Cisco 40-Gigabit Ethernet Transceiver Modules Compatibility Matrix

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Note   For the clearest readability of these tables, use the PDF version located in the upper right-side of your browser screen. The HTML version might misalign the table data.

Note   Because requirements and procedures for initial configurations and software upgrades tend to change, you should always refer to the switch or router software release notes for the latest information. Before installing, configuring, or upgrading a switch, refer to the product release notes on Cisco.com for the latest information. This compatibility matrix does not replace or supercede the release notes.

This publication lists the Cisco platforms and the minimum required software versions to support 40-Gigabit Ethernet transceiver modules. Table 1 lists the model numbers and operating wavelengths for the available 40-Gigabit Ethernet transceiver modules.

Table 1   40-Gigabit Ethernet Transceiver Modules

Model Number	Transceiver Description
QSFP+ Transceivers	
QSFP-40G-SR4=	40GBASE-SR4 QSFP+ transceiver module for MMF, 4-lanes, 850-nm wavelength, 12-fiber MPO/MTP connector
QSFP-4SFP10G-CU5M=	40GBASE-CR4 QSFP+ to four 10GBASE-CU SFP+ direct attach breakout cable assembly, 5 meter passive
QSFP-4SFP10G-CU3M=	40GBASE-CR4 QSFP+ to four 10GBASE-CU SFP+ direct attach breakout cable assembly, 3 meter passive
QSFP-4SFP10G-CU1M=	40GBASE-CR4 QSFP+ to four 10GBASE-CU SFP+ direct attach breakout cable assembly, 1 meter passive
QSFP-H40G-CU5M=	40GBASE-CR4 QSFP+ direct-attach copper cable, 5 meter passive
QSFP-H40G-CU3M=	40GBASE-CR4 QSFP+ direct-attach copper cable, 3 meter passive

Table 1   *40-Gigabit Ethernet Transceiver Modules (continued)*

Model Number	Transceiver Description
QSFP-H40G-CU1M=	40GBASE-CR4 QSFP+ direct-attach copper cable, 1 meter passive
CFP Transceivers	
CVR-CFP-4SFP10G=	Cisco FourX CFP to four SFP+ converter module Please see the *Cisco 10-Gigabit Ethernet Transceiver Modules Compatibility Matrix*
CFP-40G-SR4=	Cisco 40GBASE-SR4 CFP transceiver module for MMF, 4-lanes, 850-nm wavelength, 12-fiber MPO/MTP connector
CFP-40G-LR4=	Cisco multirate 40GBASE-LR4 and OTU3 C4S1-2D1 for SMF, 1310-nm window, SC duplex connector

Table 2 lists the Cisco data center platforms that support the 40-Gigabit Ethernet transceiver modules and the minimum software requirements.

Table 2   *Data Center Switching Minimum Software Release Requirements*

Platform	Switch or Module	Transceiver Model	Minimum Software Release Required	
			DOM Support	Cisco IOS or NX-OS Release
Cisco Nexus 3000 Series	N3K-C3064PQ	QSFP-40G-SR4 QSFP-4SFP10G-CU5M QSFP-4SFP10G-CU3M QSFP-4SFP10G-CU1M QSFP-H40G-CU5M QSFP-H40G-CU3M QSFP-H40G-CU1M	—	NX-OS 5.0(3)U1(1d)
	N3K-C3064PQ-10GE	QSFP-40G-SR4 QSFP-4SFP10G-CU5M QSFP-4SFP10G-CU3M QSFP-4SFP10G-CU1M QSFP-H40G-CU5M QSFP-H40G-CU3M QSFP-H40G-CU1M	—	NX-OS 5.0(3)U1(2)

Table 2   ***Data Center Switching Minimum Software Release Requirements (continued)***

Platform	Switch or Module	Transceiver Model	Minimum Software Release Required	
			DOM Support	Cisco IOS or NX-OS Release
Cisco Nexus 3000 Series (continued)	N3K-C3064PQ-10GX	QSFP-40G-SR4 QSFP-4SFP10G-CU5M QSFP-4SFP10G-CU3M QSFP-4SFP10G-CU1M QSFP-H40G-CU5M QSFP-H40G-CU3M QSFP-H40G-CU1M	—	NX-OS 5.0(3)U3(1)
	N3K-C3016Q-40GE	QSFP-40G-SR4 QSFP-4SFP10G-CU5M QSFP-4SFP10G-CU3M QSFP-4SFP10G-CU1M QSFP-H40G-CU5M QSFP-H40G-CU3M QSFP-H40G-CU1M	—	NX-OS 5.0(3)U2(2a)
Cisco Nexus 7000 Series	N7K-M206FQ-23L	QSFP-40G-SR4	—	NX-OS 6.1(1)
Catalyst 6500 Series	WS-X6904-40G-2T WS-X6904-40G-2TXL	CFP-40G-SR4 CFP-40G-LR4	15.0(1)SY1	15.0(1)SY1

Table 3 lists the Cisco router platforms that support the 40-Gigabit Ethernet transceiver modules and the minimum software requirements.

Table 3   ***Router Support and Minimum Software Release Requirements***

Platform	Switch or Module	Transceiver Model	Minimum Software Release Required	
			DOM Support	Cisco IOS or NX-OS Release
CRS Router	4-40GE-LAN/OTN 4-40GE-LAN 2-40GE-LAN/OTN	CFP-40G-SR4 CFP-40G-LR4	XR 4.2.3	XR 4.2.3
ASR 9000 Series Router	A9K-MPA-1X40GE A9K-MPA-2X40GE	QSFP-40G-SR4	—	XR 4.2.1

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