



# Cisco Gigabit Ethernet Transceiver Modules Compatibility Matrix

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**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 contains information on the Cisco platforms and software releases that support the Gigabit Interface Converter (GBIC) and Gigabit Ethernet Small Form-Factor Pluggable (SFP) transceiver modules. [Table 1](#) lists the Gigabit Ethernet transceiver model numbers and operating wavelengths. The other tables are as follows:

- [Table 2, Catalyst Express 500 Support](#)
- [Table 3, Metro Ethernet Support](#)
- [Table 4, Catalyst 2900 Switches Support](#)
- [Table 5, Catalyst 3500 Switches Support](#)
- [Table 6, Catalyst 3700 Series Switches Support](#)
- [Table 7, Industrial Ethernet and Smart Grid Support](#)
- [Table 8, Catalyst 4500 and Catalyst 4900 Switches Support](#)
- [Table 9, Catalyst 6500 Series Switches Support](#)
- [Table 10, Data Center and Blade Switching Support](#)
- [Table 11, Router Support](#)
- [Table 12, Appliance Support](#)



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**Table 1 Gigabit Ethernet Transceiver Models**

<b>Model Number</b>	<b>Description</b>
<b>GBIC Transceivers</b>	
WS-G5482=	1000BASE-T GBIC transceiver module for Category 5 copper wire, RJ-45 connector
WS-G5483=	1000BASE-T GBIC transceiver module for Category 5 copper wire, RJ-45 connector
WS-G5484=	1000BASE-SX GBIC transceiver module for Multi mode Fiber (MMF), 850-nanometer (nm) wavelength, dual SC/PC connector
WS-G5486=	1000BASE-LX/LH GBIC transceiver module for MMF and SMF, 1300-nm wavelength, dual SC/PC connector
WS-G5487=	1000BASE-ZX GBIC transceiver module for Single Mode Fiber (SMF), 1550-nm wavelength, dual SC/PC connector
<b>CWDM GBIC Transceivers (Dual SC/PC connectors)</b>	
CWDM-GBIC-1470=	Cisco 1000BASE-CWDM GBIC 1470 nm
CWDM-GBIC-1490=	Cisco 1000BASE-CWDM GBIC 1490 nm
CWDM-GBIC-1510=	Cisco 1000BASE-CWDM GBIC 1510 nm
CWDM-GBIC-1530=	Cisco 1000BASE-CWDM GBIC 1530 nm
CWDM-GBIC-1550=	Cisco 1000BASE-CWDM GBIC 1550 nm
CWDM-GBIC-1570=	Cisco 1000BASE-CWDM GBIC 1570 nm
CWDM-GBIC-1590=	Cisco 1000BASE-CWDM GBIC 1590 nm
CWDM-GBIC-1610=	Cisco 1000BASE-CWDM GBIC 1610 nm
<b>DWDM GBIC Transceivers (Dual SC/PC connectors)</b>	
DWDM-GBIC-60.61=	1000BASE-DWDM GBIC 1560.61 nm
DWDM-GBIC-59.79=	1000BASE-DWDM GBIC 1559.79 nm
DWDM-GBIC-58.98=	1000BASE-DWDM GBIC 1558.98 nm
DWDM-GBIC-58.17=	1000BASE-DWDM GBIC 1558.17 nm
DWDM-GBIC-56.55=	1000BASE-DWDM GBIC 1556.55 nm
DWDM-GBIC-55.75=	1000BASE-DWDM GBIC 1555.75 nm
DWDM-GBIC-54.94=	1000BASE-DWDM GBIC 1554.94 nm
DWDM-GBIC-54.13=	1000BASE-DWDM GBIC 1554.13 nm
DWDM-GBIC-52.52=	1000BASE-DWDM GBIC 1552.52 nm
DWDM-GBIC-51.72=	1000BASE-DWDM GBIC 1551.72 nm
DWDM-GBIC-50.92=	1000BASE-DWDM GBIC 1550.92 nm

**Table 1 Gigabit Ethernet Transceiver Models (continued)**

<b>Model Number</b>	<b>Description</b>
<b>DWDM GBIC Transceivers (continued)</b>	
DWDM-GBIC-50.12=	1000BASE-DWDM GBIC 1550.12 nm
DWDM-GBIC-48.51=	1000BASE-DWDM GBIC 1548.51 nm
DWDM-GBIC-47.72=	1000BASE-DWDM GBIC 1547.72 nm
DWDM-GBIC-46.92=	1000BASE-DWDM GBIC 1546.92 nm
DWDM-GBIC-46.12=	1000BASE-DWDM GBIC 1546.12 nm
DWDM-GBIC-44.53=	1000BASE-DWDM GBIC 1544.53 nm
DWDM-GBIC-43.73=	1000BASE-DWDM GBIC 1543.73 nm
DWDM-GBIC-42.94=	1000BASE-DWDM GBIC 1542.94 nm
DWDM-GBIC-42.14=	1000BASE-DWDM GBIC 1542.14 nm
DWDM-GBIC-40.56=	1000BASE-DWDM GBIC 1540.56 nm
DWDM-GBIC-39.77=	1000BASE-DWDM GBIC 1539.77 nm
DWDM-GBIC-39.98=	1000BASE-DWDM GBIC 1539.98 nm
DWDM-GBIC-38.19=	1000BASE-DWDM GBIC 1538.19 nm
DWDM-GBIC-35.82=	1000BASE-DWDM GBIC 1535.82 nm
DWDM-GBIC-35.04=	1000BASE-DWDM GBIC 1535.04 nm
DWDM-GBIC-34.25=	1000BASE-DWDM GBIC 1534.25 nm
DWDM-GBIC-32.68=	1000BASE-DWDM GBIC 1532.68 nm
DWDM-GBIC-31.90=	1000BASE-DWDM GBIC 1531.90 nm
DWDM-GBIC-31.12=	1000BASE-DWDM GBIC 1531.12 nm
DWDM-GBIC-30.33=	1000BASE-DWDM GBIC 1530.33 nm
<b>SFP Transceivers</b>	
GLC-T=	1000BASE-T SFP transceiver module for Category 5 copper wire, RJ-45 connector
GLC-SX-MM=	1000BASE-SX SFP transceiver module for MMF, 850-nm wavelength, dual LC/PC connector
GLC-LH-SM=	1000BASE-LX/LH SFP transceiver module for MMF and SMF, 1300-nm wavelength, dual LC/PC connector
GLC-ZX-SM=	1000BASE-ZX SFP transceiver module for SMF, 1550-nm wavelength, dual LC/PC connector

**Table 1 Gigabit Ethernet Transceiver Models (continued)**

<b>Model Number</b>	<b>Description</b>
<b>SFP Transceivers (continued)</b>	
GLC-BX-D=	1000BASE-BX10 SFP module for single-strand SMF, 1490-nm TX/1310-nm RX wavelength, single LC/PC connector
GLC-BX-U=	1000BASE-BX10 SFP module for single-strand SMF, 1310-nm TX/1490-nm RX wavelength, single LC/PC connector
SFP-GE-S=	1000BASE-SX SFP transceiver module for MMF, 850-nm wavelength, extended operating temperature range and DOM support, dual LC/PC connector
SFP-GE-L=	1000BASE-LX/LH SFP transceiver module for MMF and SMF, 1300-nm wavelength, extended operating temperature range and DOM support, dual LC/PC connector
GLC-EX-SMD=	1000BASE-EX SFP transceiver module for SMF, 1310-nm wavelength, extended operating temperature range and DOM support, dual LC/PC connector
SFP-GE-Z=	1000BASE-ZX SFP transceiver module for SMF, 1550-nm wavelength, extended operating temperature range and DOM support, dual LC/PC connector
SFP-GE-T=	1000BASE-T SFP transceiver module for Category 5 copper wire, extended operating temperature range and DOM support, RJ-45 connector
GLC-SX-MM-RGD	1000BASE-SX SFP transceiver module for MMF, 850-nm wavelength, industrial Ethernet, dual LC/PC connector
GLC-LX-SM-RGD	1000BASE-LX/LH SFP transceiver module for MMF and SMF, 1300-nm wavelength, industrial Ethernet, dual LC/PC connector
GLC-ZX-SM-RGD	1000BASE-ZX SFP transceiver module for SMF, 1550-nm wavelength, industrial Ethernet, dual LC/PC connector
<b>CWDM SFP Transceivers (dual LC/PC connector)</b>	
CWDM-SFP-1470=	Cisco CWDM SFP 1470 nm; Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1490=	Cisco CWDM SFP 1490 nm; Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1510=	Cisco CWDM SFP 1510 nm; Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1530=	Cisco CWDM SFP 1530 nm; Gigabit Ethernet and 1G/2G FC

**Table 1 Gigabit Ethernet Transceiver Models (continued)**

<b>Model Number</b>	<b>Description</b>
<b>CWDM SFP Transceivers (continued)</b>	
CWDM-SFP-1550=	Cisco CWDM SFP 1550 nm; Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1570=	Cisco CWDM SFP 1570 nm; Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1590=	Cisco CWDM SFP 1590 nm; Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1610=	Cisco CWDM SFP 1610 nm; Gigabit Ethernet and 1G/2G FC
<b>DWDM SFP Transceivers (dual LC/PC connector)</b>	
DWDM-SFP-6061=	Cisco 1000BASE-DWDM SFP 1560.61 nm
DWDM-SFP-5979=	Cisco 1000BASE-DWDM SFP 1559.79 nm
DWDM-SFP-5898=	Cisco 1000BASE-DWDM SFP 1558.98 nm
DWDM-SFP-5817=	Cisco 1000BASE-DWDM SFP 1558.17 nm
DWDM-SFP-5655=	Cisco 1000BASE-DWDM SFP 1556.55 nm
DWDM-SFP-5575=	Cisco 1000BASE-DWDM SFP 1555.75 nm
DWDM-SFP-5413=	Cisco 1000BASE-DWDM SFP 1554.13 nm
DWDM-SFP-5494=	Cisco 1000BASE-DWDM SFP 1554.94 nm
DWDM-SFP-5252=	Cisco 1000BASE-DWDM SFP 1552.52 nm
DWDM-SFP-5172=	Cisco 1000BASE-DWDM SFP 1551.72 nm
DWDM-SFP-5092=	Cisco 1000BASE-DWDM SFP 1550.92 nm
DWDM-SFP-5012=	Cisco 1000BASE-DWDM SFP 1550.12 nm
DWDM-SFP-4851=	Cisco 1000BASE-DWDM SFP 1548.51 nm
DWDM-SFP-4772=	Cisco 1000BASE-DWDM SFP 1547.72 nm
DWDM-SFP-4692=	Cisco 1000BASE-DWDM SFP 1546.92 nm
DWDM-SFP-4612=	Cisco 1000BASE-DWDM SFP 1546.12 nm
DWDM-SFP-4453=	Cisco 1000BASE-DWDM SFP 1544.53 nm
DWDM-SFP-4373=	Cisco 1000BASE-DWDM SFP 1543.73 nm
DWDM-SFP-4294=	Cisco 1000BASE-DWDM SFP 1542.94 nm
DWDM-SFP-4214=	Cisco 1000BASE-DWDM SFP 1542.14 nm
DWDM-SFP-4056=	Cisco 1000BASE-DWDM SFP 1540.56 nm
DWDM-SFP-3977=	Cisco 1000BASE-DWDM SFP 1539.77 nm
DWDM-SFP-3898=	Cisco 1000BASE-DWDM SFP 1539.98 nm
DWDM-SFP-3819=	Cisco 1000BASE-DWDM SFP 1538.19 nm
DWDM-SFP-3661=	Cisco 1000BASE-DWDM SFP 1536.61 nm
DWDM-SFP-3582=	Cisco 1000BASE-DWDM SFP 1535.82 nm
DWDM-SFP-3504=	Cisco 1000BASE-DWDM SFP 1535.04 nm

**Table 1 Gigabit Ethernet Transceiver Models (continued)**

<b>Model Number</b>	<b>Description</b>
<b>DWDM SFP Transceivers (continued)</b>	
DWDM-SFP-3425=	Cisco 1000BASE-DWDM SFP 1534.25 nm
DWDM-SFP-3268=	Cisco 1000BASE-DWDM SFP 1532.68 nm
DWDM-SFP-3190=	Cisco 1000BASE-DWDM SFP 1531.90 nm
DWDM-SFP-3112=	Cisco 1000BASE-DWDM SFP 1531.12 nm
DWDM-SFP-3033=	Cisco 1000BASE-DWDM SFP 1530.33 nm
<b>DWDM SFP Transceivers (8 additional wavelengths) (dual LC/PC connector)</b>	
DWDM-SFP-6141=	Cisco 1000BASE-DWDM SFP 1561.42 nm
DWDM-SFP-5736=	Cisco 1000BASE-DWDM SFP 1557.36 nm
DWDM-SFP-5332=	Cisco 1000BASE-DWDM SFP 1553.33 nm
DWDM-SFP-4931=	Cisco 1000BASE-DWDM SFP 1549.32 nm
DWDM-SFP-4532=	Cisco 1000BASE-DWDM SFP 1545.32 nm
DWDM-SFP-4134=	Cisco 1000BASE-DWDM SFP 1541.35 nm
DWDM-SFP-3739=	Cisco 1000BASE-DWDM SFP 1537.40 nm
DWDM-SFP-3346=	Cisco 1000BASE-DWDM SFP 1533.47 nm

The following tables list the Cisco platforms that support the transceiver modules and the minimum software requirements:

- [Catalyst Express 500 Support, Table 2 on page 7](#)
- [Metro Ethernet Support, Table 3 on page 7](#)
- [Catalyst 2900 Switches Support, Table 4 on page 11](#)
- [Catalyst 3500 Switches Support, Table 5 on page 15](#)
- [Catalyst 3700 Series Switches Support, Table 6 on page 20](#)
- [Industrial Ethernet and Smart Grid Support, Table 7 on page 22](#)
- [Catalyst 4500 and Catalyst 4900 Switches Support, Table 8 on page 23](#)
- [Catalyst 6500 Series Switches Support, Table 9 on page 28](#)
- [Data Center and Blade Switching Support, Table 10 on page 30](#)
- [Router Support, Table 11 on page 32](#)
- [Appliance Support, Table 12 on page 41](#)

**Table 2 Catalyst Express 500 Support**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			DOM Support	Cisco IOS Release
Catalyst Express 500	WS-CE500-24LC WS-CE500-24PC WS-CE500G-12TC	GLC-SX-MM GLC-LH-SM	—	12.2(25)FY
Catalyst Express 520	WS-CE520-8PC-K9	GLC-SX-MM GLC-LH-SM	—	12.2(35)EX
	WS-CE520-24LC-K9 WS-CE520-24PC-K9 WS-CE520G-24TC-K9	GLC-SX-MM GLC-LH-SM	—	12.2(37)EX

**Table 3 Metro Ethernet Support**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			DOM Support	Cisco IOS Release
Cisco ME 2400	ME-2400-24TS-A ME-2400-24TS-D	GLC-T(10/100/1000) GLC-SX-MM GLC-LH-SM GLC-ZX-SM	—	12.2(25)EX
		GLC-BX-D GLC-BX-U CDWM SFP	12.2(44)SE	12.2(25)EX
Cisco ME 3400	ME-3400-24TS-A ME-3400-24TS-D	GLC-T (10/100/1000) GLC-SX-MM GLC-LH-SM	—	12.2(25)EX
		GLC-ZX-SM	12.2(46)SE	12.2(25)EX
		GLC-BX-D GLC-BX-U CWDM SFP	12.2(44)SE	12.2(25)EX
		DWDM SFP	12.2(44)SE	12.2(40)SE
		DWDM SFP (add.)	12.2(50)SE	12.2(50)SE
		SFP-GE-S SFP-GE-L	12.2(46)SE	12.2(46)SE
		SFP-GE-T (10/100/1000)	—	12.2(46)SE
		GLC-EX-SMD	12.2(52)SE	12.2(52)SE

**Table 3 Metro Ethernet Support (continued)**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required		
			DOM Support	Cisco IOS Release	
Cisco ME 3400 (continued)	ME-3400G-12CS-A ME-3400G-12CS-D	GLC-T (10/100/1000)	—	12.2(25)SEG1	
		GLC-SX-MM	—	12.2(25)SEG1	
		GLC-LH-SM	—	12.2(25)SEG1	
		GLC-ZX-SM	12.2(46)SE	12.2(25)SEG1	
		GLC-BX-D	12.2(44)SE	12.2(25)SEG1	
		GLC-BX-U	12.2(44)SE	12.2(25)SEG1	
		CWDM SFP	12.2(44)SE	12.2(25)SEG1	
		DWDM SFP	12.2(44)SE	12.2(40)SE	
		DWDM SFP (add.)	12.2(50)SE	12.2(50)SE	
		SFP-GE-S	12.2(46)SE	12.2(46)SE	
		SFP-GE-L	12.2(46)SE	12.2(46)SE	
		SFP-GE-T (10/100/1000)	—	12.2(46)SE	
		GLC-EX-SMD	12.2(52)SE	12.2(52)SE	
		ME-3400G-2CS-A	GLC-T (10/100/1000)	—	12.2(35)SE1
			GLC-SX-MM	—	12.2(35)SE1
	GLC-LH-SM		—	12.2(35)SE1	
	GLC-ZX-SM		12.2(46)SE	12.2(35)SE1	
	GLC-BX-D		12.2(44)SE	12.2(35)SE1	
	GLC-BX-U		12.2(44)SE	12.2(35)SE1	
	CWDM SFP		12.2(44)SE	12.2(35)SE1	
	DWDM SFP		12.2(44)SE	12.2(40)SE	
	DWDM SFP (add.)		12.2(50)SE	12.2(50)SE	
	SFP-GE-S		12.2(46)SE	12.2(46)SE	
	SFP-GE-L		12.2(46)SE	12.2(46)SE	
	SFP-GE-T (10/100/1000)		—	12.2(46)SE	
	GLC-EX-SMD		12.2(52)SE	12.2(52)SE	
	ME-3400-24FS-A		GLC-T (10/100/1000)	—	12.2(40)SE
			GLC-SX-MM	—	12.2(40)SE
		GLC-LH-SM	—	12.2(40)SE	
		GLC-ZX-SM	12.2(46)SE	12.2(40)SE	
GLC-BX-D		12.2(44)SE	12.2(40)SE		
GLC-BX-U		12.2(44)SE	12.2(40)SE		
CWDM SFP		12.2(44)SE	12.2(40)SE		
DWDM SFP		12.2(50)SE	12.2(40)SE		
DWDM SFP (add.)		12.2(50)SE	12.2(50)SE		
SFP-GE-S		12.2(46)SE	12.2(46)SE		
SFP-GE-L		12.2(46)SE	12.2(46)SE		
SFP-GE-T (10/100/1000)		—	12.2(46)SE		
GLC-EX-SMD		12.2(52)SE	12.2(52)SE		



**Table 3 Metro Ethernet Support (continued)**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			DOM Support	Cisco IOS Release
Cisco ME 3400 (continued)	ME-3400E-24TS-M ME-3400EG-2CS-A ME-3400EG-12CS-M	GLC-T (10/100/1000)	—	12.2(44)EY
		SFP-GE-T (10/100/1000)	—	12.2(44)EY
		GLC-SX-MM	—	12.2(44)EY
		GLC-LH-SM	—	12.2(44)EY
		GLC-ZX-SM	12.2(44)EY	12.2(44)EY
		GLC-BX-D	—	12.2(44)EY
		GLC-BX-U	—	12.2(44)EY
		CWDM SFP	—	12.2(44)EY
		DWDM SFP	—	12.2(44)EY
SFP-GE-S	—	12.2(44)EY		
SFP-GE-L	—	12.2(44)EY		
SFP-GE-Z	—	12.2(44)EY		
DWDM SFP (add.)	12.2(50)SE	12.2(50)SE		
SFP-GE-T (10/100/1000)	—	12.2(46)SE		
GLC-EX-SMD	12.2(52)SE	12.2(52)SE		
Catalyst 3750 Metro	ME-C3750-24TE-M	GLC-T (10/100/1000)	—	12.1(14)AX
		GLC-SX-MM	—	12.1(14)AX
		GLC-LH-SM	—	12.1(14)AX
		GLC-ZX-SM	12.2(46)SE	12.1(14)AX1
		CWDM SFP	12.2(44)SE	12.1(14)AX1
		GLC-BX-D	12.2(44)SE	12.2(25)EY2
		GLC-BX-U	—	12.2(25)EY2
		DWDM SFP	12.2(44)SE	12.2(40)SE
		DWDM SFP (add.)	12.2(50)SE	12.2(50)SE
		SFP-GE-S	12.2(46)SE	12.2(46)SE
		SFP-GE-L	—	12.2(46)SE
		SFP-GE-T (10/100/1000)	—	12.2(46)SE
		GLC-EX-SMD	12.2(52)SE	12.2(52)SE

**Table 3 Metro Ethernet Support (continued)**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			DOM Support	Cisco IOS Release
Cisco ME 3600X	ME-3600X-24FS-M (client ports)	GLC-T (10/100/1000) GLC-SX-MM GLC-LH-SM SFP-GE-T (10/100/1000)  GLC-ZX-SM SFP-GE-S SFP-GE-L GLC-BX-D GLC-BX-U CWDM SFP DWDM SFP DWDM SFP (add.)	—  12.2(52)EY	12.2(52)EY  12.2(52)EY
	ME-3600X-24FS-M ME-3600X-24TS-M (SFP+ ports)	GLC-SX-MM GLC-LH-SM  GLC-ZX-SM SFP-GE-S SFP-GE-L GLC-BX-D GLC-BX-U CWDM SFP DWDM SFP DWDM SFP (add.)	—  12.2(52)EY	12.2(52)EY  12.2(52)EY
Cisco ME 3800X	ME-3800X-24FS-M (client ports)	GLC-T (10/100/1000) GLC-SX-MM GLC-LH-SM SFP-GE-T (10/100/1000)  GLC-ZX-SM SFP-GE-S SFP-GE-L GLC-BX-D GLC-BX-U CWDM SFP DWDM SFP DWDM SFP (add.)	—  12.2(52)EY	12.2(52)EY  12.2(52)EY
	ME-3800X-24FS-M (SFP+ ports)	GLC-SX-MM GLC-LH-SM  GLC-ZX-SM SFP-GE-S SFP-GE-L GLC-BX-D GLC-BX-U CWDM SFP DWDM SFP DWDM SFP (add.)	—  12.2(52)EY	12.2(52)EY  12.2(52)EY

**Table 3 Metro Ethernet Support (continued)**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			DOM Support	Cisco IOS Release
Cisco ME 4900 Series	ME-4924-10GE	GLC-T (1000BASE-T)	—	12.2(31)SGA
		GLC-SX-MM GLC-LH-SM GLC-ZX-SM	12.2(31)SGA	
		GLC-BX-D GLC-BX-U CDWM SFP DWDM SFP	12.2(37)SG	12.2(37)SG
Cisco ME 6500 Series	ME-C6524GS-8S ME-C6524GT-8S	GLC-T (1000 BASE-T)	—	12.2(18)ZU
		GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-BX-D GLC-BX-U CDWM SFP		
		GLC-T (10/100/1000) DWDM SFP		12.2(33)SXH 12.2(18)ZU2

**Table 4 Catalyst 2900 Switches Support**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Catalyst Operating System	Cisco IOS Release
Catalyst 2900 series	WS-C2980G-A	WS-G5483 WS-G5484 WS-G5486 WS-G5487 CWDM GBIC	7.2.1	Not supported
	WS-C2948G	WS-G5483 WS-G5484 WS-G5486 WS-G5487 CWDM GBIC	7.2	Not supported

**Table 4 Catalyst 2900 Switches Support (continued)**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Catalyst Operating System	Cisco IOS Release
Catalyst 2900 series (continued)	WS-C2948G-L3	WS-G5483 WS-G5484 WS-G5486 WS-G5487 CWDM GBIC	7.2	Not supported
	WS-C2948G-GE-TX	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-ZX-SM CWDM SFP	8.2(1)GLX	Not supported
	WS-C2912MF-XL with WS-X2931-XL	WS-G5482 WS-G5483 WS-G5484 WS-G5486 WS-G5487 CWDM GBIC	Not supported Not supported	12.0(5)XW 12.0(5)WC3b  12.0(5)WC5
	WS-C2924M-XL-EN with WS-X2931-XL	WS-G5483 WS-G5484 WS-G5486 WS-G5487 CWDM GBIC	Not supported	12.0(5)WC3b  12.0(5)WC5
	WS-C2924M-XL-EN-DC with WS-X2931-XL	WS-G5483 WS-G5484 WS-G5486 WS-G5487 CWDM GBIC	Not supported	12.0(5)WC3b  12.0(5)WC5
Catalyst 2940 Series	WS-C2940-8TF-S	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-ZX-SM CWDM SFP	Not supported	12.1(13)AY
Catalyst 2950 Series	WS-C2950G-12-EI WS-C2950G-24-EI WS-C2950G-24-EI-DC WS-C2950G-48-EI	WS-G5483 WS-G5484 WS-G5486 WS-G5487 CWDM GBIC DWDM GBIC	Not supported	12.1(6)EA2b  12.1(12c)EA1 12.1(20)EA2
	WS-C2950ST-8 LRE WS-C2950ST-24 LRE WS-C2950ST-24 LRE997	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-ZX-SM CWDM SFP	Not supported	12.1(19)EA1c

**Table 4 Catalyst 2900 Switches Support (continued)**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Catalyst Operating System	Cisco IOS Release
Catalyst 2960 series	WS-C2960-24TC-L WS-C2960G-24TC-L WS-C2960-48TC-L	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-BX-D GLC-BX-U CWDM SFP	Not supported	12.2(25)FX
	WS-C2960-24PC-L	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-BX-D GLC-BX-U CWDM SFP	Not supported	12.2(44)SE
	WS-C2960-24TC-S WS-C2960-48TC-S	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM	Not supported	12.2(37)EY
	WS-C2960-8TC-S	GLC-SX-MM GLC-LH-SM	Not supported	12.2(46)SE
	WS-C2960-48PST-L	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-BX-D GLC-BX-U CWDM SFP	Not supported	12.2(46)SE
	WS-C2960-8TC-L WS-C2960G-8TC-L	GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-BX-D GLC-BX-U CWDM SFP	Not supported	12.2(35)SE

**Table 4 Catalyst 2900 Switches Support (continued)**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Catalyst Operating System	Cisco IOS Release
Catalyst 2960 series (continued)	WS-C2960G-48TC-L	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-BX-D GLC-BX-U CWDM SFP	Not supported	12.2(25)SEE
	WS-C2960-48PST-S WS-C2960-24PC-S WS-C2960-24LT-S	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-BX-D GLC-BX-U CWDM SFP	Not supported	12.2(50)SE
Catalyst 2960-S Series	WS-C2960S-24TS-S WS-C2960S-48TS-S	GLC-SX-MM GLC-LH-SM	Not supported	12.2(53)SE1
	WS-C2960S-48FPS-L WS-C2960S-48LPS-L WS-C2960S-24PS-L WS-C2960S-48TS-L WS-C2960S-24TS-L	GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-BX-D GLC-BX-U CWDM SFP	Not supported	12.2(53)SE1
	WS-C2960S-48FPD-L WS-C2960S-48LPD-L WS-C2960S-24PD-L WS-C2960S-48TD-L WS-C2960S-24TD-L	GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-BX-D GLC-BX-U CWDM SFP	Not supported	12.2(53)SE1
Catalyst 2970 series	WS-C2970G-24TS-E	GLC-T (10/100/1000) GLC-SX-MM GLC-LH-SM GLC-ZX-SM	Not supported	12.1(14)EA1
Catalyst 2975 Series	WS-C2975GS-48PS-L	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-ZX-SM CWDM SFP	Not supported	12.2(46)EX

**Table 5 Catalyst 3500 Switches Support**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Dom Support	Cisco IOS Release
Catalyst 3500XL Series	WS-C3508G-XL-EN	WS-G5482	—	12.0(5)XW
	WS-C3512-XL-EN	WS-G5483		12.0(5)WC3b
	WS-C3524-XL-EN	WS-G5484		
	WS-C3524-PWR-XL-EN	WS-G5486		
	WS-C3548-XL-EN	WS-G5487 CWDM GBIC		
Catalyst 3550 Series	WS-C3550-24-SMI WS-C3550-24-EMI WS-C3550-24-DC-SMI	WS-G5482	—	12.1(6)EA1a
		WS-G5483		12.1(8)EA1b
		WS-G5484		
		WS-G5486		
		WS-G5487		
	WS-C3550-24-FX-SMI WS-C3550-24PWR-SMI WS-C3550-24PWR-EMI	CWDM GBIC		12.1(12c)EA1
		DWDM GBIC		12.1(20)EA2
			—	12.1(12c)EA1
	WS-C3550-48-SMI WS-C3550-48-EMI	WS-G5482	—	12.1(8)EA1b
		WS-G5483		
		WS-G5484		
		WS-G5486		
WS-G5487				
WS-C3550-12G WS-C3550-12T	CWDM GBIC		12.1(12c)EA1	
	DWDM GBIC		12.1(20)EA2	

**Table 5 Catalyst 3500 Switches Support (continued)**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Dom Support	Cisco IOS Release
Catalyst 3560 Series	WS-C3560-24PS WS-C3560-48PS	GLC-T (10/100/1000)	—	12.1(19)EA1c
		GLC-SX-MM		
		GLC-LH-SM		
		GLC-ZX-SM	12.2(46)SE	12.1(19)EA1c
		CWDM SFP		
		SFP-GE-S		
	SFP-GE-L			
	SFP-GE-Z			
	GLC-BX-D	12.2(46)SE	12.2(25)SEB	
	GLC-BX-U			
	DWDM SFP	12.2(46)SE	12.2(40)SE	
	DWDM SFP (add.)	12.2(52)SE	12.2(52)SE	
WS-C3560G-24TS WS-C3560G-48TS WS-C3560G-48PS WS-C3560G-24PS	GLC-T (10/100/1000)	GLC-SX-MM	—	12.2(20)SE3
		GLC-LH-SM		
		GLC-ZX-SM	12.2(46)SE	12.2(20)SE3
		CWDM SFP		
		SFP-GE-S		
		SFP-GE-L		
SFP-GE-Z				
GLC-BX-D	12.2(46)SE	12.2(25)SEB		
GLC-BX-U				
DWDM SFP	12.2(46)SE	12.2(40)SE		
DWDM SFP (add.)	12.2(52)SE	12.2(52)SE		
WS-C3560-48TS WS-C3560-24TS	GLC-T (10/100/1000)	GLC-SX-MM	—	12.2(20)SE3
		GLC-LH-SM		
		GLC-ZX-SM	12.2(46)SE	12.2(20)SE3
		CWDM SFP		
		SFP-GE-S		
		SFP-GE-L		
SFP-GE-Z				
GLC-BX-D	12.2(46)SE	12.2(25)SEB		
GLC-BX-U				
DWDM SFP	12.2(46)SE	12.2(40)SE		
DWDM SFP (add.)	12.2(52)SE	12.2(52)SE		



**Table 5 Catalyst 3500 Switches Support (continued)**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Dom Support	Cisco IOS Release
Catalyst 3560 Series (continued)	WS-C3560-8PC	GLC-T (10/100/1000)	—	12.2(35)SE
		GLC-SX-MM GLC-LH-SM		
		GLC-ZX-SM CWDM SFP GLC-BX-D GLC-BX-U DWDM SFP	12.2(46)SE	12.2(35)SE
	WS-C3560-12PC-S	GLC-SX-MM GLC-LH-SM	—	12.2(46)SE
		GLC-ZX-SM CWDM SFP GLC-BX-D GLC-BX-U	12.2(46)SE	12.2(46)SE
	WS-C3560V2-24PS WS-C3560V2-24TS WS-C3560V2-48PS WS-C3560V2-48TS	GLC-T (10/100/1000)	—	12.2(50)SE
		GLC-SX-MM GLC-LH-SM		
		GLC-ZX-SM SFP-GE-S SFP-GE-L CWDM SFP GLC-BX-D GLC-BX-U DWDM SFP	12.2(50)SE	12.2(50)SE
DWDM SFP (add.)		12.2(52)SE	12.2(52)SE	

**Table 5 Catalyst 3500 Switches Support (continued)**

Platform	Switch or Module	Transceiver Module	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  With CVR-X2-SFP (for X2 ports)	GLC-T (10/100/1000)	—	12.2(35)SE2
		GLC-SX-MM		
		GLC-LH-SM		
		GLC-ZX-SM	12.2(46)SE	12.2(35)SE2
		GLC-BX-D		
		GLC-BX-U		
	WS-C3560E-12D With CVR-X2-SFP (for X2 ports)	CWDM SFP		
		SFP-GE-S		
		SFP-GE-L		
		SFP-GE-Z		
		DWDM SFP	12.2(46)SE	12.2(40)SE
		DWDM SFP (add.)	12.2(52)SE	12.2(52)SE
WS-C3560E-12SD	GLC-T (10/100/1000)	—	12.2(40)EX	
	GLC-SX-MM			
	GLC-LH-SM			
	GLC-ZX-SM	12.2(46)SE	12.2(40)EX	
	GLC-BX-D			
	GLC-BX-U			
WS-C3560E-12SD	CWDM SFP			
	DWDM SFP			
	SFP-GE-S			
	SFP-GE-L			
	SFP-GE-Z			
	DWDM SFP (add.)	12.2(52)SE	12.2(52)SE	

**Table 5 Catalyst 3500 Switches Support (continued)**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Dom Support	Cisco IOS Release
Catalyst 3560-E Series (continued)	WS-C3560E-12SD With CVR-X2-SFP (for X2 ports)	GLC-T (10/100/1000) GLC-SX-MM GLC-LH-SM	—	12.2(44)SE
		GLC-ZX-SM GLC-BX-D GLC-BX-U CWDM SFP DWDM SFP SFP-GE-S SFP-GE-L SFP-GE-Z	12.2(46)SE	12.2(44)SE
		DWDM SFP (add.)	12.2(52)SE	12.2(52)SE
Catalyst 3560-X Series	WS-C3560X-24T WS-C3560X-48T WS-C3560X-24P WS-C3560X-48P WS-C3560X-48PF	GLC-T (10/100/1000) GLC-SX-MM GLC-LH-SM	—	12.2(53)SE
		GLC-ZX-SM GLC-BX-D GLC-BX-U SFP-GE-S SFP-GE-L SFP-GE-Z CWDM SFP DWDM SFP DWDM SFP (add.)	12.2(53)SE	12.2(53)SE

**Table 6 Catalyst 3700 Series Switches Support**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			DOM Support	Cisco IOS Release
Catalyst 3750 series	WS-C3750G-12S WS-C3750G-24TS WS-C3750G-48TS WS-C3750G-24PS WS-C3750G-48PS	GLC-T (10/100/1000)	—	12.1.(14)EA1
		GLC-SX-MM GLC-LH-SM	—	12.1.(14)EA1
		GLC-ZX-SM CWDM SFP SFP-GE-S SFP-GE-L SFP-GE-Z	12.2(46)SE	12.1(14)EA1
		GLC-BX-D GLC-BX-U	12.2(46)SE	12.2(25)SEB
		DWDM SFP DWDM SFP (add.)	12.2(46)SE 12.2(52)SE	12.2(40)SE 12.2(52)SE
	WS-C3750-24TS WS-C3750-48TS	GLC-T (10/100/1000)	—	12.1(14)EA1
		GLC-SX-MM GLC-LH-SM	—	12.1(14)EA1
		GLC-ZX-SM CWDM SFP SFP-GE-S SFP-GE-L SFP-GE-Z	12.2(46)SE	12.1(19)EA1c
		GLC-BX-D GLC-BX-U	12.2(46)SE	12.2(25)SEB
		DWDM SFP DWDM SFP (add.)	12.2(46)SE 12.2(52)SE	12.2(40)SE 12.2(52)SE
	WS-C3750-24PS WS-C3750-48PS	GLC-T (10/100/1000)	—	12.1(19)EA1c
		GLC-SX-MM GLC-LH-SM	—	12.1(19)EA1c
		GLC-ZX-SM CWDM SFP SFP-GE-S SFP-GE-L SFP-GE-Z	12.2(46)SE	12.1(19)EA1c
		GLC-BX-D GLC-BX-U	12.2(46)SE	12.2(25)SEB
		DWDM SFP DWDM SFP (add.)	12.2(46)SE 12.2(52)SE	12.2(40)SE 12.2(52)SE

**Table 6 Catalyst 3700 Series Switches Support (continued)**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			DOM Support	Cisco IOS Release
Catalyst 3750 series (continued)	WS-C3750-24FS-S	GLC-T (10/100/1000)	—	12.2(25)SEB
		GLC-SX-MM		
		GLC-LH-SM		
		GLC-ZX-SM	12.2(46)SE	12.2(25)SEB
		SFP-GE-S		
		SFP-GE-L		
	SFP-GE-Z			
	CWDM SFP			
	GLC-BX-D			
	GLC-BX-U			
	DWDM SFP	12.2(46)SE	12.2(40)SE	
	DWDM SFP (add.)	12.2(52)SE	12.2(52)SE	
WS-C3750-24WFS	GLC-T (1000BASE-T)	GLC-SX-MM	—	12.2(25)FZ
		GLC-LH-SM		
		GLC-ZX-SM	12.2(46)SE	12.2(25)FZ
		SFP-GE-S		
		SFP-GE-L		
		SFP-GE-Z		
CWDM SFP				
GLC-BX-D				
GLC-BX-U				
DWDM SFP	12.2(46)SE	12.2(40)SE		
DWDM SFP (add.)	12.2(52)SE	12.2(52)SE		
WS-C3750V2-24PS WS-C3750V2-24TS WS-C3750V2-48PS WS-C3750V2-48TS	GLC-T (10/100/1000)	GLC-SX-MM	—	12.2(50)SE
		GLC-LH-SM		
		GLC-ZX-SM	12.2(50)SE	12.2(50)SE
		SFP-GE-S		
		SFP-GE-L		
		SFP-GE-Z		
CWDM SFP				
GLC-BX-D				
GLC-BX-U				
DWDM SFP				
DWDM SFP (add.)	12.2(52)SE	12.2(52)SE		

**Table 6 Catalyst 3700 Series Switches Support (continued)**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			DOM Support	Cisco IOS Release
Catalyst 3750-E Series	WS-C3750E-24TD WS-C3750E-24PD WS-C3750E-48TD WS-C3750E-48PD WS-C3750E-48PDF  With CVR-X2-SFP (for X2 ports)	GLC-T (10/100/1000)	—	12.2(35)SE2
		GLC-SX-MM GLC-LH-SM	12.2(46)SE	12.2(35)SE2
		GLC-ZX-SM GLC-BX-D GLC-BX-U CWDM SFP SFP-GE-S SFP-GE-L SFP-GE-Z		
		DWDM SFP DWDM SFP (add.)	12.2(44)SE 12.2(52)SE	12.2(40)SE 12.2(52)SE
Catalyst 3750-X Series	WS-C3750X-24T WS-C3750X-48T WS-C3750X-24P WS-C3750X-48P WS-C3750X-48PF	GLC-T (10/100/1000)	—	12.2(53)SE
		GLC-SX-MM GLC-LH-SM	12.2(53)SE	12.2(53)SE
		GLC-ZX-SM GLC-BX-D GLC-BX-U CWDM SFP SFP-GE-S SFP-GE-L SFP-GE-Z DWDM SFP DWDM SFP (add.)		

**Table 7 Industrial Ethernet and Smart Grid Support**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Catalyst Operating System	Cisco IOS Release
Cisco IE3000 series	IE-3000-4TC IE-3000-8TC	GLC-SX-MM-RGD GLC-LX-SM-RGD GLC-ZX-SM-RGD	Not supported	12.2(44)EX
		GLC-BX-D GLC-BX-U CWDM SFP		12.2(50)SE
Cisco 2500 Connected Grid Switch Series	CGS-2520-24TC CGS-2520-16S-8PC	GLC-SX-MM-RGD GLC-LX-SM-RGD GLC-ZX-SM-RGD	Not supported	12.2(53)EX
Cisco 2000 Connected Grid Router Series	CGR 2010	GLC-SX-MM-RGD GLC-LX-SM-RGD GLC-ZX-SM-RGD	Not supported	15.1(1)T

**Table 8 Catalyst 4500 and Catalyst 4900 Switches Support**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Cisco IOS Support	DOM Support
Catalyst 4500 series	WS-X4013	WS-G5483 WS-G5484 WS-G5486 WS-G5487 CDWM GBIC	Not supported	—
	WS-X4013+	WS-G5483 WS-G5484 WS-G5486 WS-G5487 CDWM GBIC DWDM GBIC	12.1(19)EW	—  12.1(19)EW
	WS-X4013+TS	GLC-SX-MM GLC-LH-SM GLC-ZX-SM	12.2(20)EWA	—
		GLC-BX-D GLC-BX-U CWDM SFP	12.2(20)EWA	12.2(20)EWA
		DWDM SFP	12.2(37)SG	12.2(37)SG
		DWDM SFP (add.)	12.2(53)SG3	12.2(53)SG3
WS-X4013+10GE	GLC-SX-MM GLC-LH-SM GLC-ZX-SM	12.2(25)SG	—	
	GLC-BX-D GLC-BX-U CWDM SFP	12.2(25)SG	12.2(25)SG	
	DWDM SFP	12.2(37)SG	12.2(37)SG	
	DWDM SFP (add.)	12.2(53)SG3	12.2(53)SG3	
WS-X4014	WS-G5483	12.1(13)EW	—	
	WS-G5484	12.1(8a)EW	—	
	WS-G5486			
	WS-G5487			
	CWDM GBIC	12.1(12c)EW	—	
	DWDM GBIC	12.1(19)EW	12.2(19)EW	

**Table 8 Catalyst 4500 and Catalyst 4900 Switches Support (continued)**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Cisco IOS Support	DOM Support
Catalyst 4500 series (continued)	WS-X4232-GB-RJ WS-X4306-GB WS-X4412-2GB-T WS-X4418-GB	WS-G5483	12.1(13)EW	—
		WS-G5484	12.1(8a)EW	—
		WS-G5486		
		WS-G5487		
		CWDM GBIC	12.1(12c)EW	—
		DWDM GBIC	12.1(19)EW	12.2(19)EW
	WS-X4302-GB	WS-G5483	12.1(19)EW	—
		WS-G5484		
		WS-G5486		
		WS-G5487		
CWDM GBIC				
	DWDM GBIC	12.1(19)EW	12.2(19)EW	
WS-4448-GB-SFP	GLC-T (1000BASE-T)	12.2(20)EW	—	
	GLC-SX-MM		—	
	GLC-LH-SM		—	
	GLC-ZX-SM		—	
	CWDM SFP		12.2(20)EW	
	GLC-BX-D	12.2(20)EWA	12.2(20)EWA	
	GLC-BX-U			
WS-X4506-GB-T	GLC-SX-MM	12.2(20)EWA	—	
	GLC-LH-SM			
	GLC-ZX-SM			
	GLC-BX-D	12.2(20)EWA	12.2(20)EWA	
	GLC-BX-U			
	CWDM SFP			
WS-X4515	WS-G5483	12.1(13)EW	—	
	WS-G5484	12.1(12c)EW	—	
	WS-G5486			
	WS-G5487			
	CWDM GBIC			
	DWDM GBIC	12.1(19)EW	12.1(19)EW	



**Table 8 Catalyst 4500 and Catalyst 4900 Switches Support (continued)**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Cisco IOS Support	DOM Support
Catalyst 4500 series (continued)	WS-X4516	WS-G5483 WS-G5484 WS-G5486 WS-G5487 CWDM GBIC DWDM GBIC	12.2(18)EW	—
			12.2(18)EW	12.2(18)EW
	WS-X4516-10GE	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-ZX-SM	12.2(25)EWA	—
			12.2(25)EWA	12.2(25)EWA
		GLC-BX-D GLC-BX-U CWDM SFP DWDM SFP	12.2(37)SG	12.2(37)SG
		DWDM SFP (add.)	12.2(53)SG3	12.2(53)SG3
	WS-X45-SUP6-E WS-X4606-X2 with CVR-X2-SFP Twin Gig converter	GLC-T GLC-SX-MM GLC-LH-SM GLC-ZX-SM	12.2(40)SG	—
			12.2(40)SG	12.2(40)SG
		GLC-BX-D GLC-BX-U CWDM SFP DWDM SFP	12.2(53)SG3	12.2(53)SG3
		DWDM SFP (add.)	12.2(53)SG3	12.2(53)SG3
	WS-4624-SFP-E	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-ZX-SM	12.2(44)SG	—
			12.2(44)SG	12.2(44)SG
GLC-BX-D GLC-BX-U CWDM SFP DWDM SFP		12.2(53)SG3	12.2(53)SG3	
DWDM SFP (add.)		12.2(53)SG3	12.2(53)SG3	

**Table 8 Catalyst 4500 and Catalyst 4900 Switches Support (continued)**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Cisco IOS Support	DOM Support
Catalyst 4500 series (continued)	WS-X45-SUP6L-E with CVR-X2-SFP Twin Gig converter	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-ZX-SM	12.2(52)SG	—
		GLC-BX-D GLC-BX-U CWDM SFP DWDM SFP	12.2(52)SG	12.2(52)SG
		DWDM SFP (add.)	12.2(53)SG3	12.2(53)SG3
	WS-X4612-SFP-E	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-ZX-SM	12.2(54)SG	—
		GLC-BX-D GLC-BX-U CWDM SFP DWDM SFP	12.2(54)SG	12.2(54)SG
		WS-X4712-SFP+E WS-X45-SUP7-E	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-ZX-SM	3.1.0SG
	GLC-BX-D GLC-BX-U CWDM SFP DWDM SFP	3.1.0SG	3.1.0SG	
Catalyst 4900 Series	WS-C4912G	WS-G5483 WS-G5484 WS-G5486 WS-G5487 CWDM GBIC	Not supported	Not supported
	WS-C4948	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-ZX-SM	12.2(20)EWA	—
GLC-BX-D GLC-BX-U CWDM SFP		12.2(20)EWA	12.2(20)EWA	
DWDM SFP		12.2(37)SG	12.2(37)SG	
DWDM (add.)		12.2(53)SG3	12.2(53)SG3	

**Table 8 Catalyst 4500 and Catalyst 4900 Switches Support (continued)**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Cisco IOS Support	DOM Support
Catalyst 4900 Series (continued)	WS-4928-10GE	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-ZX-SM	12.2(46)SG	—
		GLC-BX-D GLC-BX-U CWDM SFP DWDM SFP	12.2(46)SG	12.2(46)SG
		DWDM SFP (add.)	12.2(53)SG3	12.2(53)SG3
	WS-C4948E	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-ZX-SM	12.2(54)SG	—
		GLC-BX-D GLC-BX-U CWDM SFP DWDM SFP	12.2(54)SG	12.2(54)SG
		DWDM SFP (add.)	12.2(53)SG3	12.2(53)SG3
	WS-X4908 with CVR-X2-SFP Twin Gig converter in a WS-C4900M	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-ZX-SM	12.2(40)X0 or 12.2(44)SG	—
		GLC-BX-D GLC-BX-U CWDM SFP DWDM SFP	12.2(40)X0 or 12.2(44)SG	12.2(40)X0 or 12.2(44)SG
		DWDM SFP (add.)	12.2(53)SG3	12.2(53)SG3

**Table 9 Catalyst 6500 Series Switches Support**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required		
			Catalyst Operating System	Cisco IOS Release	DOM Support
Catalyst 6500 series	WS-X6K-SUP1-2GE WS-X6K-SUP1A-2GE WS-X6K-SUP1A-MSFC WS-X6K-SUP1A-MSFC2 WS-X6K-SUP1A-PFC WS-X6K-SUP2U-MSFC2 WS-X6K-S2-PFC2	WS-G5483 WS-G5484 WS-G5486 WS-G5487 CWDM GBIC	7.2 <a href="#">Please see release notes for details</a> 7.2	12.1(13)E <a href="#">Please see release notes for details</a> 12.1(13)E	—
	WS-X6K-SUP2-MSFC2 WS-X6K-SUP2U-PFC2 WS-X6408-GBIC WS-X6408A-GBIC WS-X6416-GBIC WS-X6516-GBIC WS-X6816-GBIC	WS-G5483 WS-G5484 WS-G5486 WS-G5487 CWDM GBIC DWDM GBIC	7.2 <a href="#">Please see release notes for details</a> 7.2 8.3.1	12.1(13)E <a href="#">Please see release notes for details</a> 12.1(13)E 12.2(17a)SX	—
	WS-X6516A-GBIC	WS-G5483 WS-G5484 WS-G5486 WS-G5487 CWDM GBIC DWDM GBIC	7.5.1 <a href="#">Please see release notes for details</a> 7.5.1 8.3.1	12.1(19)E1 <a href="#">Please see release notes for details</a> 12.1(19)E1 12.2(17a)SX	—
	WS-SUP720	GLC-T(1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-BX-D GLC-BX-U CWDM SFP DWDM SFP	8.3.1 8.1.1 8.1.1 8.2 8.4.1 8.4.1 8.3.1 —	12.2(17a)SX 12.2(14)SX 12.2(17a)SX 12.2(17d)SXB1 12.2(18)SXE1 12.2(18)SXE1 12.2(17a)SX 12.2(33)SXH	— — — — 12.2(18)SXE1 12.2(18)SXE1 12.2(18)SXE 12.2(33)SXH
	WS-SUP720-3B WS-SUP720-3BXL	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-BX-D GLC-BX-U CWDM SFP DWDM SFP	8.3.2 8.3.2 8.3.2 8.3.2 8.4.1 8.4.1 8.3.2 —	12.2(17d)SXB1 12.2(17d)SXB1 12.2(17d)SXB1 12.2(17d)SXB1 12.2(18)SXE1 12.2(18)SXE1 12.2(17d)SXB1 12.2(33)SXH	— — — — 12.2(18)SXE1 12.2(18)SXE1 12.2(18)SXE 12.2(33)SXH

**Table 9 Catalyst 6500 Series Switches Support (continued)**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required		
			Catalyst Operating System	Cisco IOS Release	DOM Support
Catalyst 6500 series (continued)	WS-SUP32-GE-3B WS-SUP32-10GE-3B	GLC-T (1000BASE-T)	8.4(1)	12.2(18)SXF	—
		GLC-SX-MM	8.4(1)	12.2(18)SXF	—
		GLC-LH-SM	8.4(1)	12.2(18)SXF	—
		GLC-ZX-SM	8.4(1)	12.2(18)SXF	—
		GLC-BX-D	8.4(1)	12.2(18)SXF	12.2(18)SXF
		GLC-BX-U	8.4(1)	12.2(18)SXF	12.2(18)SXF
		CWDM SFP	8.4(1)	12.2(18)SXF	12.2(18)SXF
		DWDM SFP	—	12.2(33)SXH	12.2(33)SXH
	WS-SUP32-GE-PISA	GLC-T (1000BASE-T)	—	12.2(18)ZY	—
		GLC-SX-MM	—	12.2(18)ZY	—
		GLC-LH-SM	—	12.2(18)ZY	—
		GLC-ZX-SM	—	12.2(18)ZY	—
GLC-BX-D		—	12.2(18)ZY	—	
GLC-BX-U		—	12.2(18)ZY	—	
VS-S720-10G-3C VS-S720-10G-3CXL	GLC-T (1000BASE-T)	—	12.2(33)SXH	—	
	GLC-SX-MM	—	12.2(33)SXH	—	
	GLC-LH-SM	—	12.2(33)SXH	—	
	GLC-ZX-SM	—	12.2(33)SXH	—	
	GLC-BX-D	—	12.2(33)SXH	12.2(33)SXH	
	GLC-BX-U	—	12.2(33)SXH	12.2(33)SXH	
	CWDM SFP	—	12.2(33)SXH	12.2(33)SXH	
WS-X6724-SFP WS-X6748-SFP	GLC-T (1000BASE-T)	8.3.1	12.2(17a)SX	—	
	GLC-SX-MM	8.1.1	12.2(14)SX	—	
	GLC-LH-SM	8.1.1	12.2(17a)SX	—	
	GLC-ZX-SM	8.2	12.2(17d)SXB1	—	
	GLC-BX-D	8.4.1	12.2(18)SXE1	—	
	GLC-BX-U	8.4.1	12.2(18)SXE1	—	
	CWDM SFP	8.3.1	12.2(17a)SX	—	
	DWDM SFP	—	12.2(33)SXH-	—	

**Table 10 Data Center and Blade Switching Support**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			DOM support	Cisco IOS or NX-OS Release
Cisco Catalyst 2350 Series	2350-48TD-S 2350-48TD-SD  (with CVR-X2-SFP TwinGig converter)	GLC-T GLC-SX-MM	—	Cisco IOS 12.2(46)EY
Cisco Catalyst 2360 Series	2360-48TD-S	GLC-SX-MM GLC-LH-SM	—	Cisco IOS 12.2(53)EY
Cisco Catalyst 3000 and 3100 Blade Switches	WS-CBS3020-HPQ WS-CBS3030-DEL	GLC-T GLC-SX-MM GLC-LH-SM	—	Cisco IOS 12.2(35)SE
	WS-CBS3040-FSC	GLC-T GLC-SX-MM	—	Cisco IOS 12.2(35)SE
	WS-CBS3032-DEL WS-CBS-3120G-S WS-CBS-3130G-S  (with CVR-X2-SFP TwinGig converter)	GLC-T GLC-SX-MM GLC-LH-SM	—	Cisco IOS 12.2(40)EX1
	WS-CBS3110X-S  (with CVR-X2-SFP TwinGig converter)	GLC-T GLC-SX-MM GLC-LH-SM	—	Cisco IOS 12.2(52)SE
Cisco Nexus 2000 Series	N2K-C2232PP-10GE	GLC-T GLC-SX-MM GLC-LH-SM	—	NX-OS 4.2(1)N2(1)
Cisco Nexus 4000 Series	N4K-4001I-XPX	GLC-T GLC-SX-MM GLC-LH-SM	—	NX-OS 4.1(2)E1(1)
Cisco Nexus 5000 Series	N5K-C5010P-BF N5K-C5020P-BF	GLC-T (Rev 03 or later) GLC-SX-MM GLC-LH-SM	—	NX-OS 4.0(1a)N1(1)
	N5K-C5548P-FA N55-M16P N55-M8P8FP	GLC-T GLC-SX-MM GLC-LH-SM SFP-GE-T  SFP-GE-S SFP-GE-L	—    NX-OS 5.0(2)N1(1)	NX-OS 5.0(2)N1(1)    NX-OS 5.0(2)N1(1)

**Table 10 Data Center and Blade Switching Support (continued)**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			DOM support	Cisco IOS or NX-OS Release
Cisco Unified Computing System	N10-S6100 N10-S6200	SFP-GE-S SFP-GE-L	UCS Manager v1.3	UCS Manager v1.3
	N10-E0440 N10-E0600 N20-I6584	GLC-SX-MM GLC-LH-SM GLC-T (1000BASE-T) SFP-GE-T (1000BASE-T)	—	UCS Manager v1.3
Cisco Nexus 7000 Series	N7K-M148GS-11	SFP-GE-S GLC-SX-MM SFP-GE-L GLC-LH-SM SFP-GE-Z GLC-ZX-SM	NX-OS 4.1(2) — NX-OS 4.1(2) — NX-OS 4.1(2) —	NX-OS 4.1(2)
		GLC-T (1000BASE-T) SFP-GE-T (1000BASE-T) CWDM SFP DWDM SFP	— — NX-OS 4.2(1) NX-OS 4.2(1)	NX-OS 4.2(1)
	N7K-M148GS-11L	SFP-GE-S GLC-SX-MM SFP-GE-L GLC-LH-SM SFP-GE-Z GLC-ZX-SM GLC-T (1000BASE-T) SFP-GE-T (1000BASE-T) CWDM SFP DWDM SFP	NX-OS 5.0 — NX-OS 5.0 — NX-OS 5.0 — — — NX-OS 5.0 NX-OS 5.0	NX-OS 5.0
	N7K-F132XP-15	SFP-GE-S GLC-SX-MM SFP-GE-L GLC-LH-SM SFP-GE-Z GLC-ZX-SM GLC-T (1000BASE-T) SFP-GE-T (1000BASE-T)	NX-OS 5.1 — NX-OS 5.1 — NX-OS 5.1 — — —	NX-OS 5.1

**Table 10 Data Center and Blade Switching Support (continued)**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			DOM support	Cisco IOS or NX-OS Release
Cisco CSS 11500 Series	CSS11506-2AC CSS11506-2DC CSS11503-AC CSS11503-DC CSS11501 CSS5-SCM-2GE CSS5-IOM-2GE	GLC-T GLC-SX-MM GLC-LH-SM	—	WebNS 7.5
Cisco MDS 9000 Series	Please refer to: <a href="http://www/en/US/prod/collateral/ps4159/ps6409/ps4358/product_data_sheet09186a00801bc698.html">http://www/en/US/prod/collateral/ps4159/ps6409/ps4358/product_data_sheet09186a00801bc698.html</a>			

**Table 11 Router Support**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			DOM Support	Cisco IOS Release
Cisco 1941 Series Router	HWIC-1GE-SFP	GLC-T GLC-SX-MM GLC-LH-SM GLC-ZX-SM CWDM SFP	—	15.0(1)M
Cisco 2600 Series Router	NM-1GE	WS-G5483 WS-G5484 WS-G5486 WS-G5487 CWDM GBIC	—	12.2(11)YT
	NME-XD-24ES-1S-P NME-XD-48ES-2S-P	GLC-T GLC-SX-MM GLC-LH-SM GLC-ZX-SM	—	12.2(25)EZ
Cisco 2800 Series Router	NME-XD-24ES-1S-P NME-XD-48ES-2S-P	GLC-T GLC-SX-MM GLC-LH-SM GLC-ZX-SM	—	12.2(25)EZ
	HWIC-1GE-SFP	GLC-T GLC-SX-MM GLC-LH-SM GLC-ZX-SM CWDM SFP	—	12.3(8)T4



**Table 11 Router Support (continued)**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			DOM Support	Cisco IOS Release
Cisco 2900 Series Router	Cisco 2921 Cisco 2951	GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-BX-U GLC-BX-D CWDM SFP DWDM SFP	—	15.0(1)M
	HWIC-1GE-SFP	GLC-T GLC-SX-MM GLC-LH-SM GLC-ZX-SM CWDM SFP	—	15.0(1)M
	SM-D-ES3G-48-P SM-D-ES3-48-P SM-D-ES2-48	GLC-T GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-BX-U GLC-BX-D CWDM SFP DWDM SFP	—	15.0(1)M
Cisco 3200 Series Rugged Routers	Cisco 3270	GLC-SX-MM-RGD GLC-LX-SM-RGD	—	12.4(6)XE
Cisco 3600 Series Router	NM-1GE	WS-G5483 WS-G5484 WS-G5486 WS-G5487 CWDM GBIC	—	12.2(11)YT
Cisco 3700 Series Router	NM-1GE	WS-G5483 WS-G5484 WS-G5486 WS-G5487 CWDM GBIC	—	12.2(11)YT
	NME-XD-24ES-1S-P NME-XD-48ES-2S-P	GLC-T GLC-SX-MM GLC-LH-SM GLC-ZX-SM	—	12.2(25)EZ

**Table 11 Router Support (continued)**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			DOM Support	Cisco IOS Release
Cisco 3800 Series Router	NM-1GE	WS-G5483 WS-G5484 WS-G5486 WS-G5487 CWDM GBIC	—	12.2(11)YT
	NME-XD-24ES-1S-P NME-XD-48ES-2S-P	GLC-T GLC-SX-MM GLC-LH-SM GLC-ZX-SM	—	12.2(25)EZ
	HWIC-1GE-SFP	GLC-T GLC-SX-MM GLC-LH-SM GLC-ZX-SM CWDM SFP	—	12.3(8)T4
	Cisco 3825	GLC-SX-MM GLC-LH-SM GLC-ZX-SM CWDM SFP	—	12.3(11)T
	Cisco 3845	GLC-SX-MM GLC-LH-SM GLC-ZX-SM CWDM SFP	—	12.3(11)T
Cisco 3900 Series Router	Cisco 3925 Cisco 3945	GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-BX-U GLC-BX-D CWDM SFP DWDM SFP	—	15.0(1)M
	HWIC-1GE-SFP	GLC-T GLC-SX-MM GLC-LH-SM GLC-ZX-SM CWDM SFP	—	15.0(1)M
	SM-D-ES3G-48-P SM-D-ES3-48-P SM-D-ES2-48	GLC-T GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-BX-U GLC-BX-D CWDM SFP DWDM SFP	—	15.0(1)M
Cisco 6400 Universal Access Router	C6400-NRP-2SV	WS-G5484 WS-G5486 WS-G5487	—	12.2(2)B6

**Table 11 Router Support (continued)**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			DOM Support	Cisco IOS Release
<b>Cisco 7200 Series Router</b>  The Cisco 7200 series router supports multiple parallel release branches. Where several releases are grouped together, they provide support for all transceivers in the corresponding group.	NPE-G1	WS-G5484 WS-G5486 WS-G5487 CWDM GBIC	—	12.0(28)S 12.1(14)E 12.2(15)B 12.2(4)BW 12.2(14)S 12.2(14)SU 12.2(15)T9
	Cisco 7201	GLC-SX-MM	—	12.2(33)SRC2 12.4(15)T7 12.4(20)T1
		SFP-GE-T	—	12.2(33)SRC2 12.4(15)T7
		SFP-GE-S SFP-GE-L SFP-GE-Z CWDM SFP	—	12.2(31)SB2 12.2(33)SRC2 12.4(15)T7
		NPE-G2	GLC-SX-MM	—
	C7200-I/O-GE+E	SFP-GE-S SFP-GE-L SFP-GE-Z CWDM SFP	—	12.2(31)SB2 12.2(33)SRC2 12.4(15)T7
WS-G5484 WS-G5486 WS-G5487		—	12.0(14)S2 12.1(3a)E5 12.1(5)T1	
PA-GE	WS-G5484 WS-G5486 WS-G5487	—	12.0(7)S 12.0(6)T 12.1(1)E	
Cisco uBR7200 Series	uBR7200-NPE-G1	WS-G5484 WS-G5486 WS-G5487 CWDM GBIC	—	12.2(11)CX
	uBR7200-NPE-G2	SFP-GE-S SFP-GE-L SFP-GE-Z CWDM SFP	12.2SB	12.2SB

**Table 11 Router Support (continued)**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			DOM Support	Cisco IOS Release
Cisco 7300 Series Router	CISCO7301	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-ZX-SM	—	12.2(18)S1
	7300-NSE-100	WS-G5484 WS-G5486 WS-G5487	—	12.2(20)S
		WS-G5483 CWDM GBIC		12.2(28)SB
	7304-NPE-G100	GLC-SX-MM GLC-LH-SM GLC-ZX-SM CWDM SFP	—	12.2(20)S
7300-NSE-150	GLC-T GLC-SX-MM GLC-LH-SM GLC-ZX-SM  GLC-BX-D GLC-BX-U SFP-GE-S SFP-GE-L SFP-GE-Z CWDM SFP	—	12.2(31)SB2	
		12.2(31)SB2		
Cisco 7500 Series Router	GEIP	WS-G5484 WS-G5486 WS-G5487	—	Please see release notes
	GEIP+	WS-G5484 WS-G5486 WS-G5487	—	Please see release notes

**Table 11 Router Support (continued)**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			DOM Support	Cisco IOS Release
Cisco 7600 Series Router	OSM-1CHOC12/T1-SI OSM-1CHOC12/T3-SI OSM-2OC12-ATM-MM OSM-2OC12-ATM-SI OSM-2OC12-ATM-MM+ OSM-2OC12-ATM-SI+ OSM-4OC3-POS-SI OSM-4OC3-POS-SI+ OSM-4OC12-POS-SI OSM-4OC12-POS-SI+ OSM-8OC3-POS-MM OSM-8OC3-POS-SI OSM-8OC3-POS-SL OSM-8OC3-POS-SL+ OSM-8OC3-POS-SI+ OSM-16OC3-POS-MM OSM-16OC3-POS-SI OSM-16OC3-POS-SL OSM-16OC3-POS-SI+ OSM-2OC12-POS-MM OSM-2OC12-POS-SI OSM-2OC12-POS-SL OSM-2OC12-POS-SI+ OSM-2OC12-POS-MM+ OSM4OC12-POS-MM OSM4OC12-POS-SI OSM4OC12-POS-SL OSM4OC12-POS-SI+ OSM-1OC48-POS-SI OSM-1OC48-POS-SL OSM-1OC48-POS-SS OSM-1OC48-POS-SS+ OSM-1OC48-POS-SI+ OSM-1OC48-POS-SL+ OSM-2OC48/1DPT-SS OSM-2OC48/1DPT-SI OSM-2OC48/1DPT-SL OSM-2+4GE-WAN+ OSM-4GE-WAN-GBIC	WS-G5484 WS-G5486 WS-G5487 CWDM GBIC	—	Please see release notes
	WS-SUP720 WS-SUP720-3B WS-SUP720-3BXL	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-ZX-SM CWDM SFP	—    12.2(33)SRA	12.2(33)SRA

**Table 11 Router Support (continued)**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required		
			DOM Support	Cisco IOS Release	
Cisco 7600 Series Router (continued)	WS-SUP32-GE-3B	GLC-T (1000BASE-T)	—	12.2(33)SRA	
		GLC-SX-MM			
		GLC-LH-SM			
		GLC-ZX-SM			
			GLC-BX-D	12.2(33)SRA	12.2(33)SRA
			GLC-BX-U		
			CWDM SFP	12.2(33)SRB	12.2(33)SRB
			DWDM SFP	12.2(33)SRE	12.2(33)SRE
	WS-X6724-SFP WS-X6748-SFP	WS-X6724-SFP WS-X6748-SFP	GLC-T (1000BASE-T)	—	12.2(33)SRA
			GLC-SX-MM		
			GLC-LH-SM		
			GLC-ZX-SM		
GLC-BX-D					
GLC-BX-U					
			CWDM SFP		
			SFP-GE-T (1000BASE-T)	—	12.2(33)SRB
			SFP-GE-S		
			SFP-GE-L		
RSP720-3C-GE RSP720-3CXL-GE	RSP720-3C-GE RSP720-3CXL-GE	GLC-T (1000BASE-T)	—	12.2(33)SRB	
		GLC-SX-MM			
		GLC-LH-SM			
		GLC-ZX-SM			
			SFP-GE-T (1000BASE-T)	—	12.2(33)SRE1
			GLC-BX-D	12.2(33)SRE1	12.2(33)SRE1
			GLC-BX-U		
			CWDM SFP		
			DWDM SFP		
			SFP-GE-S		
			SFP-GE-L		
			RSP720-10GE		GLC-T (1000BASE-T)
GLC-SX-MM					
GLC-LH-SM					
GLC-ZX-SM					
		SFP-GE-T (1000BASE-T)			
		GLC-BX-D	12.2(33)SRC	12.2(33)SRC	
		GLC-BX-U			
		SFP-GE-S			
		SFP-GE-L			
		CWDM SFP	12.2(33)SRE1	12.2(33)SRE1	
		DWDM SFP			

**Table 11 Router Support (continued)**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			DOM Support	Cisco IOS Release
Cisco 7600 Series Router (continued)	7600-ES20-GE3CXL 7600-ES20-GE3C	SFP-GE-S	12.2(33)SRB	12.2(33)SRB
		SFP-GE-L		
		SFP-GE-Z		
	7600-ES+20G3C 7600-ES+20G3CXL 7600-ES+40G3C 7600-ES+40G3CXL	SFP-GE-T	—	12.2(33)SRB3
		CWDM SFP	12.2(33)SRB3	
		GLC-BX-D	12.2(33)SRD	12.2(33)SRD
		GLC-BX-U		
	DWDM SFP			
	SFP-GE-T	—	12.2(33)SRD	
	SFP-GE-S	12.2(33)SRD	12.2(33)SRD	
	SFP-GE-L			
	SFP-GE-Z			
	GLC-BX-D			
	GLC-BX-U			
	CWDM SFP			
	DWDM SFP			
Cisco 10000 Series Router	ESR-1GE	WS-G5484 WS-G5486 WS-G5487	—	Please see release notes
	ESR-HH-1GE	SFP-GE-T	—	12.0(23)S
		SFP-GE-S	12.0(23)S	12.0(23)S
		SFP-GE-L		
		SFP-GE-Z		
Cisco uBR10000 Series Router	UBR10-1GE	WS-G5484 WS-G5486 WS-G5487	—	Please see release notes
	ESR-HH-1GE	SFP-GE-T	—	12.3(13)BC
		SFP-GE-S	12.3(13)BC	12.3(13)BC
		SFP-GE-L		
		SFP-GE-Z		
Cisco RF Gateway Series	RFGW-X4516-10GE	SFP-GE-S	12.2(44)SQ	12.2(44)SQ
		SFP-GE-L		
	RFGW-DS48	SFP-GE-T	—	12.2(44)SQ
		SFP-GE-S	12.2(44)SQ	12.2(44)SQ
		SFP-GE-L		
Cisco 10700 Series Internet Router	10720-GE-FE-TX 10720-GE-FE-TX-B	SFP-GE-T	—	12.0(27)S
		SFP-GE-S	12.0(26)S	12.0(26)S
		SFP-GE-L		
		SFP-GE-Z		
		CWDM SFP	12.0(31)S	12.0(31)S

**Table 11 Router Support (continued)**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			DOM Support	Cisco IOS Release
Cisco 12000 Series Router	3GE-GBIC-SC	WS-G5484 WS-G5486 WS-G5487 CWDM GBIC	—	12.0(11)S3  12.0(32)S
	10x1GE-SFP-LC-B	GLC-SX-MM GLC-LH-SM	—	12.0(21)S
	4GE-SFP-LC	GLC-SX-MM GLC-LH-SM GLC-ZX-SM CWDM SFP	—	12.0(25)S  12.0(32)S
	EPA-3GE-SX/LH-LC	GLC-SX-MM GLC-LH-SM GLC-ZX-SM	—	12.0(23)S
Shared Port Adapters (SPAs)	SPA-2X1GE SPA-5X1GE SPA-8X1GE SPA-10X1GE SPA-5X1GE-V2 SPA-8X1GE-V2 SPA-10X1GE-V2	SFP-GE-T SFP-GE-S SFP-GE-L SFP-GE-Z CWDM SFP DWDM SFP	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.	
	SPA-2GE-7304 SPA-2X1GE-V2	SFP-GE-S SFP-GE-L SFP-GE-Z CWDM SFP DWDM SFP		
CRS-1 Router Series	CRS-16-RP	GLC-LH-SM	—	XR 2.0
	CRS-16-RP-B	GLC-LH-SM	—	XR 3.3
	CRS-FCC-SC-22GE	GLC-LH-SM	—	XR 3.4.1
	42-1GE 20-1GE-FLEX	SFP-GE-T (1000BASE-T) SFP-GE-S SFP-GE-L SFP-GE-Z	— XR 3.8.1	XR 3.8.1 XR 3.8.1
CRS-3 Router Series	42-1GE	SFP-GE-T (1000BASE-T)	—	XR 4.0
	20-1GE-FLEX	SFP-GE-S SFP-GE-L SFP-GE-Z	XR 4.0	XR 4.0



**Table 11 Router Support (continued)**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required		
			DOM Support	Cisco IOS Release	
ASR 1000 Series Router	ASR1002	SFP-GE-T	—	XE 2.1	
		SFP-GE-S	XE 2.1	XE 2.1	
		SFP-GE-L			
		SFP-GE-Z			
		CWDM SFP			
		DWDM SFP	XE 2.2	XE 2.2	
ASR 9000 Router Series	A9K-40GE-B A9K-40GE-E	SFP-GE-T (10/100/1000)	—	XR 3.7.2	
		SFP-GE-S	XR 3.7.1	XR 3.7.1	
		SFP-GE-L			
			SFP-GE-Z		
			GLC-BX-D		
			GLC-BX-U		
		CWDM SFP			
		DWDM SFP			
	A9K-2T20GE	SFP-GE-T (10/100/1000)	—	XR 3.9.0	
		SFP-GE-S	XR 3.9.0	XR 3.9.0	
		SFP-GE-L			
		SFP-GE-Z			
		GLC-BX-D			
		GLC-BX-U			
		CWDM SFP			
		DWDM SFP			
Cisco MWR 2900 Mobile Wireless Routers	MWR-2941-DC	SFP-GE-S	12.4(19)MR1	12.4(19)MR1	
		SFP-GE-L			
		SFP-GE-Z			
		GLC-SX-MM-RGD	—	12.4(19)MR1	
		GLC-LX-SM-RGD			
		GLC-ZX-SM-RGD			

**Table 12 Appliance Support**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			DOM Support	Cisco IOS Release
ASA5500 Series appliances	SSM-4GE	GLC-SX-MM GLC-LH-SM	—	ASA 7.0
NAM 2200 Series appliances	NAM2204-SFP	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM	—	NAM 4.0

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## Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

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