



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 supersede 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 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](#)



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Table 1 10-Gigabit Ethernet Transceiver Module Models

Model Number	Transceiver Description
SFP+	
SFP-10G-SR=	10GBASE-SR SFP+ transceiver module for MMF, 850-nm wavelength, LC duplex connector
SFP-10G-LR=	10GBASE-LR SFP+ transceiver module for SMF, 1310-nm wavelength, LC duplex connector
SFP-H10GB-CU1M=	1-m 10G SFP+ Twinax cable assembly
SFP-H10GB-CU3M=	3-m 10G SFP+ Twinax cable assembly
SFP-H10GB-CU5M=	5-m 10G SFP+ Twinax cable assembly
XENPAK	
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
DWDM XENPAK	
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)

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

Model Number	Transceiver Description
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)
X2	
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

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

Model Number	Transceiver Description
DWDM X2	
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)
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)

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

Model Number	Transceiver Description
XFP	
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
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
XFP-10GZR-OC192LR=	Cisco multirate XFP transceiver module for 10GBASE-LR Ethernet and OC-192/STM-64 long-reach Packet-over-SONET/SDH (POS) applications, SMF, dual LC connector
DWDM XFP	
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)

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

Model Number	Transceiver Description
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)
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)

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-1 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
Cisco Shared Port Adapter (SPA)	SPA-OC192POS-XFP SPA-1X10GE-WL-V2 SPA-1XTENGE-XFP SPA-1X10GE-L-V2	DWDM XENPAK	XR 3.0	XR 3.0
		XFP-10GLR-OC192SR	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.	
		XFP-10GER-OC192IR		
		XFP-10GER-192IR+		
ASR 9000 Router Series	A9K-4T-B A9K-4T-E A9K-8T/4-E A9K-8T/4-B	XFP-10G-MM-SR	XR 3.7.2	XR 3.7.2
		XFP-10GLR-OC192SR		
		XFP-10GER-192IR+		
		XFP-10GZR-OC192LR		
Cisco SCE 8000	SCE8000-2X10GE-E SCE8000-4X10GE-E	DWDM XFP		
		XFP-10G-MM-SR	SCS 3.1.6	SCS 3.1.6
		XFP-10GLR-OC192SR		
		XFP-10GER-OC192SR		

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 7600-ES20-10G3CXL	XFP-10GLR-OC192SR XFP-10GER-OC192IR XFP-10GZR-OC192LR DWDM XFP XFP-10GER-192IR+	12.2(33)SRB 12.2(33)SRB1 12.2(33)SRB3 12.2(33)SRD	12.2(33)SRB 12.2(33)SRB1 12.2(33)SRB3 12.2(33)SRD
	7600-ES+2TG3C 7600-ES+2TG3CXL 7600-ES+4TG3C 7600-ES+4TG3CXL	XFP-10GLR-OC192SR XFP-10GER-192IR+ XFP-10GZR-OC192LR DWDM XFP	12.2(33)SRD	12.2(33)SRD
	76-ES+XT-2TG3CXL 76-ES+XT-4TG3CXL	XFP-10GLR-OC192SR XFP-10GER-192IR+ XFP-10GZR-OC192LR DWDM XFP	12.2(33)SRD1	12.2(33)SRD1
	WS-X6708-10G-3C WS-X6708-10G-3CXL RSP720-10GE	X2-10GB-CX4 X2-10GB-LX4 X2-10GB-LR X2-10GB-SR X2-10GB-ER	— 12.2(33)SRC	12.2(33)SRC 12.2(33)SRC
	WS-SUP32-10GB-3B	XENPAK-10GB-CX4 XENPAK-10GB-LX4 XENPAK-10GB-SR XENPAK-10GB-LR XENPAK-10GB-ER XENPAK-10GB-LR+ XENPAK-10GB-ER+ XENPAK-10GB-ZR DWDM XENPAK	— 12.2(33)SRA	12.2(33)SRA 12.2(33)SRA
	WS-X6704-10GE	XENPAK-10GB-CX4 XENPAK-10GB-LX4 XENPAK-10GB-SR XENPAK-10GB-LR XENPAK-10GB-ER XENPAK-10GB-LW XENPAK-10GB-LR+ XENPAK-10GB-ER+ XENPAK-10GB-ZR DWDM XENPAK	— 12.2(33)SRA	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

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 Release
Cisco Catalyst 2350 Series	2350-48TD-S 2350-48TD-SD	X2-10GB-CX4 X2-10GB-SR X2-10GB-LRM	—	12.2(46)EY
Cisco Catalyst 3100 Blade Switches	WS-CBS-3110X-S-I	X2-10GB-CX4 X2-10GB-SR X2-10GB-LX4	—	12.2(40)EX1
		X2-10GB-LRM X2-10GB-LR	—	12.2(46)SE
	WS-CBS-3120X-S WS-CBS-3130X-S	X2-10GB-CX4 X2-10GB-SR X2-10GB-LRM	—	12.2(40)EX3
		X2-10GB-LX4 X2-10GB-LR	—	12.2(46)SE
Cisco Nexus 2000 Series	N2K-C2148T-1GE	SFP-10G-SR SFP-10G-LR SFP-H10GB-CU1M SFP-H10GB-CU3M SFP-H10GB-CU5M	NX-OS 4.0(1a)N2(1) —	NX-OS 4.0(1a)N2(1) NX-OS 4.0(1a)N2(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 SFP-10G-LR	— NX-OS 4.0(1a)N1(1)	NX-OS 4.0(0)N1(1) NX-OS 4.0(1a)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)
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)
Cisco MDS 9000 Series	Refer to: http://www.cisco.com/en/US/prod/collateral/ps4159/ps6409/ps4358/product_data_sheet09186a00801bc698.html			

Table 4 Catalyst 3XXX Switch Support and Minimum Software Release Requirements

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(44)SE	12.2(35)SE2
		X2-10GB-ER		
		X2-10GB-LX4		
	WS-C3560E-12D WS-C3560E-12SD	X2-10GB-SR	12.2(44)SE	12.2(40)SE
		X2-10GB-CX4		
		X2-10GB-LRM		
WS-C3560E-12D WS-C3560E-12SD	X2-10GB-LR	12.2(44)SE	12.2(40)EX	
	X2-10GB-ER			
	X2-10GB-LX4			
WS-C3560E-12D WS-C3560E-12SD	X2-10GB-SR	12.2(50)SE	12.2(50)SE	
	X2-10GB-CX4			
	X2-10GB-LRM			
Catalyst 3750 series	WS-C3750G-16TD	X2-10GB-ZR	—	12.2(18)SE
		XENPAK-10GB-ER C3-XENPAK10GB-LR		
Catalyst 3750-E Series	WS-C3750E-24TD WS-C3750E-24PD WS-C3750E-48TD WS-C3750E-48PD WS-C3750E-48PDF	X2-10GB-LR	12.2(44)SE	12.2(35)SE2
		X2-10GB-ER		
		X2-10GB-LX4		
	WS-C3750E-24TD WS-C3750E-24PD WS-C3750E-48TD WS-C3750E-48PD WS-C3750E-48PDF	X2-10GB-SR	12.2(44)SE	12.2(40)SE
		X2-10GB-CX4		
		X2-10GB-LRM		
WS-C3750E-24TD WS-C3750E-24PD WS-C3750E-48TD WS-C3750E-48PD WS-C3750E-48PDF	X2-10GB-ZR	12.2(50)SE	12.2(50)SE	
	X2-10GB-ZR			

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-LR X2-10GB-SR X2-10GB-CX4 X2-10GB-ER X2-10GB-LX4	—	12.2(25)EW	
		X2-10GB-LRM X2-10GB-ZR DWDM X2	— — 12.2(50)SG	12.2(31)SGA 12.2(50)SG	
		WS-X4013+10GE	X2-10GB-LR X2-10GB-SR X2-10GB-CX4 X2-10GB-ER X2-10GB-LX4	—	12.2(25)SG
			X2-10GB-LRM X2-10GB-ZR DWDM X2	— — 12.2(50)SG	12.2(31)SGA 12.2(50)SG 12.2(50)SG
WS-X45-SUP6L-E	X2-10GB-LR X2-10GB-SR X2-10GB-CX4 X2-10GB-ER X2-10GB-LX4 X2-10GB-LRM X2-10GB-ZR DWDM X2	— 12.2(52)XO	12.2(52)XO 12.2(52)XO		
WS-X45-SUP6-E WS-X4606-X2-E	X2-10GB-LR X2-10GB-SR X2-10GB-CX4 X2-10GB-ER X2-10GB-LX4 X2-10GB-LRM X2-10GB-ZR DWDM X2	—	12.2(40)SG		
		— 12.2(50)SG	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 4500 series (continued)	WS-X45-SUP6-E WS-X4606-X2-E (With CVR-X2-SFP10G converter for X2 ports)	SFP-10G-SR	—	12.2(50)SG
	WS-X45-SUP6L-E (With CVR-X2-SFP10G converter for X2 ports)	SFP-10G-SR	—	12.2(52)XO
Catalyst 4900 Series	WS-C4948-10GE WS-C4928-10GE	X2-10GB-LR	—	12.2(25)EW
		X2-10GB-SR		
		X2-10GB-CX4		
		X2-10GB-ER		
	X2-10GB-LX4			
	X2-10GB-LRM	—	12.2(31)SGA	
X2-10GB-ZR	—	12.2(50)SG		
DWDM X2	12.2(50)SG	12.2(50)SG		
WS-C4900M WS-X4904-10GE WS-X4908-10GE	X2-10GB-LR X2-10GB-SR X2-10GB-CX4 X2-10GB-ER X2-10GB-LX4 X2-10GB-LRM	—	12.2(40)XO or 12.2(44)SG	
X2-10GB-ZR	—	12.2(50)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(50)SG	
Cisco ME 4900 Series	ME-4924-10GE	X2-10GB-LR	—	12.2(31)SGA
		X2-10GB-SR		
		X2-10GB-CX4		
		X2-10GB-ER		
X2-10GB-LX4				
X2-10GB-LRM				
X2-10GB-ZR	—	12.2(50)SG		
DWDM X2	12.2(50)SG	12.2(50)SG		

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	
		—	12.2(33)SXH2	12.2(33)SXH2	
		—	12.2(33)SXI	12.2(33)SXI	
		—	12.2(18)SXF5	12.2(18)SXF5	
		—	12.2(18)SXF8	12.2(18)SXF8	
		—	12.2(33)SXI	12.2(33)SXI	
		—	12.2(33)SXI	12.2(33)SXI	
		—	12.2(33)SXI	12.2(33)SXI	
		—	12.2(33)SXI	12.2(33)SXI	
		—	12.2(33)SXI	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)	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-10G-SR	—	12.2(33)SX12	12.2(33)SX12

Obtaining Documentation and Submitting a Service Request

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