

Cisco QSFP to SFP or SFP+ Adapter Module

The Cisco QSFP to SFP or SFP+ Adapter (QSA) Module offers 10 Gigabit Ethernet and 1 Gigabit Ethernet connectivity for Quad Small Form-Factor Pluggable (QSFP)-only platforms. It allows smooth and cost-effective migration to 40 Gigabit Ethernet by providing an option to use lower-speed Small Form-Factor Pluggable (SFP) or Enhanced Small Form-Factor Pluggable (SFP+) modules in empty QSFP ports or when the other end of the network is running at lower speeds.

Figure 1. Cisco QSA Module



Figure 2. Cisco QSA Module with SFP or SFP+ Plugged In



Features and Benefits

The Cisco QSA Module (Figure 1 and Figure 2) converts a QSFP port into an SFP or SFP+ port. With this adapter, customers have the flexibility to use any SFP+ or SFP module or cable to connect to a lower-speed port on the other end of the network. This flexibility allows a cost-effective transition to 40 Gigabit Ethernet by maximizing the use of high-density 40 Gigabit Ethernet QSFP platforms. This adapter supports all SFP+ optics and cable reaches and several 1 Gigabit Ethernet SFP modules (Table 1).

Compatible Switch Models and SFP or SFP+ Modules

The list of switch models supporting the Cisco QSA Module is available in the 40 Gigabit Ethernet compatibility matrix at:

http://www.cisco.com/en/US/docs/interfaces_modules/transceiver_modules/compatibility/matrix/OL_24900.html.

A list of Cisco SFP or SFP+ transceiver modules that can be plugged into the QSA module is provided in Table 1.

Table 1. Cisco SFP or SFP+ Transceiver Modules

Product Name	Product Description
SFP-10G-SR	Cisco 10GBASE-SR SFP+ Module for Multimode Fiber
SFP-10G-LR	Cisco 10GBASE-LR SFP+ Module for Single-Mode Fiber
SFP-10G-ER	Cisco 10GBASE-ER SFP+ Module for Single-Mode Fiber (extended reach)
SFP-10G-ZR	Cisco 10GBASE-ZR SFP+ Module for Single-Mode Fiber (up to 80 km reach)
DWDM-SFP10G-xx.xx	Cisco DWDM SFP+ Modules for Single-Mode Fiber
FET-10G	Cisco Fabric Extender Transceiver for Multimode Fiber
10G SFP+ Copper Cables	SFP+ Copper Cables (1-m to 10-m lengths)
10G SFP+ Active Optical Cables	SFP+ Active Optical Cables (1-m to 10-m lengths)
GLC-T	Cisco 1000Base-T Copper SFP
GLC-SX-MMD	Cisco 1000Base-SX SFP Module for Multimode Fiber

Physical Specifications

Maximum outer dimensions (H x W x D)	13.5 x 18.4 x 78 mm
Weight	Typically less than 100 g

Warranty

- Standard warranty: 1 year
- Extended warranty (optional): Cisco QSA Modules 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 2, which provides the ordering Information for Cisco QSA Modules and spares.

Table 2. Ordering Information

Product Name	Product Description
CVR-QSFP-SFP10G	Cisco QSA Module
CVR-QSFP-SFP10G=	Cisco QSA Module (spare)

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For More Information

For more information about the Cisco QSFP to SFP or SFP+ Adapter Module, contact your local sales representative.



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