



# Cisco 10-Gigabit Ethernet Transceiver Modules Compatibility Matrix

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Revised: June 16, 2014



**Note**

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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.

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**Note**

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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 supersede the release notes.

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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 2XXX and 3XXX 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 Requirements](#)
- [Table 8, Wireless LAN Controller Support and Minimum Software Release Requirements](#)



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**Table 1 10-Gigabit Ethernet Transceiver Module Models**

<b>Model Number</b>	<b>Transceiver Description</b>
<b>SFP+ Transceivers</b>	
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
<b>DWDM SFP+ Transceivers</b>	
DWDM-SFP10G-61.41=	10GBASE-DWDM 1561.41 nm SFP+ (100-GHz ITU grid)
DWDM-SFP10G-60.61=	10GBASE-DWDM 1560.61 nm SFP+ (100-GHz ITU grid)
DWDM-SFP10G-59.79=	10GBASE-DWDM 1559.79 nm SFP+ (100-GHz ITU grid)
DWDM-SFP10G-58.98=	10GBASE-DWDM 1558.98 nm SFP+ (100-GHz ITU grid)
DWDM-SFP10G-58.17=	10GBASE-DWDM 1558.17 nm SFP+ (100-GHz ITU grid)
DWDM-SFP10G-57.36=	10GBASE-DWDM 1557.36 nm SFP+ (100-GHz ITU grid)
DWDM-SFP10G-56.55=	10GBASE-DWDM 1556.55 nm SFP+ (100-GHz ITU grid)
DWDM-SFP10G-55.75=	10GBASE-DWDM 1555.75 nm SFP+ (100-GHz ITU grid)
DWDM-SFP10G-54.94=	10GBASE-DWDM 1554.94 nm SFP+ (100-GHz ITU grid)
DWDM-SFP10G-54.13=	10GBASE-DWDM 1554.13 nm SFP+ (100-GHz ITU grid)
DWDM-SFP10G-53.33=	10GBASE-DWDM 1553.33 nm SFP+ (100-GHz ITU grid)
DWDM-SFP10G-52.52=	10GBASE-DWDM 1552.52 nm SFP+ (100-GHz ITU grid)
DWDM-SFP10G-51.72=	10GBASE-DWDM 1551.72 nm SFP+ (100-GHz ITU grid)

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

<b>Model Number</b>	<b>Transceiver Description</b>
<b>DWDM SFP+ Transceivers (continued)</b>	
DWDM-SFP10G-50.92=	10GBASE-DWDM 1550.92 nm SFP+ (100-GHz ITU grid)
DWDM-SFP10G-50.12=	10GBASE-DWDM 1550.12 nm SFP+ (100-GHz ITU grid)
DWDM-SFP10G-49.32=	10GBASE-DWDM 1549.32 nm SFP+ (100-GHz ITU grid)
DWDM-SFP10G-48.51=	10GBASE-DWDM 1548.51 nm SFP+ (100-GHz ITU grid)
DWDM-SFP10G-47.72=	10GBASE-DWDM 1547.72 nm SFP+ (100-GHz ITU grid)
DWDM-SFP10G-46.92=	10GBASE-DWDM 1546.92 nm SFP+ (100-GHz ITU grid)
DWDM-SFP10G-46.12=	10GBASE-DWDM 1546.12 nm SFP+ (100-GHz ITU grid)
DWDM-SFP10G-45.32=	10GBASE-DWDM 1545.32 nm SFP+ (100-GHz ITU grid)
DWDM-SFP10G-44.53=	10GBASE-DWDM 1544.53 nm SFP+ (100-GHz ITU grid)
DWDM-SFP10G-43.73=	10GBASE-DWDM 1543.73 nm SFP+ (100-GHz ITU grid)
DWDM-SFP10G-42.94=	10GBASE-DWDM 1542.94 nm SFP+ (100-GHz ITU grid)
DWDM-SFP10G-42.14=	10GBASE-DWDM 1542.14 nm SFP+ (100-GHz ITU grid)
DWDM-SFP10G-41.35=	10GBASE-DWDM 1541.35 nm SFP+ (100-GHz ITU grid)
DWDM-SFP10G-40.56=	10GBASE-DWDM 1540.56 nm SFP+ (100-GHz ITU grid)
DWDM-SFP10G-39.77=	10GBASE-DWDM 1539.77 nm SFP+ (100-GHz ITU grid)
DWDM-SFP10G-38.98=	10GBASE-DWDM 1538.98 nm SFP+ (100-GHz ITU grid)
DWDM-SFP10G-38.19=	10GBASE-DWDM 1538.19 nm SFP+ (100-GHz ITU grid)
DWDM-SFP10G-37.40=	10GBASE-DWDM 1537.40 nm SFP+ (100-GHz ITU grid)
DWDM-SFP10G-36.61=	10GBASE-DWDM 1536.61 nm SFP+ (100-GHz ITU grid)
DWDM-SFP10G-35.82=	10GBASE-DWDM 1535.82 nm SFP+ (100-GHz ITU grid)
DWDM-SFP10G-35.04=	10GBASE-DWDM 1535.04 nm SFP+ (100-GHz ITU grid)
DWDM-SFP10G-34.25=	10GBASE-DWDM 1534.25 nm SFP+ (100-GHz ITU grid)
DWDM-SFP10G-33.47=	10GBASE-DWDM 1533.47 nm SFP+ (100-GHz ITU grid)
DWDM-SFP10G-32.68=	10GBASE-DWDM 1532.68 nm SFP+ (100-GHz ITU grid)
DWDM-SFP10G-31.90=	10GBASE-DWDM 1531.90 nm SFP+ (100-GHz ITU grid)
DWDM-SFP10G-31.12=	10GBASE-DWDM 1531.12 nm SFP+ (100-GHz ITU grid)
DWDM-SFP10G-30.33=	10GBASE-DWDM 1530.33 nm SFP+ (100-GHz ITU grid)

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

<b>Model Number</b>	<b>Transceiver Description</b>
<b>XENPAK Transceivers</b>	
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)**

<b>Model Number</b>	<b>Transceiver Description</b>
<b>DWDM XENPAK Transceivers</b>	
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)**

<b>Model Number</b>	<b>Transceiver Description</b>
<b>X2 Transceivers</b>	
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
<b>DWDM X2 Transceivers</b>	
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)**

<b>Model Number</b>	<b>Transceiver Description</b>
<b>DWDM X2 Transceivers (continued)</b>	
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)
<b>XFP Transceivers</b>	
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)**

<b>Model Number</b>	<b>Transceiver Description</b>
<b>XFP Transceivers (continued)</b>	
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
<b>DWDM XFP Transceivers</b>	
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
<b>DWDM XFP Transceivers (continued)</b>	
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 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+ XENPAK-10GB-ER+	XR 3.3.3	XR 3.3.3
		XENPAK-10GB-ER	—	XR 3.2.2
		DWDM XENPAK	XR 3.0	XR 3.0
	4-10GE	XENPAK-10GB-LR+ XENPAK-10GB-ER+ DWDM XENPAK	XR 3.8.1	XR 3.8.1
	2-10GE-WL-FLEX	XFP-10G-MM-SR XFP-10GLR-OC192SR XFP-10GER-192IR+ XFP-10GZR-OC192LR DWDM XFP	XR 3.8.1	XR 3.8.1
	4-10GBE-WL-XFP 8-10GBE-WL-XFP	XFP10GLR-192SR-L XFP10GER-192IR-L	XR 3.8.4, 3.9.1	XR 3.8.4, 3.9.1
		XFP-10G-MM-SR <sup>2</sup> XFP-10GZR-OC192LR <sup>1</sup> DWDM XFP <sup>2</sup>	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 XFP10GER-192IR-L	XR 4.0	XR 4.0
		XFP-10G-MM-SR <sup>2</sup> XFP-10GZR-OC192LR <sup>1</sup> DWDM XFP <sup>2</sup>	XR 4.0.1	XR 4.0.1
		DWDM-XFP-C	XR 4.2.3	XR 4.2.3

**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 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 XFP-10GLR-OC192SR XFP-10GER-192IR+ XFP-10GZR-OC192LR <sup>2</sup> DWDM XFP	XR 3.7.3	XR 3.7.3
		DWDM-XFP-C	XR 4.0.1	XR 4.0.1
		XFP10GLR-192SR-L	XR 4.3.0	XR 4.3.0
	A9K-2T20GE-B A9K-2T20GE-E A9K-2T20GE-L A9K-4T-L A9K-8T/4-L A9K-8T-L A9K-8T-E	XFP-10G-MM-SR XFP-10GLR-OC192SR XFP-10GER-192IR+ XFP-10GZR-OC192LR <sup>2</sup> DWDM XFP	XR 3.9.0	XR 3.9.0
		DWDM-XFP-C	XR 4.0.1	XR 4.0.1
		XFP10GLR-192SR-L	XR 4.3.0	XR 4.3.0
	A9K-8T-B	XFP-10G-MM-SR XFP-10GLR-OC192SR XFP-10GER-192IR+ XFP-10GZR-OC192LR <sup>2</sup> DWDM XFP	XR 3.9.1	XR 3.9.1
		DWDM-XFP-C	XR 4.0.1	XR 4.0.1
		XFP10GLR-192SR-L	XR 4.3.0	XR 4.3.0
	A9K-SIP-700 with SPA-OC192POS-XFP	XFP-10GLR-OC192SR XFP-10GER-192IR+ XFP-10GZR-OC192LR <sup>2</sup> DWDM XFP	XR 4.0.0	XR 4.0.0
		DWDM-XFP-C	XR 4.0.1	XR 4.0.1
		XFP10GLR-192SR-L	XR 4.3.0	XR 4.3.0
A9K-16T/8-B	SFP-10G-SR SFP-10G-LR SFP-10G-ER	XR 3.9.1	XR 3.9.1	

**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-24X10GE-SE A9K-24X10GE-TR	SFP-10G-SR SFP-10G-SR-X SFP-10G-LR SFP-10G-LR-X SFP-10G-ER	XR 4.2.0	XR 4.2.0
		SFP-H10GB-ACU7M SFP-H10GB-ACU10M	—	XR 4.2.1
		SFP-10G-ZR DWDM SFP+	XR 4.2.3	XR 4.2.3
	A9K-36X10GE-SE A9K-36X10GE-TR	SFP-10G-SR SFP-10G-SR-X SFP-10G-LR SFP-10G-LR-X SFP-10G-ER	XR 4.2.0	XR 4.2.0
		SFP-H10GB-ACU7M SFP-H10GB-ACU10M	—	XR 4.2.1
		SFP-10G-ZR DWDM SFP+	XR 4.2.3	XR 4.2.3
	A9K-MPA-2X10GE A9K-MPA-4X10GE	XFP-10G-MM-SR XFP-10GLR-OC192SR XFP-10GER-192IR+ XFP-10GZR-OC192LR <sup>2</sup> DWDM XFP DWDM-XFP-C	XR 4.2.0	XR 4.2.0
		XFP10GLR-192SR-L XFP10GER-192IR-L	XR 4.3.0	XR 4.3.0
	A9K-RSP440-TR A9K-RSP440-SE	SFP-H10GB-ACU7M <sup>2</sup> SFP-H10GB-ACU10M <sup>2</sup>	—	XR 4.2.1
		SFP-10G-SR SFP-10G-LR SFP-10G-ER	XR 4.2.1	XR 4.2.1
	ASR-9001	SFP-10G-SR SFP-10G-LR SFP-10G-ER	XR 4.2.1	XR 4.2.1
		SFP-10G-ZR DWDM SFP+	XR 5.1.1	XR 5.1.1

**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
ASR9000v Series Router	ASR-9000V-AC ASR-9000V-DC-A ASR-9000V-DC-E	SFP-10G-SR SFP-10G-SR-X SFP-10G-LR SFP-10G-LR-X SFP-10G-ER SFP-H10GB-ACU7M SFP-H10GB-ACU10M SFP-10G-ZR DWDM SFP+	XR 5.1.0	XR 5.1.0
ASR 1000 Series Router	ASR 1000 platform with SPA cards	Software support on the ASR 1000 modular platforms is determined by the platform on which the SPA is installed. Refer to the SPA release notes for the correct software release. <a href="http://www.cisco.com/en/US/docs/interfaces_modules/shared_port_adapters/configuration/ASR1000/ASRspasw.pdf">http://www.cisco.com/en/US/docs/interfaces_modules/shared_port_adapters/configuration/ASR1000/ASRspasw.pdf</a>		
Cisco ASR 901 Series	A901-6CZ-F-D A901-6-CZ-FT-D A901-6CZ-F-A A901-6-CZ-FT-A (SFP+ ports)	SFP-10G-SR SFP-10G-LRM SFP-10G-LR SFP-10G-ER SFP-10G-ZR SFP-10G-SR-X SFP-10G-LR-X	15.2(2)SNH1	15.2(2)SNH1
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
Cisco 7600 Series Router	7600-ES20-10G3C 7600-ES20-10G3CXL	XFP-10GLR-OC192SR XFP-10GER-OC192IR	12.2(33)SRB	12.2(33)SRB
		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

**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)	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
	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			

**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)	WS-X6704-10GE	XENPAK-10GB-CX4 XENPAK-10GB-LX4 XENPAK-10GB-SR XENPAK-10GB-LR XENPAK-10GB-ER	—	12.2(33)SRA
		XENPAK-10GB-LW XENPAK-10GB-LR+ XENPAK-10GB-ER+ XENPAK-10GB-ZR DWDM XENPAK	12.2(33)SRA	12.2(33)SRA
Cisco RF Gateway Series	RFGW-X4516-10GE	X2-10GB-SR X2-10GB-LR	12.2(44)SQ	12.2(44)SQ
Cisco NCS 6000 Series Router	NCS-6008	SFP-10G-SR	XR 5.0.0	XR 5.0.0
	NC6-60X10GE-L-S NC6-60X10GE-M-S	SFP-10G-SR-X SFP-10G-LR SFP-10G-LR-X SFP-10G-ER SFP-10G-ZR	XR 5.0.1	XR 5.0.1

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 <sup>1</sup>	—	12.2(53)EY
		SFP-H10GB-CU3M <sup>1</sup>		
		SFP-H10GB-CU5M <sup>1</sup>		
		SFP-10G-SR		
		SFP-10G-LRM SFP-10G-LR		
Cisco Catalyst 3100 Blade Switches	WS-CBS3110X-S-I	X2-10GB-CX4	—	12.2(40)EX1
		X2-10GB-SR X2-10GB-LX4		
	WS-CBS3120X-S WS-CBS3130X-S	X2-10GB-LRM X2-10GB-LR	—	12.2(46)SE
		X2-10GB-CX4 X2-10GB-SR X2-10GB-LRM	—	12.2(40)EX3
	X2-10GB-LX4 X2-10GB-LR	12.2(46)SE		
	WS-CBS3110X-S-I WS-CBS3120X-S WS-CBS3130X-S (With CVR-X2-SFP10G converter for X2 ports)	SFP-10G-SR SFP-10G-LR SFP-10G-LRM SFP-H10GB-CU1M <sup>1</sup> SFP-H10GB-CU3M <sup>1</sup> SFP-H10GB-CU5M <sup>1</sup>	—	12.2(55)SE1

**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 SFP-10G-LR	NX-OS 4.0(1a)N2(1)	NX-OS 4.0(1a)N2(1)
		SFP-H10GB-CU1M SFP-H10GB-CU3M SFP-H10GB-CU5M	—	NX-OS 4.0(1a)N2(1)
		SFP-H10GB-ACU7M SFP-H10GB-ACU10M	—	NX-OS 4.2(1)N2(1)
		SFP-10G-ER	NX-OS 5.1(3)N1(1)	NX-OS 5.1(3)N1(1)
	N2K-C2248TP-1GE N2K-C2232PP-10GE	SFP-10G-SR SFP-10G-LR FET-10G <sup>2</sup>	NX-OS 4.2(1)N1(1)	NX-OS 4.2(1)N1(1)
		SFP-H10GB-CU1M SFP-H10GB-CU3M SFP-H10GB-CU5M	—	NX-OS 4.2(1)N1(1)
		SFP-H10GB-ACU7M SFP-H10GB-ACU10M	—	NX-OS 4.2(1)N2(1)
		SFP-10G-ER	NX-OS 5.1(3)N1(1)	NX-OS 5.1(3)N1(1)
	N2K-C2224TP-1GE	SFP-10G-SR SFP-10G-LR FET-10G <sup>2</sup>	NX-OS 4.2(1)N2(1)	NX-OS 4.2(1)N2(1)
		SFP-H10GB-CU1M SFP-H10GB-CU3M SFP-H10GB-CU5M SFP-H10GB-ACU7M SFP-H10GB-ACU10M	—	NX-OS 4.2(1)N2(1)
		SFP-10G-ER	NX-OS 5.1(3)N1(1)	NX-OS 5.1(3)N1(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 (continued)	N2K-C2232TM-10GE	SFP-10G-SR SFP-10G-LR FET-10G <sup>2</sup>	NX-OS 5.0(3)N2(1)	NX-OS 5.0(3)N2(1)
		SFP-H10GB-CU1M SFP-H10GB-CU3M SFP-H10GB-CU5M SFP-H10GB-ACU7M SFP-H10GB-ACU10M	—	NX-OS 5.0(3)N2(1)
		SFP-10G-ER	NX-OS 5.1(3)N1(1)	NX-OS 5.1(3)N1(1)
	N2K-C2248TP-E-1GE	SFP-10G-SR SFP-10G-LR FET-10G <sup>2</sup> SFP-10G-ER	NX-OS 5.1(3)N1(1)	NX-OS 5.1(3)N1(1)
		SFP-H10GB-CU1M SFP-H10GB-CU3M SFP-H10GB-CU5M SFP-H10GB-ACU7M SFP-H10GB-ACU10M	—	NX-OS 5.1(3)N1(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 3000 Series	N3K-C3064PQ	SFP-10G-SR SFP-10G-LR	NX-OS 5.0(3)U1(1a)	NX-OS 5.0(3)U1(1a)
		SFP-H10GB-CU1M SFP-H10GB-CU3M SFP-H10GB-CU5M	—	NX-OS 5.0(3)U1(1d)
		SFP-10G-ER	NX-OS 5.0(3)U2(2c)	NX-OS 5.0(3)U2(2c)
		SFP-10G-AOC1M SFP-10G-AOC2M SFP-10G-AOC3M SFP-10G-AOC5M SFP-10G-AOC7M SFP-10G-AOC10M	—	NX-OS 5.0(3)U5(1)
	N3K-C3064PQ-10GE	SFP-10G-SR SFP-10G-LR	NX-OS 5.0(3)U1(2)	NX-OS 5.0(3)U1(2)
		SFP-H10GB-CU1M SFP-H10GB-CU3M SFP-H10GB-CU5M	—	NX-OS 5.0(3)U1(2)
		SFP-10G-ER	NX-OS 5.0(3)U2(2c)	NX-OS 5.0(3)U2(2c)
		SFP-H10GB-ACU7M SFP-H10GB-ACU10M	—	NX-OS 5.0(3)U3(2b)
		SFP-10G-ZR DWDM SFP+	NX-OS 5.0(3)U3(2b)	NX-OS 5.0(3)U3(2b)
		SFP-10G-AOC1M SFP-10G-AOC2M SFP-10G-AOC3M SFP-10G-AOC5M SFP-10G-AOC7M SFP-10G-AOC10M	—	NX-OS 5.0(3)U5(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 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)
		SFP-H10GB-ACU7M SFP-H10GB-ACU10M	—	NX-OS 5.0(3)U3(2b)
		SFP-10G-ZR DWDM SFP+	NX-OS 5.0(3)U4(1)	NX-OS 5.0(3)U4(1)
		SFP-10G-AOC1M SFP-10G-AOC2M SFP-10G-AOC3M SFP-10G-AOC5M SFP-10G-AOC7M SFP-10G-AOC10M	—	NX-OS 5.0(3)U5(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)
		SFP-H10GB-ACU7M SFP-H10GB-ACU10M	—	NX-OS 5.0(3)U3(2b)
		SFP-10G-ZR DWDM SFP+	NX-OS 5.0(3)U4(1)	NX-OS 5.0(3)U4(1)
		SFP-10G-AOC1M SFP-10G-AOC2M SFP-10G-AOC3M SFP-10G-AOC5M SFP-10G-AOC7M SFP-10G-AOC10M	—	NX-OS 5.0(3)U5(1)
	N3K-C3548P-10G	SFP-10G-SR SFP-10G-LR SFP-10G-ER	NX-OS 5.0(3)A1(1)	NX-OS 5.0(3)A1(1)
		SFP-H10GB-CU1M SFP-H10GB-CU3M SFP-H10GB-CU5M SFP-H10GB-ACU7M SFP-H10GB-ACU10M	—	NX-OS 5.0(3)A1(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 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)
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 SFP-H10GB-CU3M 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 SFP-H10GB-ACU10M	—	NX-OS 4.2(1)N2(1)
		FET-10G <sup>2</sup>	NX-OS 4.2(1)N1(1)	NX-OS 4.2(1)N1(1)
	N5K-C5010P-BF	SFP-10G-SR SFP-10G-LR	NX-OS 4.0(1a)N1(1)	NX-OS 4.0(1a)N1(1)
		SFP-H10GB-CU1M SFP-H10GB-CU3M SFP-H10GB-CU5M	—	NX-OS 4.0(1a)N1(1)
		SFP-H10GB-ACU7M SFP-H10GB-ACU10M	—	NX-OS 4.2(1)N2(1)
		FET-10G <sup>2</sup>	NX-OS 4.2(1)N1(1)	NX-OS 4.2(1)N1(1)
	N5K-C5548P-FA N55-M16P N55-M8P8FP	SFP-10G-SR SFP-10G-LR	NX-OS 5.0(2)N1(1)	NX-OS 5.0(2)N1(1)
		SFP-H10GB-CU1M SFP-H10GB-CU3M SFP-H10GB-CU5M SFP-H10GB-ACU7M SFP-H10GB-ACU10M	—	NX-OS 5.0(2)N1(1)
		FET-10G <sup>2</sup>	NX-OS 5.0(2)N1(1)	NX-OS 5.0(2)N1(1)
		SFP-10G-ER	NX-OS 5.1(3)N1(1)	NX-OS 5.1(3)N1(1)
		N5K-C5548P-FA N55-M16UP	SFP-10G-SR SFP-10G-LR FET-10G <sup>2</sup>	NX-OS 5.0(3)N1(1B)
	SFP-H10GB-CU1M SFP-H10GB-CU3M SFP-H10GB-CU5M SFP-H10GB-ACU7M SFP-H10GB-ACU10M		—	NX-OS 5.0(3)N1(1B)
SFP-10G-ER	NX-OS 5.1(3)N1(1)		NX-OS 5.1(3)N1(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 (continued)	N5K-C5548UP-FA N5K-C5596UP-FA N55-M16UP	SFP-10G-SR SFP-10G-LR FET-10G <sup>2</sup>	NX-OS 5.0(3)N1(1B)	NX-OS 5.0(3)N1(1B)
	N55-M16P N55-M8P8FP	SFP-H10GB-CU1M SFP-H10GB-CU3M SFP-H10GB-CU5M SFP-H10GB-ACU7M SFP-H10GB-ACU10M	—	NX-OS 5.0(3)N1(1B)
		SFP-10G-ER	NX-OS 5.1(3)N1(1)	NX-OS 5.1(3)N1(1)
Cisco Unified Computing System	N10-S6100 N10-E0440 N10-E0600 N20-I6584	SFP-10G-SR SFP-10G-LR	UCS Manager v1.0(1)	UCS Manager v1.0(1)
		SFP-H10GB-CU1M SFP-H10GB-CU3M SFP-H10GB-CU5M	— — —	UCS Manager v1.0(1)
		SFP-H10GB-ACU7M SFP-H10GB-ACU10M	— —	UCS Manager v1.4(2)
	N10-S6200 N10-E0440 N10-E0600 N20-I6584	SFP-10G-SR SFP-10G-LR	UCS Manager v1.1(1)	UCS Manager v1.1(1)
		SFP-H10GB-CU1M SFP-H10GB-CU3M SFP-H10GB-CU5M	— — —	UCS Manager v1.1(1)
		SFP-H10GB-ACU7M SFP-H10GB-ACU10M	— —	UCS Manager v1.4(2)
	UCS-FI-6248UP UCS-FI-E16UP UCS-IOM-2208XP	SFP-10G-SR SFP-10G-LR FET-10G <sup>2</sup>	UCS Manager v2.0(1)	UCS Manager v2.0(1)
		SFP-H10GB-CU1M SFP-H10GB-CU3M SFP-H10GB-CU5M SFP-H10GB-ACU7M SFP-H10GB-ACU10M	—	UCS Manager v2.0(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 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 <sup>2</sup>	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 <sup>1</sup> SFP-H10GB-ACU10M <sup>1</sup>	—	NX-OS 5.1(2)
	N7K-M108X2-12L	X2-10GB-SR X2-10GB-LR X2-10GB-LRM X2-10GB-ER DWDM X2	NX-OS 5.0	NX-OS 5.0
		X2-10GB-ZR	NX-OS 5.1	NX-OS 5.1
		X2-10GB-CX4 X2-10GB-LX4	—	NX-OS 5.1
	N7K-M108X2-12L (With CVR-X2-SFP10G converter for X2 ports)	SFP-H10GB-CU1M <sup>1</sup> SFP-H10GB-CU3M <sup>1</sup> SFP-H10GB-CU5M <sup>1</sup>	—	NX-OS 5.2
		SFP-10G-SR	NX-OS 5.2	NX-OS 5.2
	N7K-M108X2-12L (With OneX converter)	SFP-10G-LR SFP-10G-LRM	NX-OS 5.2(3a)	NX-OS 5.2(3a)

**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-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 <sup>1</sup> SFP-H10GB-CU3M <sup>1</sup> SFP-H10GB-CU5M <sup>1</sup> SFP-H10GB-ACU7M SFP-H10GB-ACU10M	—	NX-OS 5.1	
		FET-10G <sup>2</sup>	NX-OS 5.1	NX-OS 5.1	
		SFP-10G-ZR <sup>1</sup> DWDM SFP+	NX-OS 6.1(1)	NX-OS 6.1(1)	
		SFP-H10GB-CU1-5M SFP-H10GB-CU2M SFP-H10GB-CU2-5M SFP-10G-AOC1M SFP-10G-AOC2M SFP-10G-AOC3M SFP-10G-AOC5M SFP-10G-AOC7M SFP-10G-AOC10M	NX-OS 6.2(2)	NX-OS 6.2(2)	
		N7K-F132XP-15	SFP-10G-SR SFP-10G-LRM SFP-10G-LR <sup>1</sup>	NX-OS 5.1	NX-OS 5.1
		SFP-H10GB-CU1M <sup>1</sup> SFP-H10GB-CU3M <sup>1</sup> SFP-H10GB-CU5M <sup>1</sup> SFP-H10GB-ACU7M SFP-H10GB-ACU10M	—	NX-OS 5.1	
		SFP-10G-ER	NX-OS 5.2	NX-OS 5.2	
		SFP-10G-ZR <sup>1</sup> DWDM SFP+	NX-OS 6.1(1)	NX-OS 6.1(1)	
		SFP-H10GB-CU1-5M SFP-H10GB-CU2M SFP-H10GB-CU2-5M SFP-10G-AOC1M SFP-10G-AOC2M SFP-10G-AOC3M SFP-10G-AOC5M SFP-10G-AOC7M SFP-10G-AOC10M	NX-OS 6.2(2)	NX-OS 6.2(2)	

**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-F248XP-25	SFP-10G-SR SFP-10G-LRM SFP-10G-LR <sup>1</sup> SFP-10G-ER FET-10G <sup>2</sup>	NX-OS 6.0	NX-OS 6.0
		SFP-H10GB-CU1M <sup>1</sup> SFP-H10GB-CU3M <sup>1</sup> SFP-H10GB-CU5M <sup>1</sup> SFP-H10GB-ACU7M SFP-H10GB-ACU10M	—	NX-OS 6.0
		SFP-10G-ZR <sup>1</sup> DWDM SFP+	NX-OS 6.1(1)	NX-OS 6.1(1)
		SFP-H10GB-CU1-5M SFP-H10GB-CU2M SFP-H10GB-CU2-5M SFP-10G-AOC1M SFP-10G-AOC2M SFP-10G-AOC3M SFP-10G-AOC5M SFP-10G-AOC7M SFP-10G-AOC10M	NX-OS 6.2(2)	NX-OS 6.2(2)
	N7K-F248XP-25E	SFP-10G-SR SFP-10G-LRM SFP-10G-LR <sup>1</sup> SFP-10G-ER FET-10G <sup>2</sup>	NX-OS 6.1(2)	NX-OS 6.1(2)
		SFP-H10GB-CU1M <sup>1</sup> SFP-H10GB-CU3M <sup>1</sup> SFP-H10GB-CU5M <sup>1</sup> SFP-H10GB-ACU7M SFP-H10GB-ACU10M	—	NX-OS 6.1(2)
		SFP-10G-ZR <sup>1</sup> DWDM SFP+	NX-OS 6.1(2)	NX-OS 6.1(2)
		SFP-H10GB-CU1-5M SFP-H10GB-CU2M SFP-H10GB-CU2-5M SFP-10G-AOC1M SFP-10G-AOC2M SFP-10G-AOC3M SFP-10G-AOC5M SFP-10G-AOC7M SFP-10G-AOC10M	NX-OS 6.2(2)	NX-OS 6.2(2)

**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)	N77-F248XP-23E	SFP-10G-SR	NX-OS 6.2(2)	NX-OS 6.2(2)		
		SFP-10G-LRM				
		SFP-10G-LR <sup>1</sup>				
		SFP-10G-ER				
		SFP-10G-ZR <sup>1</sup>				
		DWDM SFP+				
		FET-10G <sup>2</sup>				
		SFP-H10GB-CU1M <sup>1</sup>				
		SFP-H10GB-CU1-5M				
		SFP-H10GB-CU2M				
SFP-H10GB-CU2-5M						
SFP-H10GB-CU3M <sup>1</sup>						
SFP-H10GB-CU5M <sup>1</sup>						
SFP-H10GB-ACU7M						
SFP-H10GB-ACU10M						
SFP-10G-AOC1M						
SFP-10G-AOC2M						
SFP-10G-AOC3M						
SFP-10G-AOC5M						
SFP-10G-AOC7M						
SFP-10G-AOC10M						
	N7K-M224XP-23L	SFP-10G-SR	NX-OS 6.1(1)	NX-OS 6.1(1)		
		SFP-10G-LRM				
		SFP-10G-LR <sup>1</sup>				
		SFP-10G-ER				
		FET-10G <sup>2</sup>				
		SFP-H10GB-CU1M <sup>1</sup>			—	NX-OS 6.1(1)
		SFP-H10GB-CU3M <sup>1</sup>				
		SFP-H10GB-CU5M <sup>1</sup>				
		SFP-H10GB-ACU7M				
		SFP-H10GB-ACU10M				
SFP-10G-ZR <sup>1</sup>	NX-OS 6.1(1)	NX-OS 6.1(1)				
DWDM SFP+						
SFP-H10GB-CU1-5M	NX-OS 6.2(2)	NX-OS 6.2(2)				
SFP-H10GB-CU2M						
SFP-H10GB-CU2-5M						
SFP-10G-AOC1M						
SFP-10G-AOC2M						
SFP-10G-AOC3M						
SFP-10G-AOC5M						
SFP-10G-AOC7M						
SFP-10G-AOC10M						

**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)	N77-F348XP-23	FET-10G SFP-10G-SR SFP-10G-LR SFP-10G-ER SFP-10G-ZR DWDM SFP+	NX-OS 6.2(6)	NX-OS 6.2(6)
		SFP-10G-LRM <sup>3</sup>	NX-OS 6.2(8)	NX-OS 6.2(8)
		SFP-H10GB-CU1M SFP-H10GB-CU1-5M SFP-H10GB-CU2M SFP-H10GB-CU2-5M SFP-H10GB-CU3M SFP-H10GB-CU5M SFP-H10GB-ACU7M SFP-H10GB-ACU10M	—	NX-OS 6.2(8)
		SFP-10G-AOC1M SFP-10G-AOC2M SFP-10G-AOC3M SFP-10G-AOC5M SFP-10G-AOC7M SFP-10G-AOC10M	—	NX-OS 6.2(10)
Cisco Nexus 9000 Series (Modular 9500)	N9K-X9636PQ	SFP-10G-SR SFP-10G-LR	6.1(2)I1(1)	6.1(2)I1(1)
	N9K-X9564PX	SFP-H10GB-CU1M SFP-H10GB-CU2M	6.1(2)I2(1)	6.1(2)I2(1)
	N9K-X9536PQ N9K-X9432PQ N9K-X9464PX N9K-X9464TX	SFP-H10GB-CU3M SFP-H10GB-CU5M SFP-H10GB-ACU7M SFP-H10GB-ACU10M	6.1(2)I2(2a)	6.1(2)I2(2a)
Cisco Nexus 9000 Series (Fixed 9300)	N9K-C93128TX N9K-C9396PX	SFP-10G-SR SFP-10G-LR SFP-H10GB-CU1M SFP-H10GB-CU2M SFP-H10GB-CU3M SFP-H10GB-CU5M SFP-H10GB-ACU7M SFP-H10GB-ACU10M	6.1(2)I2(1)	6.1(2)I2(1)
		FET-10G	6.1(2)I2(3)	6.1(2)I2(3)
Cisco MDS 9000 Series	Refer to the <a href="#">Cisco MDS 9000 Family Pluggable Transceivers Data Sheet</a>			

1. Only Version -02 or later is supported.
2. Supported for fabric links only, from a Nexus 2000 Series to a Cisco parent switch.
3. MMF support on ports 41 to 48 only, SMF support on all ports

**Table 4 Catalyst 2XXX and 3XXX 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 <sup>1</sup> SFP-H10GB-CU3M <sup>1</sup> SFP-H10GB-CU5M <sup>1</sup>	—	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 2960-X Series	WS-C2960X-24TD-L WS-C2960X-24PD-L WS-C2960X-48TD-L WS-C2960X-48LPD-L WS-C2960X-48FPD-L	SFP-10G-LR SFP-10G-SR SFP-10G-LRM SFP-10G-ER SFP-H10GB-CU1M SFP-H10GB-CU1-5M SFP-H10GB-CU2M SFP-H10GB-CU2-5M SFP-H10GB-CU3M SFP-H10GB-CU5M	15.0(2)EX	15.0(2)EX
Catalyst 2960-XR Series	WS-C2960XR-24TD-I WS-C2960XR-48TD-I WS-C2960XR-24PD-I WS-C2960XR-48LPD-I WS-C2960XR-48FPD-I	SFP-10G-LR SFP-10G-SR SFP-10G-LRM SFP-10G-ER SFP-H10GB-CU1M SFP-H10GB-CU1-5M SFP-H10GB-CU2M SFP-H10GB-CU2-5M SFP-H10GB-CU3M SFP-H10GB-CU5M	15.0(2)EX1	15.0(2)EX1

**Table 4 Catalyst 2XXX and 3XXX Switch Support and Minimum Software Release Requirements (continued)**

Platform	Switch or Module	Transceiver Model	Minimum Software Release Required	
			DOM Support	Cisco IOS Release
Catalyst 3560-E Series	WS-C3560E-24TD WS-C3560E-24PD WS-C3560E-48TD WS-C3560E-48PD WS-C3560E-48PDF	X2-10GB-LR	12.2(46)SE	12.2(35)SE2
		X2-10GB-ER		
		X2-10GB-LX4		
		X2-10GB-SR		
		X2-10GB-CX4	12.2(46)SE	12.2(40)SE
		X2-10GB-LRM		
		X2-10GB-ZR		
		DWDM X2		
	WS-C3560E-12D WS-C3560E-12SD	X2-10GB-LR	12.2(46)SE	12.2(40)EX
		X2-10GB-ER		
		X2-10GB-LX4		
		X2-10GB-SR		
	X2-10GB-CX4	12.2(50)SE	12.2(50)SE	
	X2-10GB-LRM			
	X2-10GB-ZR			
	DWDM X2			
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	12.2(55)SE1	12.2(55)SE1	
	SFP-10G-LR			
	SFP-10G-LRM			
		SFP-H10GB-CU1M <sup>1</sup>	—	12.2(55)SE1
		SFP-H10GB-CU3M <sup>1</sup>		
		SFP-H10GB-CU5M <sup>1</sup>		
Catalyst 3560-X Series	WS-C3560X-24T WS-C3560X-48T WS-C3560X-24P WS-C3560X-48P WS-C3560X-48PF (With C3KX-NM-10G and C3KX-SM-10G uplink modules)	SFP-H10GB-CU1M <sup>1</sup>	—	12.2(53)SE
		SFP-H10GB-CU3M <sup>1</sup>		
		SFP-H10GB-CU5M <sup>1</sup>		
		SFP-10G-SR	12.2(53)SE	12.2(53)SE
		SFP-10G-LRM		
		SFP-10G-LR		
	SFP-10G-ER	15.0(2)SE	15.0(2)SE	
Catalyst 3650 Series	WS-C3650-24TD WS-C3650-48TD WS-C3650-24PD WS-C3650-48PD	SFP-H10GB-CU1M <sup>1</sup>	—	XE 3.3.0SE
		SFP-H10GB-CU3M <sup>1</sup>		
		SFP-H10GB-CU5M <sup>1</sup>		
	WS-C3650-48PD WS-C3650-48FD WS-C3650-48FQ WS-C3650-48PQ WS-C3650-48TQ	SFP-10G-SR	XE 3.3.0SE	XE 3.3.0SE
		SFP-10G-LRM		
		SFP-10G-LR		
		SFP-10G-ER		
	SFP-10G-ZR DWDM SFP+	XE 3.3.3SE	XE 3.3.3SE	

**Table 4 Catalyst 2XXX and 3XXX 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 Series	WS-C3750G-16TD	XENPAK-10GB-ER C3-XENPAK10GB-LR	—	12.2(18)SE
Catalyst 3750-E Series	WS-C3750E-24TD WS-C3750E-24PD WS-C3750E-48TD WS-C3750E-48PD WS-C3750E-48PDF	X2-10GB-LR	12.2(46)SE	12.2(35)SE2
		X2-10GB-ER		
		X2-10GB-LX4		
		X2-10GB-SR		
	WS-C3750E-24TD WS-C3750E-24PD WS-C3750E-48TD WS-C3750E-48PD WS-C3750E-48PDF (With CVR-X2-SFP10G converter for X2 ports)	X2-10GB-LRM	12.2(46)SE	12.2(40)SE
		X2-10GB-ZR	12.2(50)SE	12.2(50)SE
		DWDM X2	12.2(52)SE	12.2(52)SE
		SFP-10G-SR	12.2(55)SE1	12.2(55)SE1
SFP-10G-LR				
SFP-10G-LRM				
Catalyst 3750-X Series	WS-C3750X-24T WS-C3750X-48T WS-C3750X-24P WS-C3750X-48P WS-C3750X-48PF (With C3KX-NM-10G and C3KX-SM-10G uplink modules)	SFP-H10GB-CU1M <sup>1</sup>	—	12.2(53)SE
		SFP-H10GB-CU3M <sup>1</sup>		
		SFP-H10GB-CU5M <sup>1</sup>		
	WS-C3750X-12S WS-C3750X-24S (With C3KX-NM-10G and C3KX-SM-10G uplink modules)	SFP-10G-SR	12.2(53)SE	12.2(53)SE
		SFP-10G-LRM		
		SFP-10G-LR		
	WS-C3750X-12S WS-C3750X-24S (With C3KX-NM-10G and C3KX-SM-10G uplink modules)	SFP-10G-ER	15.0(2)SE	15.0(2)SE
		SFP-H10GB-CU1M <sup>1</sup>	—	12.2(55)SE5
SFP-H10GB-CU3M <sup>1</sup>				
SFP-H10GB-CU5M <sup>1</sup>				
WS-C3750X-12S WS-C3750X-24S (With C3KX-NM-10G and C3KX-SM-10G uplink modules)	SFP-10G-SR	12.2(55)SE5	12.2(55)SE5	
	SFP-10G-LRM			
	SFP-10G-LR			
WS-C3750X-12S WS-C3750X-24S (With C3KX-NM-10G and C3KX-SM-10G uplink modules)	SFP-10G-ER	15.0(2)SE	15.0(2)SE	
	SFP-10G-SR	—	XE 3.2.0SE	
	SFP-H10GB-CU3M <sup>1</sup>			
SFP-H10GB-CU5M <sup>1</sup>				
Catalyst 3850 Series	C3850-NM-2-10G C3850-NM-4-10G	SFP-10G-SR	XE 3.2.0SE	XE 3.2.0SE
		SFP-10G-LRM		
		SFP-10G-LR		
Catalyst 3850 Series	C3850-NM-2-10G C3850-NM-4-10G	SFP-10G-ER	XE 3.3.3SE	XE 3.3.3SE
		SFP-10G-ZR		
		DWDM SFP+		

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 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	12.2(54)SG	12.2(50)SG
		DWDM X2	12.2(50)SG	12.2(50)SG
	WS-X4516-10GE (With CVR-X2-SFP10G converter for X2 ports)	SFP-10G-SR SFP-10G-LRM SFP-10G-LR	12.2(54)SG	12.2(54)SG
		SFP-H10GB-CU1M <sup>1</sup> SFP-H10GB-CU3M <sup>1</sup> SFP-H10GB-CU5M <sup>1</sup>	—	12.2(54)SG
	WS-X4013+10GE	X2-10GB-CX4 X2-10GB-LX4	—	12.2(25)SG
		X2-10GB-LR X2-10GB-SR X2-10GB-ER	12.(54)SG	12.2(25)SG
		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-X4013+10GE (With CVR-X2-SFP10G converter for X2 ports)	SFP-10G-SR SFP-10G-LRM SFP-10G-LR	12.2(54)SG	12.2(54)SG
		SFP-H10GB-CU1M <sup>1</sup> SFP-H10GB-CU3M <sup>1</sup> SFP-H10GB-CU5M <sup>1</sup>	—	12.2(54)SG
	WS-X45-SUP6L-E	X2-10GB-CX4 X2-10GB-LX4	—	12.2(52)XO
		X2-10GB-LR X2-10GB-SR X2-10GB-ER X2-10GB-LRM X2-10GB-ZR	12.2(54)SG	12.2(52)XO
		X2-10GB-T	15.1(2)SG	15.1(2)SG
		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
		X2-10GB-T	15.1(2)SG	15.1(2)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 <sup>1</sup> SFP-H10GB-CU3M <sup>1</sup> SFP-H10GB-CU5M <sup>1</sup>	—	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 <sup>1</sup> SFP-H10GB-CU3M <sup>1</sup> SFP-H10GB-CU5M <sup>1</sup>	—	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 <sup>1</sup> SFP-H10GB-CU3M <sup>1</sup> SFP-H10GB-CU5M <sup>1</sup>		—	3.1.0SG	
SFP-10G-ER SFP-10G-ZR		3.2.0SG	3.2.0SG	
WS-X45-SUP7L-E	SFP-10G-SR SFP-10G-LRM SFP-10G-LR SFP-10G-ER SFP-10G-ZR	3.2.0XO	3.2.0XO	
	SFP-H10GB-CU1M <sup>1</sup> SFP-H10GB-CU3M <sup>1</sup> SFP-H10GB-CU5M <sup>1</sup>	—	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 series (continued)	WS-X45-SUP8-E	SFP-10G-SR SFP-10G-LRM SFP-10G-LR SFP-10G-ER SFP-10G-ZR	3.3.0XO	3.3.0XO
		SFP-H10GB-CU1M <sup>1</sup> SFP-H10GB-CU3M <sup>1</sup> SFP-H10GB-CU5M <sup>1</sup>	—	3.3.0XO
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 <sup>2</sup>	3.3.0SG	3.3.0SG
		DWDM SFP+	15.2(1)E	15.2(1)E
		SFP-H10GB-CU1M <sup>1</sup> SFP-H10GB-CU3M <sup>1</sup> SFP-H10GB-CU5M <sup>1</sup>	—	3.3.0SG
	WS-C4500X-16SFP+ WS-C4500X-F-16SFP+ WS-C4500X-24X-ES	SFP-10G-SR SFP-10G-LRM SFP-10G-LR SFP-10G-ER SFP-10G-ZR <sup>2</sup>	3.3.1SG	3.3.1SG
		DWDM SFP+	15.2(1)E	15.2(1)E
		SFP-H10GB-CU1M <sup>1</sup> SFP-H10GB-CU3M <sup>1</sup> SFP-H10GB-CU5M <sup>1</sup>	—	3.3.1SG
Catalyst 4900 Series	WS-C4948-10GE WS-C4928-10GE	X2-10GB-CX4 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	12.2(54)SG	12.2(50)SG
		DWDM X2	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 <sup>1</sup> SFP-H10GB-CU3M <sup>1</sup> SFP-H10GB-CU5M <sup>1</sup>	—	12.2(54)SG
		SFP-10G-SR SFP-10G-LRM SFP-10G-LR	12.2(54)SG	12.2(54)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-C4948E	SFP-H10GB-CU1M <sup>1</sup> SFP-H10GB-CU3M <sup>1</sup> SFP-H10GB-CU5M <sup>1</sup>	—	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
		DWDM SFP+	—	15.2(1)E
	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
		X2-10GB-T	15.1(2)SG	15.1(2)SG
		DWDM X2	12.2(50)SG	12.2(50)SG
	WS-C4900M WS-X4904-10GE WS-X4908-10GE  (With CVR-X2-SFP10G converter for X2 ports)	SFP-10G-SR	12.2(54)SG	12.2(50)SG
		SFP-10G-LRM SFP-10G-LR	12.2(54)SG	12.2(54)SG
		SFP-H10GB-CU1M <sup>1</sup> SFP-H10GB-CU3M <sup>1</sup> SFP-H10GB-CU5M <sup>1</sup>	—	12.2(53)SG1
	Cisco ME 4600 Series	ME4600-UMX-4x10GE	XFP-10G-MM-SR XFP10GLR-192SR-L XFP10GLR192SR-GD XFP10GER-192IR-L XFP10GER192IR-RGD XFP-10GZR-OC192LR XFP10GZR192LR-RGD	3.3.1

**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
Cisco ME 4900 Series	ME-4924-10GE	X2-10GB-CX4 X2-10GB-LX4	—	12.2(31)SGA
		X2-10GB-LR 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
		ME-4924-10GE (With CVR-X2-SFP10G converter for X2 ports)	SFP-H10GB-CU1M <sup>1</sup> SFP-H10GB-CU3M <sup>1</sup> SFP-H10GB-CU5M <sup>1</sup>	—
		SFP-10G-SR SFP-10G-LRM SFP-10G-LR	12.2(54)SG	12.2(54)SG

1. Only Version -02 or later is supported.
2. Not supported on ports 1 to 32 (32 port chassis) or on ports 1 to 16 (16 port chassis) with back-to-front chassis airflow. Supported on ports 1 to 32 (32 port chassis) or on ports 1 to 16 (16 port chassis) with front-to-back chassis airflow. Supported on the uplink module with the 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
	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	—	12.2(33)SXH2	12.2(33)SXH2
		X2-10GB-ZR DWDM X2	—	12.2(33)SXI	12.2(33)SXI
		X2-10GB-T	—	12.2(33)SJI1	—

**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			
		X2-10GB-LRM	—	12.2(18)SXF8	12.2(18)SXF8
		X2-10GB-ZR DWDM X2	—	12.2(33)SXI	12.2(33)SXI
		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 <sup>1</sup>	—	—	12.2(33)SXI2
		SFP-H10GB-CU3M <sup>1</sup>			
		SFP-H10GB-CU5M <sup>1</sup>			
		SFP-10G-SR	—	12.2(33)SXI2	12.2(33)SXI2
		SFP-10G-LRM	—	12.2(33)SXI4	12.2(33)SXI4
	SFP-10G-LR	—	12.2(33)SXJ1	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	—	—	12.2(50)SY	
	X2-10GB-SR	—	12.2(50)SY	12.2(50)SY	
	X2-10GB-LRM				
	X2-10GB-LX4				
	X2-10GB-LR				
	X2-10GB-ER				
	X2-10GB-ZR DWDM X2				
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 <sup>1</sup>	—	—		
	SFP-H10GB-CU3M <sup>1</sup>				
	SFP-H10GB-CU5M <sup>1</sup>				
	SFP-10G-SR	—	12.2(50)SY	12.2(50)SY	
	SFP-10G-LRM				
	SFP-10G-LR				
WS-X6904-40G-2T WS-X6904-40G-2TXL With CVR-CFP-4SFP10G FourX converter for CFP ports	SFP-H10GB-CU1M <sup>1</sup>	—	—	15.0(1)SY1	
	SFP-H10GB-CU3M <sup>1</sup>				
	SFP-H10GB-CU5M <sup>1</sup>				
	SFP-10G-SR	—	15.0(1)SY1	15.0(1)SY1	
	SFP-10G-LRM				
	SFP-10G-LR				
	SFP-10G-ER				
	DWDM SFP+	—	15.1(2)SY	15.1(2)SY	

**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 6800 Series	C6800IA-48FPD C6800IA-48TD	SFP-10G-ER SFP-10G-LR SFP-10G-SR SFP-10G-LRM SFP-H10GB-CU1M <sup>1</sup> SFP-H10GB-CU3M <sup>1</sup> SFP-H10GB-CU5M <sup>1</sup>	—	15.1(2)SY2	15.1(2)SY2
	C6880-X	SFP-10G-LR SFP-10G-SR SFP-10G-LRM SFP-10G-ER SFP-10G-ZR DWDM SFP+ SFP-H10GB-CU1M SFP-H10GB-CU1-5M SFP-H10GB-CU2M SFP-H10GB-CU2-5M SFP-H10GB-CU3M SFP-H10GB-CU5M SFP-H10GB-ACU7M SFP-H10GB-ACU10M SFP-10G-AOC1M SFP-10G-AOC2M SFP-10G-AOC3M SFP-10G-AOC5M SFP-10G-AOC7M SFP-10G-AOC10M	—	15.1(2)SY1	15.1(2)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 <sup>1</sup> SFP-H10GB-CU3M <sup>1</sup> SFP-H10GB-CU5M <sup>1</sup>	—	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	
		DWDM SFP+	15.2(4)S	15.2(4)S	
		ME-3600X-24CX-M	XFP-10G-MM-SR XFP10GLR192SR-RGD XFP10GLR-192SR-L XFP10GER192IR-RGD XFP10GER-192IR-L XFP10GZR192LR-RGD XFP-10GZR-OC192LR DWDM-XFP-C	15.2(2)S	15.2(2)S
		XFP-10GER-OC192IR XFP-10GER-192IR+	15.3(3)S	15.3(3)S	
	Cisco ME 3800X	ME-3800X-24FS-M (SFP+ ports)	SFP-H10GB-CU1M <sup>1</sup> SFP-H10GB-CU3M <sup>1</sup> SFP-H10GB-CU5M <sup>1</sup>	—	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
			DWDM SFP+	15.2(4)S	15.2(4)S

1. Only Version -02 or later is supported.

**Table 8**      **Wireless LAN Controller Support and Minimum Software Release Requirements**

Platform	Controller or Module	Transceiver Model	Minimum Software Release Required	
			DOM Support	Cisco IOS Release
Cisco 5700 WLC Series	AIR-CT5760-25-K9 AIR-CT5760-50-K9 AIR-CT5760-100-K9 AIR-CT5760-250-K9 AIR-CT5760-500-K9 AIR-CT5760-1K-K9 AIR-CT5760-HA-K9	SFP-H10GB-CU1M <sup>1</sup> SFP-H10GB-CU3M <sup>1</sup> SFP-H10GB-CU5M <sup>1</sup>	—	XE 3.2.0SE
		SFP-10G-SR SFP-10G-LRM SFP-10G-LR SFP-10G-ER	XE 3.2.0SE	XE 3.2.0SE
		SFP-10G-ZR DWDM SFP+	XE 3.3.3SE	XE 3.3.3SE

1. Only Version -02 or later is supported.

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