provides the ordering information for Cisco 4SQRA Reverse Adapters and spares.

Table 3. Ordering Information

Product Name	Product Description
CVR-4SFP10G-QSFP	Cisco 4SQRA reverse adapter
CVR-4SFP10G-QSFP=	Cisco 4SQRA reverse adapter (spare)
CVR-TRAY-8	Tray for CVR-4SFP10G-QSFP
CVR-TRAY-8=	Tray for CVR-4SFP10G-QSFP (spare)
CVR-BRKT-1	Mounting bracket for one CVR-4SFP10G-QSFP
CVR-BRKT-1=	Mounting bracket for one CVR-4SFP10G-QSFP (spare)

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For more information

For more information about the Cisco 4 x SFP10G to QSFP Reverse Adapter, contact your local sales representative.

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Asia Pacific Headquarters
Cisco Systems (USA) Pte. Ltd.
Singapore

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