

# Cisco 4 x SFP10G to QSFP Reverse Adapter

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.

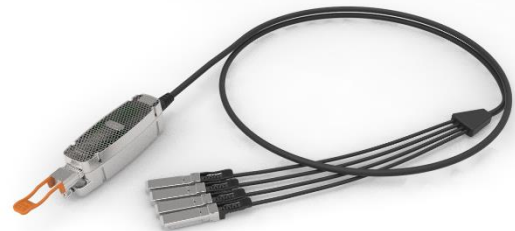
## Features and Benefits

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
<b>QSFP-H40G-AOC15M</b>	Cisco 40GBASE-AOC QSFP direct-attach active optical cable, multiple lengths
<b>QSFP-40G-SR-BD</b>	Cisco 40GBASE-SR bidirectional QSFP module for duplex MMF
<b>QSFP-40G-LR4</b>	Cisco 40GBASE-LR4 QSFP module for SMF with OTU-3 data-rate support
<b>QSFP-40G-CSR4</b>	Cisco 40GBASE-CSR4 QSFP Module for MMF
<b>QSFP-40G-SR4</b>	Cisco 40GBASE-SR4 QSFP Module for MMF
<b>QSFP-H40G-ACU7M</b>	Cisco 40GBASE-CR4 QSFP direct-attach copper cable, 7-meter, active
<b>QSFP-H40G-ACU10M</b>	Cisco 40GBASE-CR4 QSFP direct-attach copper cable, 10-meter, active
<b>QSFP-H40G-AOC1M</b>	Cisco 40GBASE-AOC QSFP direct-attach Active Optical Cable, 1-meter
<b>QSFP-H40G-AOC2M</b>	Cisco 40GBASE-AOC QSFP direct-attach Active Optical Cable, 2-meter

Product Name	Product Description
<b>QSFP-H40G-AOC3M</b>	Cisco 40GBase-AOC QSFP direct-attach Active Optical Cable, 3-meter
<b>QSFP-H40G-AOC5M</b>	Cisco 40GBase-AOC QSFP direct-attach Active Optical Cable, 5-meter
<b>QSFP-H40G-AOC7M</b>	Cisco 40GBase-AOC QSFP direct-attach Active Optical Cable, 7-meter
<b>QSFP-H40G-AOC10M</b>	Cisco 40GBase-AOC QSFP direct-attach Active Optical Cable, 10-meter
<b>QSFP-H40G-AOC15M</b>	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](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
<b>CVR-4SFP10G-QSFP</b>	Housing: 150 x 38 x 38 mm; total length including cable: 1.75m	2 kg
<b>CVR-TRAY-8</b>	586.7 x 441 x 88.9 mm	10 kg
<b>CVR-BRKT-1</b>	147 x 86 x 35 mm	1 kg

## Warranty

- Standard warranty: 1 year
- Extended warranty (optional): Cisco 4SQRA Reverse Adapters can be covered in a Cisco SMARTnet® Service support contract for the Cisco switch chassis.

## 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
<b>CVR-4SFP10G-QSFP</b>	Cisco 4SQRA reverse adapter
<b>CVR-4SFP10G-QSFP=</b>	Cisco 4SQRA reverse adapter (spare)
<b>CVR-TRAY-8</b>	Tray for CVR-4SFP10G-QSFP
<b>CVR-TRAY-8=</b>	Tray for CVR-4SFP10G-QSFP (spare)
<b>CVR-BRKT-1</b>	Mounting bracket for one CVR-4SFP10G-QSFP
<b>CVR-BRKT-1=</b>	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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