



Cisco 10-Gigabit Ethernet Transceiver Modules Compatibility Matrix

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Note

For the clearest readability of these tables, please use the PDF version provided in the upper right side of your browser screen. The HTML version may have confusing alignment of table data.



Note

Requirements and procedures for initial configurations and software upgrades tend to change and therefore appear only in the switch or router software release notes. Before installing, configuring, or upgrading a switch, refer to the product release notes on Cisco.com for the latest information. This matrix does not replace or supercede the release notes.

This publication lists the Cisco platforms and minimum required software versions to support 10-Gigabit Ethernet transceiver modules. [Table 1](#) lists the model numbers and operating wavelengths for the 10-Gigabit Ethernet transceiver modules. The other tables are as follows:

- [Table 2, Router Support and Minimum Software Release Requirements](#)
- [Table 3, Data Center and Blade Switching Minimum Software Release Requirements](#)
- [Table 4, Catalyst 2960, 3560, and 3750 Switch Support and Minimum Software Release Requirements](#)
- [Table 5, Catalyst 4XXX Switch Support and Minimum Software Release Requirements](#)
- [Table 6, Catalyst 6XXX Switch Support and Minimum Software Release Requirements](#)
- [Table 7, Metro Ethernet Support and Minimum Software Release Requirements](#)



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Table 1 10-Gigabit Ethernet Transceiver Module Models

Model Number	Transceiver Description
SFP+ Transceivers	
SFP-10G-SR=	10GBASE-SR SFP+ transceiver module for MMF, 850-nm wavelength, LC duplex connector
SFP-10G-SR-X=	10GBASE-SR SFP+ transceiver module for MMF, 850-nm wavelength, LC duplex connector, extended temperature range
SFP-10G-LRM=	10GBASE-LRM SFP+ transceiver module for MMF and SMF, 1310-nm wavelength, LC duplex connector
SFP-10G-LR=	10GBASE-LR SFP+ transceiver module for SMF, 1310-nm wavelength, LC duplex connector
SFP-10G-LR-X=	10GBASE-LR SFP+ transceiver module for SMF, 1310-nm wavelength, LC duplex connector, extended temperature range
SFP-10G-ER=	10GBASE-ER SFP+ transceiver module for SMF, 1550-nm, LC duplex connector
SFP-10G-ZR=	10GBASE-ZR SFP+ transceiver module for SMF, 1550-nm, LC duplex connector
SFP-H10GB-CU1M=	1-m 10G SFP+ Twinax cable assembly, passive
SFP-H10GB-CU3M=	3-m 10G SFP+ Twinax cable assembly, passive
SFP-H10GB-CU5M=	5-m 10G SFP+ Twinax cable assembly, passive
SFP-H10GB-ACU7M=	7-m 10G SFP+ Twinax cable assembly, active
SFP-H10GB-ACU10M=	10-m 10G SFP+ Twinax cable assembly, active
FET-10G	Cisco 10G Fabric Extender Transceiver, LC duplex connector

Table 1 **10-Gigabit Ethernet Transceiver Module Models (continued)**

Model Number	Transceiver Description
XENPAK Transceivers	
XENPAK-10GB-ER=	10GBASE-ER XENPAK transceiver module for SMF, 1550-nm wavelength, SC duplex connector
XENPAK-10GB-ER+=	10GBASE-ER XENPAK transceiver module for SMF, 1550-nm wavelength, SC duplex connector (supports DOM)
XENPAK-10GB-LR=	10GBASE-LR XENPAK transceiver module for SMF, 1310-nm wavelength, SC duplex connector
XENPAK-10GB-LR+=	10GBASE-LR XENPAK transceiver module for SMF, 1310-nm wavelength, SC duplex connector (supports DOM)
XENPAK-10GB-LRM=	10GBASE-LRM XENPAK transceiver module for MMF, 1310-nm wavelength, SC duplex connector
XENPAK-10GB-LW=	10GBASE-LW XENPAK transceiver module for SMF, 1310-nm wavelength, SC duplex connector
XENPAK-10GB-LX4=	10GBASE-LX4 XENPAK transceiver module for MMF, 1310-nm wavelength, SC duplex connector
XENPAK-10GB-SR=	10GBASE-SR XENPAK transceiver module for MMF, 850-nm wavelength, SC duplex connector
XENPAK-10GB-CX4=	10GBASE-CX4 XENPAK transceiver module for CX4 cable, copper, InfiniBand 4X connector
XENPAK-10GB-ZR=	10GBASE-ZR XENPAK transceiver module for SMF, 1550-nm wavelength, SC duplex connector

Table 1 **10-Gigabit Ethernet Transceiver Module Models (continued)**

Model Number	Transceiver Description
DWDM XENPAK Transceivers	
DWDM-XENPAK-60.61=	10GBASE-DWDM 1560.61 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-59.79=	10GBASE-DWDM 1559.79 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-58.98=	10GBASE-DWDM 1558.98 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-58.17=	10GBASE-DWDM 1558.17 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-56.55=	10GBASE-DWDM 1556.55 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-55.75=	10GBASE-DWDM 1555.75 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-54.94=	10GBASE-DWDM 1554.94 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-54.13=	10GBASE-DWDM 1554.13 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-52.52=	10GBASE-DWDM 1552.52 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-51.72=	10GBASE-DWDM 1551.72 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-50.92=	10GBASE-DWDM 1550.92 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-50.12=	10GBASE-DWDM 1550.12 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-48.51=	10GBASE-DWDM 1548.51 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-47.72=	10GBASE-DWDM 1547.72 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-46.92=	10GBASE-DWDM 1546.92 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-46.12=	10GBASE-DWDM 1546.12 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-44.53=	10GBASE-DWDM 1544.53 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-43.73=	10GBASE-DWDM 1543.73 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-42.94=	10GBASE-DWDM 1542.94 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-42.14=	10GBASE-DWDM 1542.14 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-40.56=	10GBASE-DWDM 1540.56 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-39.77=	10GBASE-DWDM 1539.77 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-38.98=	10GBASE-DWDM 1538.98 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-38.19=	10GBASE-DWDM 1538.19 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-36.61=	10GBASE-DWDM 1536.61 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-35.82=	10GBASE-DWDM 1535.82 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-35.04=	10GBASE-DWDM 1535.04 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-34.25=	10GBASE-DWDM 1534.25 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-32.68=	10GBASE-DWDM 1532.68 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-31.90=	10GBASE-DWDM 1531.90 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-31.12=	10GBASE-DWDM 1531.12 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-30.33=	10GBASE-DWDM 1530.33 nm XENPAK (100-GHz ITU grid)

Table 1 10-Gigabit Ethernet Transceiver Module Models (continued)

Model Number	Transceiver Description
X2 Transceivers	
X2-10GB-LR=	10GBASE-LR X2 transceiver module for SMF, 1310-nm wavelength, SC duplex connector
X2-10GB-ER=	10GBASE-ER X2 transceiver module for SMF, 1550-nm wavelength, SC duplex connector
X2-10GB-ZR=	10GBASE-ZR X2 transceiver module for SMF, 1550-nm wavelength, SC duplex connector
X2-10GB-SR=	10GBASE-SR X2 transceiver module for MMF, 850-nm wavelength, SC duplex connector
X2-10GB-CX4=	10GBASE-CX4 X2 transceiver module for CX4 cable, copper, InfiniBand 4X connector
X2-10GB-LX4=	10GBASE-LX4 X2 transceiver module for MMF, 1310-nm wavelength, SC duplex connector
X2-10GB-LRM=	10GBASE-LRM X2 transceiver module for MMF, 1310-nm wavelength, SC duplex connector
X2-10GB-T	10GBASE-T X2 transceiver module for CAT6A/CAT7 cable, copper, RJ-45 connector
DWDM X2 Transceivers	
DWDM-X2-60.61=	10GBASE-DWDM 1560.61 nm X2 (100-GHz ITU grid)
DWDM-X2-59.79=	10GBASE-DWDM 1559.79 nm X2 (100-GHz ITU grid)
DWDM-X2-58.98=	10GBASE-DWDM 1558.98 nm X2 (100-GHz ITU grid)
DWDM-X2-58.17=	10GBASE-DWDM 1558.17 nm X2 (100-GHz ITU grid)
DWDM-X2-56.55=	10GBASE-DWDM 1556.55 nm X2 (100-GHz ITU grid)
DWDM-X2-55.75=	10GBASE-DWDM 1555.75 nm X2 (100-GHz ITU grid)
DWDM-X2-54.94=	10GBASE-DWDM 1554.94 nm X2 (100-GHz ITU grid)
DWDM-X2-54.13=	10GBASE-DWDM 1554.13 nm X2 (100-GHz ITU grid)
DWDM-X2-52.52=	10GBASE-DWDM 1552.52 nm X2 (100-GHz ITU grid)
DWDM-X2-51.72=	10GBASE-DWDM 1551.72 nm X2 (100-GHz ITU grid)
DWDM-X2-50.92=	10GBASE-DWDM 1550.92 nm X2 (100-GHz ITU grid)
DWDM-X2-50.12=	10GBASE-DWDM 1550.12 nm X2 (100-GHz ITU grid)
DWDM-X2-48.51=	10GBASE-DWDM 1548.51 nm X2 (100-GHz ITU grid)
DWDM-X2-47.72=	10GBASE-DWDM 1547.72 nm X2 (100-GHz ITU grid)
DWDM-X2-46.92=	10GBASE-DWDM 1546.92 nm X2 (100-GHz ITU grid)
DWDM-X2-46.12=	10GBASE-DWDM 1546.12 nm X2 (100-GHz ITU grid)
DWDM-X2-44.53=	10GBASE-DWDM 1544.53 nm X2 (100-GHz ITU grid)
DWDM-X2-43.73=	10GBASE-DWDM 1543.73 nm X2 (100-GHz ITU grid)
DWDM-X2-42.94=	10GBASE-DWDM 1542.94 nm X2 (100-GHz ITU grid)

Table 1 10-Gigabit Ethernet Transceiver Module Models (continued)

Model Number	Transceiver Description
DWDM X2 Transceivers (continued)	
DWDM-X2-42.14=	10GBASE-DWDM 1542.14 nm X2 (100-GHz ITU grid)
DWDM-X2-40.56=	10GBASE-DWDM 1540.56 nm X2 (100-GHz ITU grid)
DWDM-X2-39.77=	10GBASE-DWDM 1539.77 nm X2 (100-GHz ITU grid)
DWDM-X2-38.98=	10GBASE-DWDM 1538.98 nm X2 (100-GHz ITU grid)
DWDM-X2-38.19=	10GBASE-DWDM 1538.19 nm X2 (100-GHz ITU grid)
DWDM-X2-36.61=	10GBASE-DWDM 1536.61 nm X2 (100-GHz ITU grid)
DWDM-X2-35.82=	10GBASE-DWDM 1535.82 nm X2 (100-GHz ITU grid)
DWDM-X2-35.04=	10GBASE-DWDM 1535.04 nm X2 (100-GHz ITU grid)
DWDM-X2-34.25=	10GBASE-DWDM 1534.25 nm X2 (100-GHz ITU grid)
DWDM-X2-32.68=	10GBASE-DWDM 1532.68 nm X2 (100-GHz ITU grid)
DWDM-X2-31.90=	10GBASE-DWDM 1531.90 nm X2 (100-GHz ITU grid)
DWDM-X2-31.12=	10GBASE-DWDM 1531.12 nm X2 (100-GHz ITU grid)
DWDM-X2-30.33=	10GBASE-DWDM 1530.33 nm X2 (100-GHz ITU grid)
XFP Transceivers	
XFP-10GLR-OC192SR=	Cisco multirate XFP transceiver module for 10GBASE-LR Ethernet and OC-192/STM-64 short-reach (SR-1) Packet-over-SONET/SDH (POS) applications, SMF, dual LC connector
XFP10GLR-192SR-L=	Cisco multirate XFP transceiver module for 10GBASE-LR Ethernet and OC-192/STM-64 short-reach (SR-1) Packet-over-SONET/SDH (POS) applications, SMF, dual LC connector, low power
XFP-10GER-OC192IR=	Cisco multirate XFP transceiver module for 10GBASE-ER Ethernet and OC-192/STM-64 intermediate-reach (IR-2) Packet-over-SONET/SDH (POS) applications, SMF, dual LC connector
XFP-10GER-192IR+=	Cisco multirate XFP transceiver module for 10GBASE-ER Ethernet and OC-192/STM-64 intermediate-reach (IR-2) Packet-over-SONET/SDH (POS) applications, SMF, dual LC connector
XFP10GER-192IR-L=	Cisco multirate XFP transceiver module for 10GBAS-ER Ethernet and OC-192/STM-64intermediate-reach (IR-2) Packet-over-SONET/SDH (POS) applications, SMF, dual LC connector
XFP-10GZR-OC192LR=	Cisco multirate XFP transceiver module for 10GBASE-ZR Ethernet and OC-192/STM-64 long-reach Packet-over-SONET/SDH (POS) applications, SMF, dual LC connector
XFP-10G-MM-SR=	Cisco 10GBASE-SR Ethernet XFP transceiver module for MMF, dual LC connector

Table 1 10-Gigabit Ethernet Transceiver Module Models (continued)

Model Number	Transceiver Description
XFP Transceivers (continued)	
XFP10GLR192SR-RGD	Cisco multirate XFP transceiver module for 10GBASE-LR Ethernet and OC-192/STM-64 short-reach (SR-1) Packet-over-SONET/SDH (POS) applications, SMF, dual LC connector, industrial temperature range
XFP10GER192IR-RGD	Cisco multirate XFP transceiver module for 10GBASE-ER Ethernet and OC-192/STM-64 intermediate-reach (IR-2) Packet-over-SONET/SDH (POS) applications, SMF, dual LC connector, industrial temperature range
XFP10GZR192LR-RGD	Cisco multirate XFP transceiver module for 10GBASE-ZR Ethernet and OC-192/STM-64 long-reach Packet-over-SONET/SDH (POS) applications, SMF, dual LC connector, industrial temperature range
DWDM XFP Transceivers	
DWDM-XFP-60.61=	10GBASE-DWDM 1560.61 nm XFP (100-GHz ITU grid)
DWDM-XFP-59.79=	10GBASE-DWDM 1559.79 nm XFP (100-GHz ITU grid)
DWDM-XFP-58.98=	10GBASE-DWDM 1558.98 nm XFP (100-GHz ITU grid)
DWDM-XFP-58.17=	10GBASE-DWDM 1558.17 nm XFP (100-GHz ITU grid)
DWDM-XFP-56.55=	10GBASE-DWDM 1556.55 nm XFP (100-GHz ITU grid)
DWDM-XFP-55.75=	10GBASE-DWDM 1555.75 nm XFP (100-GHz ITU grid)
DWDM-XFP-54.94=	10GBASE-DWDM 1554.94 nm XFP (100-GHz ITU grid)
DWDM-XFP-54.13=	10GBASE-DWDM 1554.13 nm XFP (100-GHz ITU grid)
DWDM-XFP-52.52=	10GBASE-DWDM 1552.52 nm XFP (100-GHz ITU grid)
DWDM-XFP-51.72=	10GBASE-DWDM 1551.72 nm XFP (100-GHz ITU grid)
DWDM-XFP-50.92=	10GBASE-DWDM 1550.92 nm XFP (100-GHz ITU grid)
DWDM-XFP-50.12=	10GBASE-DWDM 1550.12 nm XFP (100-GHz ITU grid)
DWDM-XFP-48.51=	10GBASE-DWDM 1548.51 nm XFP (100-GHz ITU grid)
DWDM-XFP-47.72=	10GBASE-DWDM 1547.72 nm XFP (100-GHz ITU grid)
DWDM-XFP-46.92=	10GBASE-DWDM 1546.92 nm XFP (100-GHz ITU grid)
DWDM-XFP-46.12=	10GBASE-DWDM 1546.12 nm XFP (100-GHz ITU grid)
DWDM-XFP-44.53=	10GBASE-DWDM 1544.53 nm XFP (100-GHz ITU grid)
DWDM-XFP-43.73=	10GBASE-DWDM 1543.73 nm XFP (100-GHz ITU grid)
DWDM-XFP-42.94=	10GBASE-DWDM 1542.94 nm XFP (100-GHz ITU grid)
DWDM-XFP-42.14=	10GBASE-DWDM 1542.14 nm XFP (100-GHz ITU grid)
DWDM-XFP-40.56=	10GBASE-DWDM 1540.56 nm XFP (100-GHz ITU grid)
DWDM-XFP-39.77=	10GBASE-DWDM 1539.77 nm XFP (100-GHz ITU grid)
DWDM-XFP-38.98=	10GBASE-DWDM 1538.98 nm XFP (100-GHz ITU grid)
DWDM-XFP-38.19=	10GBASE-DWDM 1538.19 nm XFP (100-GHz ITU grid)
DWDM-XFP-36.61=	10GBASE-DWDM 1536.61 nm XFP (100-GHz ITU grid)

Table 1 10-Gigabit Ethernet Transceiver Module Models (continued)

Model Number	Transceiver Description
DWDM XFP Transceivers (continued)	
DWDM-XFP-35.82=	10GBASE-DWDM 1535.82 nm XFP (100-GHz ITU grid)
DWDM-XFP-35.04=	10GBASE-DWDM 1535.04 nm XFP (100-GHz ITU grid)
DWDM-XFP-34.25=	10GBASE-DWDM 1534.25 nm XFP (100-GHz ITU grid)
DWDM-XFP-32.68=	10GBASE-DWDM 1532.68 nm XFP (100-GHz ITU grid)
DWDM-XFP-31.90=	10GBASE-DWDM 1531.90 nm XFP (100-GHz ITU grid)
DWDM-XFP-31.12=	10GBASE-DWDM 1531.12 nm XFP (100-GHz ITU grid)
DWDM-XFP-30.33=	10GBASE-DWDM 1530.33 nm XFP (100-GHz ITU grid)
DWDM-XFP-C=	10GBASE-DWDM Tuneable XFP (50-GHz ITU grid)

Table 2 to Table 6 list the Cisco platforms that support the 10-Gigabit Ethernet transceiver modules and the minimum software requirements.

Table 2 Router Support and Minimum Software Release Requirements

Platform	Switch or Module	Transceiver Model	Minimum Software Release Required	
			DOM Support	Cisco IOS Release
CRS Router	8-10GBE	CRS-XENPAK10GB-LR	—	XR 3.0
		XENPAK-10GB-LR+	XR 3.3.3	XR 3.3.3
		XENPAK-10GB-ER+	—	XR 3.2.2
		XENPAK-10GB-ER	—	XR 3.2.2
	4-10GE	DWDM XENPAK	XR 3.0	XR 3.0
		XENPAK-10GB-LR+	XR 3.8.1	XR 3.8.1
		XENPAK-10GB-ER+	—	—
	2-10GE-WL-FLEX	DWDM XENPAK	—	—
		XFP-10G-MM-SR	XR 3.8.1	XR 3.8.1
XFP-10GLR-OC192SR		—	—	
	XFP-10GER-192IR+	—	—	
	XFP-10GZR-OC192LR	—	—	
	DWDM XFP	—	—	

Table 2 Router Support and Minimum Software Release Requirements (continued)

Platform	Switch or Module	Transceiver Model	Minimum Software Release Required		
			DOM Support	Cisco IOS Release	
CRS Router (continued)	4-10GBE-WL-XFP 8-10GBE-WL-XFP	XFP10GLR-192SR-L	XR 3.8.4, 3.9.1	XR 3.8.4, 3.9.1	
		XFP10GER-192IR-L			
		XFP-10G-MM-SR ² XFP-10GZR-OC192LR ¹ DWDM XFP ²	XR 4.0.1	XR 4.0.1	
	DWDM-XFP-C	XR 4.2.3	XR 4.2.3		
	14X10GBE-WL-XFP 20X10GBE-WL-XFP	XFP10GLR-192SR-L	XR 4.0	XR 4.0	
		XFP10GER-192IR-L			
		XFP-10G-MM-SR ² XFP-10GZR-OC192LR ¹ DWDM XFP ²	XR 4.0.1	XR 4.0.1	
DWDM-XFP-C	XR 4.2.3	XR 4.2.3			
Cisco Shared Port Adapter (SPA)	SPA-OC192POS-XFP SPA-1X10GE-WL-V2 SPA-1XTENGE-XFP SPA-1X10GE-L-V2	XFP-10G-MM-SR XFP-10GLR-OC192SR XFP10GLR-192SR-L XFP-10GER-OC192IR XFP-10GER-192IR+ XFP10GER-192IR-L XFP-10GZR-OC192LR DWDM XFP	SPA software support is determined by the platform on which the SPA is installed. Refer to the SPA release notes for the correct software release.		
ASR 9000 Series Router	A9K-4T-B A9K-4T-E A9K-8T/4-E A9K-8T/4-B	XFP-10G-MM-SR	XR 3.7.3	XR 3.7.3	
		XFP-10GLR-OC192SR ¹			
		XFP-10GER-192IR+ XFP-10GZR-OC192LR ² DWDM XFP			
	DWDM-XFP-C	XR 4.0.1	XR 4.0.1		
	A9K-2T20GE-B A9K-2T20GE-E A9K-4T-L A9K-8T/4-L A9K-8T-L A9K-8T-E	XFP-10G-MM-SR XFP-10GLR-OC192SR ¹ XFP-10GER-192IR+ XFP-10GZR-OC192LR ² DWDM XFP	DWDM-XFP-C	XR 3.9.0	XR 3.9.0
	DWDM-XFP-C	XR 4.0.1	XR 4.0.1		
	A9K-8T-B	XFP-10G-MM-SR XFP-10GLR-OC192SR ¹ XFP-10GER-192IR+ XFP-10GZR-OC192LR ² DWDM XFP	DWDM-XFP-C	XR 3.9.1	XR 3.9.1
DWDM-XFP-C	XR 4.0.1	XR 4.0.1			

Table 2 Router Support and Minimum Software Release Requirements (continued)

Platform	Switch or Module	Transceiver Model	Minimum Software Release Required	
			DOM Support	Cisco IOS Release
ASR 9000 Series Router (continued)	A9K-SIP-700 with SPA-OC192POS-XFP	XFP-10GLR-OC192SR ¹ XFP-10GER-192IR+ XFP-10GZR-OC192LR ² DWDM XFP	XR 4.0.0	XR 4.0.0
		DWDM-XFP-C	XR 4.0.1	XR 4.0.1
	A9K-16T/8-B	SFP-10G-SR SFP-10G-LR SFP-10G-ER	XR 3.9.1	XR 3.9.1
	A9K-24X10GE-SE A9K-24X10GE-TR	SFP-10G-SR SFP-10G-LR SFP-10G-ER	XR 4.2.0	XR 4.2.0
	A9K-MPA-4x10GE	XFP-10GLR-OC192SR ¹ XFP-10GER-192IR+ XFP-10GZR-OC192LR ² DWDM XFP DWDM-XFP-C	XR 4.2.0	XR 4.2.0
Cisco ASR 903 Series	A900-IMA1X	XFP10GLR192SR-RGD XFP10GER192IR-RGD XFP10GZR192LR-RGD XFP-10G-MM-SR XFP10GLR-192SR-L XFP10GER-192IR-L XFP-10GZR-OC192LR DWDM-XFP-C	XE 3.5.0S	XE 3.5.0S
Cisco SCE 8000	SCE8000-2X10GE-E SCE8000-4X10GE-E	XFP-10G-MM-SR XFP-10GLR-OC192SR XFP-10GER-OC192SR XFP-10GZR-OC192LR DWDM XFP	SCS 3.1.6	SCS 3.1.6

Table 2 Router Support and Minimum Software Release Requirements (continued)

Platform	Switch or Module	Transceiver Model	Minimum Software Release Required	
			DOM Support	Cisco IOS Release
Cisco 7600 Series Router	7600-ES20-10G3C	XFP-10GLR-OC192SR	12.2(33)SRB	12.2(33)SRB
	7600-ES20-10G3CXL	XFP-10GER-OC192IR		
		XFP-10GZR-OC192LR	12.2(33)SRB1	12.2(33)SRB1
		DWDM XFP	12.2(33)SRB3	12.2(33)SRB3
		XFP-10GER-192IR+	12.2(33)SRD	12.2(33)SRD
		XFP-10G-MM-SR	12.2(33)SRE1	12.2(33)SRE1
	7600-ES+2TG3C	XFP-10GLR-OC192SR	12.2(33)SRD	12.2(33)SRD
	7600-ES+2TG3CXL	XFP-10GER-192IR+		
	7600-ES+4TG3C	XFP-10GZR-OC192LR		
	7600-ES+4TG3CXL	DWDM XFP		
		XFP-10G-MM-SR	12.2(33)SRE1	12.2(33)SRE1
		DWDM-XFP-C	15.0(1)S	15.0(1)S
	76-ES+XT-2TG3C	XFP-10GLR-OC192SR	12.2(33)SRD1	12.2(33)SRD1
	76-ES+XT-2TG3CXL	XFP-10GER-192IR+		
	76-ES+XT-4TG3C	XFP-10GZR-OC192LR		
	76-ES+XT-4TG3CXL	DWDM XFP		
	XFP-10G-MM-SR	12.2(33)SRE1	12.2(33)SRE1	
	DWDM-XFP-C	15.0(1)S	15.0(1)S	
76-ES+T-2TG	XFP-10GLR-OC192SR	12.2(33)SRD3	12.2(33)SRD3	
76-ES+T-4TG	XFP-10GER-192IR+			
	XFP-10GZR-OC192LR			
	DWDM XFP			
	XFP-10G-MM-SR	12.2(33)SRE1	12.2(33)SRE1	
	DWDM-XFP-C	15.0(1)S	15.0(1)S	

Table 2 Router Support and Minimum Software Release Requirements (continued)

Platform	Switch or Module	Transceiver Model	Minimum Software Release Required	
			DOM Support	Cisco IOS Release
Cisco 7600 Series Router (continued)	76-ES+XC-20G3C	XFP-10GLR-OC192SR	12.2(33)SRE	12.2(33)SRE
	76-ES+XC-20G3CXL	XFP-10GER-192IR+		
	76-ES+XC-40G3C	XFP-10GZR-OC192LR		
	76-ES+XC-40G3CXL	DWDM XFP		
		XFP-10G-MM-SR	12.2(33)SRE1	12.2(33)SRE1
		DWDM-XFP-C	15.0(1)S	15.0(1)S
	WS-X6708-10G-3C	X2-10GB-CX4	—	12.2(33)SRC
	WS-X6708-10G-3CXL	X2-10GB-LX4		
	RSP720-10GE	X2-10GB-LR	12.2(33)SRD2	12.2(33)SRC
		X2-10GB-SR		
	X2-10GB-ER			
	X2-10GB-LRM	12.2(33)SRE	12.2(33)SRE	
	X2-10GB-ZR			
	DWDM X2			
WS-SUP32-10GB-3B	XENPAK-10GB-CX4	—	12.2(33)SRA	
	XENPAK-10GB-LX4			
	XENPAK-10GB-SR			
	XENPAK-10GB-LR			
	XENPAK-10GB-ER			
	XENPAK-10GB-LR+	12.2(33)SRA	12.2(33)SRA	
	XENPAK-10GB-ER+			
	XENPAK-10GB-ZR			
	DWDM XENPAK			
WS-X6704-10GE	XENPAK-10GB-CX4	—	12.2(33)SRA	
	XENPAK-10GB-LX4			
	XENPAK-10GB-SR			
	XENPAK-10GB-LR			
	XENPAK-10GB-ER			
	XENPAK-10GB-LW	12.2(33)SRA	12.2(33)SRA	
	XENPAK-10GB-LR+			
	XENPAK-10GB-ER+			
	XENPAK-10GB-ZR			
	DWDM XENPAK			
Cisco RF Gateway Series	RFGW-X4516-10GE	X2-10GB-SR	12.2(44)SQ	12.2(44)SQ
		X2-10GB-LR		

1. Only version -03 or later is supported.
2. Only version -02 or later is supported.

Table 3 Data Center and Blade Switching Minimum Software Release Requirements

Platform	Switch or Module	Transceiver Model	Minimum Software Release Required	
			DOM Support	Cisco IOS or NX-OS Release
Cisco Catalyst 2350 Series	2350-48TD-S	X2-10GB-CX4	—	12.2(46)EY
	2350-48TD-SD	X2-10GB-SR X2-10GB-LRM		
Cisco Catalyst 2360 Series	2360-48TD-S	SFP-H10GB-CU1M ¹	—	12.2(53)EY
		SFP-H10GB-CU3M ¹		
		SFP-H10GB-CU5M ¹		
		SFP-10G-SR		
		SFP-10G-LRM SFP-10G-LR		
Cisco Catalyst 3100 Blade Switches	WS-CBS-3110X-S-I	X2-10GB-CX4	—	12.2(40)EX1
		X2-10GB-SR		
		X2-10GB-LX4		
	WS-CBS-3120X-S WS-CBS-3130X-S	X2-10GB-LRM	—	12.2(46)SE
		X2-10GB-LX4		
		X2-10GB-LR		
WS-CBS-3110X-S-I WS-CBS-3120X-S WS-CBS-3130X-S (With CVR-X2-SFP10G converter for X2 ports)	SFP-10G-SR	—	12.2(55)SE1	
	SFP-10G-LR			
	SFP-10G-LRM			
	SFP-H10GB-CU1M ¹			
	SFP-H10GB-CU3M ¹ SFP-H10GB-CU5M ¹			

Table 3 Data Center and Blade 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 2000 Series	N2K-C2148T-1GE	SFP-10G-SR	NX-OS 4.0(1a)N2(1)	NX-OS 4.0(1a)N2(1)
		SFP-10G-LR		
		SFP-H10GB-CU1M	—	NX-OS 4.0(1a)N2(1)
		SFP-H10GB-CU3M	—	NX-OS 4.0(1a)N2(1)
	N2K-C2248TP-1GE	SFP-10G-SR	NX-OS 4.2(1)N1(1)	NX-OS 4.2(1)N1(1)
		SFP-10G-LR		
	N2K-C2232PP-10GE	FET-10G ²	—	NX-OS 4.2(1)N1(1)
		SFP-H10GB-CU1M	—	NX-OS 4.2(1)N1(1)
		SFP-H10GB-CU3M	—	NX-OS 4.2(1)N1(1)
SFP-H10GB-CU5M		—	NX-OS 4.2(1)N1(1)	
N2K-C2224TP-1GE	SFP-H10GB-ACU7M	—	NX-OS 4.2(1)N2(1)	
	SFP-H10GB-ACU10M	—	NX-OS 4.2(1)N2(1)	
	SFP-10G-SR	NX-OS 4.2(1)N2(1)	NX-OS 4.2(1)N2(1)	
	SFP-10G-LR			
Cisco Nexus 3000 Series	N3K-C3064PQ	FET-10G ²	—	NX-OS 4.2(1)N2(1)
		SFP-H10GB-CU1M	—	NX-OS 4.2(1)N2(1)
		SFP-H10GB-CU3M	—	NX-OS 4.2(1)N2(1)
	N3K-C3064PQ-10GE	SFP-H10GB-CU5M	—	NX-OS 4.2(1)N2(1)
		SFP-10G-SR	NX-OS 5.0(3)U1(1d)	NX-OS 5.0(3)U1(1d)
		SFP-10G-LR		
N3K-C3064PQ	SFP-H10GB-CU1M	—	NX-OS 5.0(3)U1(1d)	
	SFP-H10GB-CU3M	—	NX-OS 5.0(3)U1(1d)	
	SFP-H10GB-CU5M	—	NX-OS 5.0(3)U1(1d)	
N3K-C3064PQ-10GE	SFP-10G-SR	NX-OS 5.0(3)U2(2c)	NX-OS 5.0(3)U2(2c)	
	SFP-10G-LR	NX-OS 5.0(3)U2(2c)	NX-OS 5.0(3)U2(2c)	
	SFP-H10GB-CU1M	—	NX-OS 5.0(3)U1(2)	
	SFP-H10GB-CU3M	—	NX-OS 5.0(3)U1(2)	
N3K-C3064PQ	SFP-H10GB-CU5M	—	NX-OS 5.0(3)U1(2)	
	SFP-10G-SR	NX-OS 5.0(3)U2(2c)	NX-OS 5.0(3)U2(2c)	
N3K-C3064PQ-10GE	SFP-10G-LR	NX-OS 5.0(3)U2(2c)	NX-OS 5.0(3)U2(2c)	
	SFP-10G-ER	NX-OS 5.0(3)U2(2c)	NX-OS 5.0(3)U2(2c)	

Table 3 Data Center and Blade 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	SFP-10G-SR SFP-10G-LR SFP-10G-ER	NX-OS 5.0(3)U3(1)	NX-OS 5.0(3)U3(1)
		SFP-H10GB-CU1M SFP-H10GB-CU3M SFP-H10GB-CU5M	—	NX-OS 5.0(3)U3(1)
	N3K-C3048TP-1GE	SFP-10G-SR SFP-10G-LR	NX-OS 5.0(3)U2(2b)	NX-OS 5.0(3)U2(2b)
		SFP-H10GB-CU1M SFP-H10GB-CU3M SFP-H10GB-CU5M	—	NX-OS 5.0(3)U2(2b)
Cisco Nexus 4000 Series	N4K-4001I-XPX	SFP-10G-SR SFP-10G-LR	NX-OS 4.1(2)E1(1)	NX-OS 4.1(2)E1(1)
		SFP-H10GB-CU1M SFP-H10GB-CU3M SFP-H10GB-CU5M	—	NX-OS 4.1(2)E1(1)

Table 3 Data Center and Blade 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 5000 Series	N5K-C5020P-BF N5K-M1600 N5K-M1404	SFP-10G-SR	NX-OS 4.0(0)N1(1)	NX-OS 4.0(0)N1(1)	
		SFP-H10GB-CU1M	—	NX-OS 4.0(0)N1(1)	
		SFP-H10GB-CU3M	—	NX-OS 4.0(0)N1(1)	
		SFP-H10GB-CU5M	—	NX-OS 4.0(0)N1(1)	
		SFP-10G-LR	NX-OS 4.0(1a)N1(1)	NX-OS 4.0(1a)N1(1)	
		SFP-H10GB-ACU7M	—	NX-OS 4.2(1)N2(1)	
	N5K-C5010P-BF	SFP-10G-SR SFP-10G-LR SFP-H10GB-CU1M SFP-H10GB-CU3M SFP-H10GB-CU5M SFP-H10GB-ACU7M SFP-H10GB-ACU10M FET-10G ²	SFP-10G-SR	NX-OS 4.0(1a)N1(1)	NX-OS 4.0(1a)N1(1)
			SFP-10G-LR	—	NX-OS 4.0(1a)N1(1)
			SFP-H10GB-CU1M	—	NX-OS 4.0(1a)N1(1)
			SFP-H10GB-CU3M	—	NX-OS 4.0(1a)N1(1)
			SFP-H10GB-CU5M	—	NX-OS 4.0(1a)N1(1)
			SFP-H10GB-ACU7M	—	NX-OS 4.2(1)N2(1)
N5K-C5548P-FA N55-M16P N55-M8P8FP	SFP-10G-SR SFP-10G-LR SFP-H10GB-CU1M SFP-H10GB-CU3M SFP-H10GB-CU5M SFP-H10GB-ACU7M SFP-H10GB-ACU10M FET-10G ²	SFP-10G-SR	NX-OS 5.0(2)N1(1)	NX-OS 5.0(2)N1(1)	
		SFP-10G-LR	—	NX-OS 5.0(2)N1(1)	
		SFP-H10GB-CU1M	—	NX-OS 5.0(2)N1(1)	
		SFP-H10GB-CU3M	—	NX-OS 5.0(2)N1(1)	
		SFP-H10GB-CU5M	—	NX-OS 5.0(2)N1(1)	
		SFP-H10GB-ACU7M	—	NX-OS 5.0(2)N1(1)	
N5K-C5548P-FA N55-M16UP	SFP-10G-SR SFP-10G-LR FET-10G ² SFP-H10GB-CU1M SFP-H10GB-CU3M SFP-H10GB-CU5M SFP-H10GB-ACU7M SFP-H10GB-ACU10M	SFP-10G-SR	NX-OS 5.0(3)N1(1B)	NX-OS 5.0(3)N1(1B)	
		SFP-10G-LR	—	NX-OS 5.0(3)N1(1B)	
		FET-10G ²	—	NX-OS 5.0(3)N1(1B)	
		SFP-H10GB-CU1M	—	NX-OS 5.0(3)N1(1B)	
		SFP-H10GB-CU3M	—	NX-OS 5.0(3)N1(1B)	
		SFP-H10GB-CU5M	—	NX-OS 5.0(3)N1(1B)	
N5K-C5548UP-FA N5K-C5596UP-FA N55-M16UP N55-M16P N55-M8P8FP	SFP-10G-SR SFP-10G-LR FET-10G ² SFP-H10GB-CU1M SFP-H10GB-CU3M SFP-H10GB-CU5M SFP-H10GB-ACU7M SFP-H10GB-ACU10M	SFP-10G-SR	NX-OS 5.0(3)N1(1B)	NX-OS 5.0(3)N1(1B)	
		SFP-10G-LR	—	NX-OS 5.0(3)N1(1B)	
		FET-10G ²	—	NX-OS 5.0(3)N1(1B)	
		SFP-H10GB-CU1M	—	NX-OS 5.0(3)N1(1B)	
		SFP-H10GB-CU3M	—	NX-OS 5.0(3)N1(1B)	
		SFP-H10GB-CU5M	—	NX-OS 5.0(3)N1(1B)	

Table 3 Data Center and Blade 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 Unified Computing System	N10-S6100 N10-E0440 N10-E0600 N20-I6584	SFP-10G-SR	UCS Manager v1.0(1)	UCS Manager v1.0(1)
		SFP-10G-LR		
		SFP-H10GB-CU1M	—	UCS Manager v1.0(1)
		SFP-H10GB-CU3M	—	
	N10-S6200 N10-E0440 N10-E0600 N20-I6584	SFP-H10GB-CU5M	—	
		SFP-H10GB-ACU7M	—	UCS Manager v1.4(2)
		SFP-H10GB-ACU10M	—	
		SFP-10G-SR	UCS Manager v1.1(1)	UCS Manager v1.1(1)
		SFP-10G-LR		
UCS-FI-6248UP UCS-FI-E16UP UCS-IOM-2208XP	SFP-H10GB-CU1M	—	UCS Manager v1.1(1)	
	SFP-H10GB-CU3M	—		
	SFP-H10GB-CU5M	—		
	SFP-H10GB-ACU7M	—	UCS Manager v1.4(2)	
	SFP-H10GB-ACU10M	—		
Cisco Nexus 7000 Series	N7K-M132XP-12	SFP-10G-SR	NX-OS 4.0 (1)	NX-OS 4.0 (1)
		SFP-10G-LR	NX-OS 4.0 (3)	NX-OS 4.0 (3)
		SFP-10G-ER	NX-OS 4.2.6	NX-OS 4.2.6
		FET-10G ²	NX-OS 5.1	NX-OS 5.1
		SFP-H10GB-CU1M	Not supported	Not supported
		SFP-H10GB-CU3M	Not supported	Not supported
		SFP-H10GB-CU5M	Not supported	Not supported
		SFP-H10GB-ACU7M ¹	—	NX-OS 5.1(2)
	SFP-H10GB-ACU10M ¹			
	N7K-M108X2-12L	X2-10GB-SR	NX-OS 5.0	NX-OS 5.0
		X2-10GB-LR		
		X2-10GB-LRM		
X2-10GB-ER				
X2-10GB-ZR	DWDM X2			
	X2-10GB-ZR	NX-OS 5.1	NX-OS 5.1	
	X2-10GB-CX4	—	NX-OS 5.1	
	X2-10GB-LX4			

Table 3 Data Center and Blade 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 7000 Series (continued)	N7K-M108X2-12L (With CVR-X2-SFP10G converter for X2 ports)	SFP-H10GB-CU1M ¹ SFP-H10GB-CU3M ¹ SFP-H10GB-CU5M ¹	—	NX-OS 5.2
		SFP-10G-SR	NX-OS 5.2	NX-OS 5.2
	N7K-M132XP-12L	SFP-10G-SR SFP-10G-LR SFP-10G-ER SFP-10G-LRM	NX-OS 5.1	NX-OS 5.1
		SFP-H10GB-CU1M ¹ SFP-H10GB-CU3M ¹ SFP-H10GB-CU5M ¹ SFP-H10GB-ACU7M SFP-H10GB-ACU10M	—	NX-OS 5.1
		FET-10G ²	NX-OS 5.1	NX-OS 5.1
N7K-F132XP-15	SFP-10G-SR SFP-10G-LRM SFP-10G-LR ¹	NX-OS 5.1	NX-OS 5.1	
	SFP-H10GB-CU1M ¹ SFP-H10GB-CU3M ¹ SFP-H10GB-CU5M ¹ SFP-H10GB-ACU7M SFP-H10GB-ACU10M	—	NX-OS 5.1	
	SFP-10G-ER	NX-OS 5.2	NX-OS 5.2	
N7K-F248XP-25	SFP-10G-SR SFP-10G-LRM SFP-10G-LR ¹ SFP-10G-ER FET-10G ²	NX-OS 6.0	NX-OS 6.0	
	SFP-H10GB-CU1M ¹ SFP-H10GB-CU3M ¹ SFP-H10GB-CU5M ¹ SFP-H10GB-ACU7M SFP-H10GB-ACU10M	—	NX-OS 6.0	
Cisco MDS 9000 Series	Refer to: http://www.cisco.com/en/US/prod/collateral/ps4159/ps6409/ps4358/product_data_sheet09186a00801bc698.html			

1. Only Version -02 or later is supported.
2. Supported for fabric links only, from a Nexus 2000 Series to a Cisco parent switch.

Table 4 Catalyst 2960, 3560, and 3750 Switch Support and Minimum Software Release Requirements

Platform	Switch or Module	Transceiver Model	Minimum Software Release Required			
			DOM Support	Cisco IOS Release		
Catalyst 2960-S Series	WS-C2960S-48FPD-L WS-C2960S-48LPD-L WS-C2960S-24PD-L	SFP-H10GB-CU1M ¹ SFP-H10GB-CU3M ¹ SFP-H10GB-CU5M ¹	—	12.2(53)SE1		
	WS-C2960S-48TD-L WS-C2960S-24TD-L	SFP-10G-SR SFP-10G-LRM SFP-10G-LR	12.2(53)SE1	12.2(53)SE1		
Catalyst 3560-E Series	WS-C3560E-24TD WS-C3560E-24PD WS-C3560E-48TD WS-C3560E-48PD WS-C3560E-48PDF	X2-10GB-LR X2-10GB-ER X2-10GB-LX4 X2-10GB-SR X2-10GB-CX4 X2-10GB-LRM X2-10GB-ZR DWDM X2	12.2(46)SE 12.2(46)SE 12.2(50)SE 12.2(52)SE	12.2(35)SE2 12.2(40)SE 12.2(50)SE 12.2(52)SE		
	WS-C3560E-12D WS-C3560E-12SD	X2-10GB-LR X2-10GB-ER X2-10GB-LX4 X2-10GB-SR X2-10GB-CX4 X2-10GB-LRM X2-10GB-ZR DWDM X2	12.2(46)SE 12.2(50)SE 12.2(52)SE	12.2(40)EX 12.2(50)SE 12.2(52)SE		
	WS-C3560E-24TD WS-C3560E-24PD WS-C3560E-48TD WS-C3560E-48PD WS-C3560E-48PDF WS-C3560E-12D WS-C3560E-12SD (With CVR-X2-SFP10G converter for X2 ports)	SFP-10G-SR SFP-10G-LR SFP-10G-LRM SFP-H10GB-CU1M ¹ SFP-H10GB-CU3M ¹ SFP-H10GB-CU5M ¹	12.2(55)SE1 —	12.2(55)SE1 12.2(55)SE1		
	Catalyst 3560-X Series	WS-C3560X-24T WS-C3560X-48T WS-C3560X-24P	SFP-H10GB-CU1M ¹ SFP-H10GB-CU3M ¹ SFP-H10GB-CU5M ¹	—	12.2(53)SE	
		WS-C3560X-48P WS-C3560X-48PF	SFP-10G-SR SFP-10G-LRM SFP-10G-LR	12.2(53)SE	12.2(53)SE	
		Catalyst 3750 series	WS-C3750G-16TD	XENPAK-10GB-ER C3-XENPAK10GB-LR	—	12.2(18)SE

Table 4 Catalyst 2960, 3560, and 3750 Switch Support and Minimum Software Release Requirements (continued)

Platform	Switch or Module	Transceiver Model	Minimum Software Release Required	
			DOM Support	Cisco IOS Release
Catalyst 3750-E Series	WS-C3750E-24TD	X2-10GB-LR	12.2(46)SE	12.2(35)SE2
	WS-C3750E-24PD	X2-10GB-ER		
	WS-C3750E-48TD	X2-10GB-LX4		
	WS-C3750E-48PD	X2-10GB-SR	12.2(46)SE	12.2(40)SE
	WS-C3750E-48PDF	X2-10GB-CX4		
		X2-10GB-LRM		
		X2-10GB-ZR	12.2(50)SE	12.2(50)SE
		DWDM X2	12.2(52)SE	12.2(52)SE
	WS-C3750E-24TD	SFP-10G-SR	12.2(55)SE1	12.2(55)SE1
	WS-C3750E-24PD	SFP-10G-LR		
WS-C3750E-48TD	SFP-10G-LRM			
WS-C3750E-48PD	SFP-H10GB-CU1M ¹	—	12.2(55)SE1	
WS-C3750E-48PDF	SFP-H10GB-CU3M ¹			
(With CVR-X2-SFP10G converter for X2 ports)	SFP-H10GB-CU5M ¹			
Catalyst 3750-X Series	WS-C3750X-24T	SFP-H10GB-CU1M ¹	—	12.2(53)SE
	WS-C3750X-48T	SFP-H10GB-CU3M ¹		
	WS-C3750X-24P	SFP-H10GB-CU5M ¹		
	WS-C3750X-48P	SFP-10G-SR	12.2(53)SE	12.2(53)SE
	WS-C3750X-48PF	SFP-10G-LRM		
		SFP-10G-LR		
	WS-C3750X-12S	SFP-H10GB-CU1M ¹	—	12.2(58)SE1
WS-C3750X-24S	SFP-H10GB-CU3M ¹			
	SFP-H10GB-CU5M ¹			
	SFP-10G-SR	12.2(58)SE1	12.2(58)SE1	
	SFP-10G-LRM			
	SFP-10G-LR			

1. Only Version -02 or later is supported.

Table 5 Catalyst 4XXX Switch Support and Minimum Software Release Requirements

Platform	Switch or Module	Transceiver Model	Minimum Software Release Required	
			DOM Support	Cisco IOS
Catalyst 4500 series	WS-X4516-10GE	X2-10GB-CX4	—	12.2(25)EW
		X2-10GB-LX4		
		X2-10GB-LR	12.2(54)SG	12.2(25)EW
		X2-10GB-SR		
		X2-10GB-ER		
		X2-10GB-LRM	12.2(54)SG	12.2(31)SGA
	WS-X4516-10GE (With CVR-X2-SFP10G converter for X2 ports)	X2-10GB-ZR	12.2(54)SG	12.2(50)SG
		DWDM X2	12.2(50)SG	12.2(50)SG
		SFP-10G-SR	12.2(54)SG	12.2(54)SG
		SFP-10G-LRM		
WS-X4013+10GE	SFP-10G-LR			
	SFP-H10GB-CU1M ¹	—	12.2(54)SG	
	SFP-H10GB-CU3M ¹			
	SFP-H10GB-CU5M ¹			
	X2-10GB-CX4	—	12.2(25)SG	
	X2-10GB-LX4			
WS-X4013+10GE (With CVR-X2-SFP10G converter for X2 ports)	X2-10GB-LR	12.(54)SG	12.2(25)SG	
	X2-10GB-SR			
	X2-10GB-ER			
	X2-10GB-LRM	12.2(54)SG	12.2(31)SGA	
	X2-10GB-ZR	12.2(54)SG	12.2(50)SG	
	DWDM X2	12.2(50)SG	12.2(50)SG	
WS-X45-SUP6L-E	SFP-10G-SR	12.2(54)SG	12.2(54)SG	
	SFP-10G-LRM			
	SFP-10G-LR			
	SFP-H10GB-CU1M ¹	—	12.2(54)SG	
WS-X45-SUP6L-E	SFP-H10GB-CU3M ¹			
	SFP-H10GB-CU5M ¹			
	X2-10GB-CX4	—	12.2(52)XO	
	X2-10GB-LX4			
	X2-10GB-LR	12.2(54)SG	12.2(52)XO	
	X2-10GB-SR			
WS-X45-SUP6L-E	X2-10GB-ER			
	X2-10GB-LRM			
	X2-10GB-ZR			
	DWDM X2	12.2(52)XO	12.2(52)XO	

Table 5 Catalyst 4XXX Switch Support and Minimum Software Release Requirements (continued)

Platform	Switch or Module	Transceiver Model	Minimum Software Release Required	
			DOM Support	Cisco IOS
Catalyst 4500 series (continued)	WS-X45-SUP6-E WS-X4606-X2-E	X2-10GB-CX4	—	12.2(40)SG
		X2-10GB-LX4		
		X2-10GB-LR	12.2(54)SG	12.2(40)SG
		X2-10GB-SR		
		X2-10GB-ER		
		X2-10GB-LRM		
		X2-10GB-ZR	12.2(54)SG	12.2(50)SG
		DWDM X2	12.2(50)SG	12.2(50)SG
	WS-X45-SUP6-E WS-X4606-X2-E (With CVR-X2-SFP10G converter for X2 ports)	SFP-10G-SR	12.2(54)SG	12.2(50)SG
		SFP-10G-LRM	12.2(54)SG	12.2(54)SG
		SFP-10G-LR		
		SFP-H10GB-CU1M ¹ SFP-H10GB-CU3M ¹ SFP-H10GB-CU5M ¹	—	12.2(53)SG1
	WS-X45-SUP6L-E (With CVR-X2-SFP10G converter for X2 ports)	SFP-10G-SR	12.2(54)SG	12.2(52)XO
		SFP-10G-LRM	12.2(54)SG	12.2(54)SG
		SFP-10G-LR		
SFP-H10GB-CU1M ¹ SFP-H10GB-CU3M ¹ SFP-H10GB-CU5M ¹		—	12.2(53)SG1	
WS-X4712-SFP+E WS-X45-SUP7-E	SFP-10G-SR	3.1.0SG	3.1.0SG	
	SFP-10G-LRM			
	SFP-10G-LR			
	SFP-H10GB-CU1M ¹ SFP-H10GB-CU3M ¹ SFP-H10GB-CU5M ¹	—	3.1.0SG	
	SFP-10G-ER	3.2.0SG	3.2.0SG	
	SFP-10G-ZR			
WS-X45-SUP7L-E	SFP-10G-SR	3.2.0XO	3.2.0XO	
	SFP-10G-LRM			
	SFP-10G-LR			
	SFP-10G-ER			
	SFP-10G-ZR			
	SFP-H10GB-CU1M ¹ SFP-H10GB-CU3M ¹ SFP-H10GB-CU5M ¹	—	3.2.0XO	

Table 5 Catalyst 4XXX Switch Support and Minimum Software Release Requirements (continued)

Platform	Switch or Module	Transceiver Model	Minimum Software Release Required	
			DOM Support	Cisco IOS
Catalyst 4500-X Series	WS-C4500X-32SFP+ WS-C4500X-F-32SFP+ WS-C4500X-40X-ES C4KX-NM-8SFP+	SFP-10G-SR SFP-10G-LRM SFP-10G-LR SFP-10G-ER SFP-10G-ZR ²	3.3.0SG	3.3.0SG
		SFP-H10GB-CU1M ¹ SFP-H10GB-CU3M ¹ SFP-H10GB-CU5M ¹	—	3.3.0SG
Catalyst 4900 Series	WS-C4948-10GE WS-C4928-10GE	X2-10GB-CX4	—	12.2(25)EW
		X2-10GB-LX4	—	12.2(25)EW
		X2-10GB-LR X2-10GB-SR X2-10GB-ER	12.2(54)SG	12.2(25)EW
		X2-10GB-LRM	12.2(54)SG	12.2(31)SGA
		X2-10GB-ZR DWDM X2	12.2(54)SG 12.2(50)SG	12.2(50)SG 12.2(50)SG
	WS-C4948-10GE WS-C4928-10GE (With CVR-X2-SFP10G converter for X2 ports)	SFP-H10GB-CU1M ¹ SFP-H10GB-CU3M ¹ SFP-H10GB-CU5M ¹	—	12.2(54)SG
		SFP-10G-SR AFP-10G-LRM SFP-10G-LR	12.2(54)SG	12.2(54)SG
	WS-C4948E	SFP-H10GB-CU1M ¹ SFP-H10GB-CU3M ¹ SFP-H10GB-CU5M ¹	—	12.2(54)SG
		SFP-10G-SR SFP-10G-LRM SFP-10G-LR	12.2(54)SG	12.2(54)SG
		SFP-10G-ER SFP-10G-ZR	15.0(2)SG	15.0(2)SG
WS-C4900M WS-X4904-10GE WS-X4908-10GE	X2-10GB-CX4 X2-10GB-LX4	—	12.2(40)XO or 12.2(44)SG	
	X2-10GB-LR X2-10GB-SR X2-10GB-ER X2-10GB-LRM	12.2(54)SG	12.2(40)XO or 12.2(44)SG	
	X2-10GB-ZR	12.2(54)SG	12.2(50)SG	
	DWDM X2	12.2(50)SG	12.2(50)SG	

Table 5 Catalyst 4XXX Switch Support and Minimum Software Release Requirements (continued)

Platform	Switch or Module	Transceiver Model	Minimum Software Release Required	
			DOM Support	Cisco IOS
Catalyst 4900 Series (continued)	WS-C4900M	SFP-10G-SR	12.2(54)SG	12.2(50)SG
	WS-X4904-10GE	SFP-10G-LRM	12.2(54)SG	12.2(54)SG
	WS-X4908-10GE	SFP-10G-LR		
	(With CVR-X2-SFP10G converter for X2 ports)	SFP-H10GB-CU1M ¹ SFP-H10GB-CU3M ¹ SFP-H10GB-CU5M ¹	—	12.2(53)SG1
Cisco ME 4900 Series	ME-4924-10GE	X2-10GB-CX4	—	12.2(31)SGA
		X2-10GB-LX4		
		X2-10GB-LR	12.2(54)SG	12.2(31)SGA
		X2-10GB-SR		
		X2-10GB-ER		
		X2-10GB-LRM		
	(With CVR-X2-SFP10G converter for X2 ports)	X2-10GB-ZR	12.2(54)SG	12.2(50)SG
		DWDM X2	12.2(50)SG	12.2(50)SG
ME-4924-10GE (With CVR-X2-SFP10G converter for X2 ports)	SFP-H10GB-CU1M ¹ SFP-H10GB-CU3M ¹ SFP-H10GB-CU5M ¹		—	12.2(54)SG
		SFP-10G-SR	12.2(54)SG	12.2(54)SG
		SFP-10G-LRM		
	SFP-10G-LR			

1. Only Version -02 or later is supported.
2. Not supported on ports 1 to 32 with back-to-front chassis airflow. Supported on ports 1 to 32 with front-to-back chassis airflow. Supported on uplink module with chassis airflow in either direction.

Table 6 Catalyst 6XXX Switch Support and Minimum Software Release Requirements

Platform	Switch or Module	Transceiver Model	Minimum Software Release Required		
			Catalyst Operating System	Cisco IOS	DOM Support
Catalyst 6500 series	WS-X6704-10GE WS-SUP32-10GE-3B	XENPAK-10GB-LR	8.1(2)	12.2(17a)SX	—
		XENPAK-10GB-LR+	8.1(2)	12.2(17a)SX	12.2(18)SXE
		XENPAK-10GB-LW	8.4(4)	12.2(18)SXE	12.2(18)SXE
		XENPAK-10GB-ER	8.2(1)	12.2(17a)SX	—
		XENPAK-10GB-ER+	8.2(1)	12.2(17a)SX	12.2(18)SXE
		XENPAK-10GB-LX4	8.2(1)	12.2(17a)SX1	—
		XENPAK-10GB-SR	8.3(1)	12.2(17a)SX1	—
		XENPAK-10GB-CX4	8.3(1)	12.2(17a)SXB1	—
		XENPAK-10GB-ZR	8.5(1)	12.2(18)SXF	12.2(18)SXF
		XENPAK-10GB-LRM	8.6	12.2(18)SXF11	12.2(18)SXF11
		DWDM XENPAK	8.5(1)	12.2(18)SXF	12.2(18)SXF
	WS-SUP32-10GE-PISA	XENPAK-10GB-LR XENPAK-10GB-LR+ XENPAK-10GB-LW XENPAK-10GB-ER XENPAK-10GB-ER+ XENPAK-10GB-LX4 XENPAK-10GB-SR XENPAK-10GB-CX4 XENPAK-10GB-ZR XENPAK-10GB-LRM DWDM XENPAK	—	12.2(18)ZY	12.2(18)ZY
	VS-S720-10G-3C VS-S720-10G-3CXL WS-X6716-10G-3C WS-X6716-10G-3CXL	X2-10GB-LR X2-10GB-SR X2-10GB-CX4 X2-10GB-ER X2-10GB-LX4 X2-10GB-LRM X2-10GB-ZR DWDM X2 X2-10GB-T	— — —	12.2(33)SXH2 12.2(33)SXI 12.2(33)SJI1	12.2(33)SXH2 12.2(33)SXI —

Table 6 Catalyst 6XXX Switch Support and Minimum Software Release Requirements (continued)

Platform	Switch or Module	Transceiver Model	Minimum Software Release Required		
			Catalyst Operating System	Cisco IOS	DOM Support
Catalyst 6500 series (continued)	WS-X6708-10G-3C WS-X6708-10G-3CXL	X2-10GB-LR	—	12.2(18)SXF5	12.2(18)SXF5
		X2-10GB-SR			
		X2-10GB-CX4			
		X2-10GB-ER			
		X2-10GB-LX4		12.2(18)SXF8	12.2(18)SXF8
		X2-10GB-LRM	—		
		X2-10GB-ZR	—	12.2(33)SXI	12.2(33)SXI
		DWDM X2			
		X2-10GB-T	—	12.2(33)SJI1	—
	VS-S720-10G-3C VS-S720-10G-3CXL WS-X6708-10G-3C WS-X6708-10G-3CXL WS-X6716-10G-3C WS-X6716-10G-3CXL (With CVR-X2-SFP10G converter for X2 ports)	SFP-H10GB-CU1M ¹ SFP-H10GB-CU3M ¹ SFP-H10GB-CU5M ¹ SFP-10G-SR SFP-10G-LRM SFP-10G-LR	— — — — — — —	— — 12.2(33)SXI2 12.2(33)SXI4 12.2(33)SXI4 12.2(33)SXJ1	12.2(33)SXI2 12.2(33)SXI2 12.2(33)SXI4 12.2(33)SXJ1
	VS-S2T-10G VS-S2T-10G-XL WS-X6816-10G-2T WS-X6816-10G-2TXL WS-X6908-10G-2T WS-X6908-10G-2TXL	X2-10GB-CX4 X2-10GB-SR X2-10GB-LRM X2-10GB-LX4 X2-10GB-LR X2-10GB-ER X2-10GB-ZR DWDM X2	— — — — — — — —	— 12.2(50)SY	12.2(50)SY 12.2(50)SY
	VS-S2T-10G VS-S2T-10G-XL WS-X6816-10G-2T WS-X6816-10G-2TXL WS-X6908-10G-2T WS-X6908-10G-2TXL (With CVR-X2-SFP10G converter for X2 ports)	SFP-H10GB-CU1M ¹ SFP-H10GB-CU3M ¹ SFP-H10GB-CU5M ¹ SFP-10G-SR SFP-10G-LRM SFP-10G-LR	— — — — — — —	— 12.2(50)SY	12.2(50)SY
	WS-X6904-40G-2T WS-X6904-40G-2TXL With CVR-CFP-4SFP10G FourX converter for CFP ports	SFP-H10GB-CU1M ¹ SFP-H10GB-CU3M ¹ SFP-H10GB-CU5M ¹ SFP-10G-SR SFP-10G-LRM SFP-10G-LR SFP-10G-ER	— — — — — — — —	— 15.0(1)SY1	15.0(1)SY1 15.0(1)SY1

1. Only Version -02 or later is supported.

Table 7 Metro Ethernet Support and Minimum Software Requirements

Platform	Switch or Module	Transceiver Model	Minimum Software Release Required	
			DOM Support	Cisco IOS Release
Cisco ME 3600X	ME-3600X-24TS-M ME-3600X-24FS-M (SFP+ ports)	SFP-H10GB-CU1M ¹ SFP-H10GB-CU3M ¹ SFP-H10GB-CU5M ¹	—	12.2(52)EY
		SFP-10G-SR SFP-10G-LRM SFP-10G-LR SFP-10G-ER	12.2(52)EY	12.2(52)EY
		SFP-10G-ZR	15.1(2)EY1	15.1(2)EY1
Cisco ME 3800X	ME-3800X-24FS-M (SFP+ ports)	SFP-H10GB-CU1M ¹ SFP-H10GB-CU3M ¹ SFP-H10GB-CU5M ¹	—	12.2(52)EY
		SFP-10G-SR SFP-10G-LRM SFP-10G-LR SFP-10G-ER	12.2(52)EY	12.2(52)EY
		SFP-10G-ZR	15.1(2)EY1	15.1(2)EY1

1. Only Version -02 or later is supported.

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