



# 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 minimum 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](#)
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- [Table 11, Data Center and Blade Switching Support](#)
- [Table 12, Router Support](#)
- [Table 13, Appliance Support](#)
- [Table 14, Wireless LAN Controllers 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
GLC-2BX-D=	Dual-channel 1000BASE-BX10 SFP module for single-strand SMF, 1490-nm TX/1310-nm RX wavelength, two single LC/PC connectors
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, 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
GLC-SX-MMD=	1000BASE-SX SFP transceiver module for MMF, 850-nm wavelength, extended operating temperature range and DOM support, dual LC/PC connector
GLC-LH-SMD=	1000BASE-LX/LH SFP transceiver module for MMF and SMF, 1300-nm wavelength, extended operating temperature range and DOM support, dual LC/PC connector

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

<b>Model Number</b>	<b>Description</b>
<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
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

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

Model Number	Description
<b>DWDM SFP Transceivers (continued)</b>	
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
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

**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	GLC-SX-MM	—	12.2(25)FY
	WS-CE500-24PC	GLC-LH-SM		
	WS-CE500G-12TC	GLC-SX-MMD GLC-LH-SMD		
Catalyst Express 520	WS-CE520-8PC-K9	GLC-SX-MM GLC-LH-SM GLC-SX-MMD GLC-LH-SMD	—	12.2(35)EX
	WS-CE520-24LC-K9 WS-CE520-24PC-K9 WS-CE520G-24TC-K9	GLC-SX-MM GLC-LH-SM GLC-SX-MMD GLC-LH-SMD		

**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 ME2600X	ME2600X-44FA-D-K9= ME2600X-44FE-D-K9= ME2600X-44FA-A-K9=	GLC-BX-D GLC-BX-U	—	15.2(02)SA
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-SX-MMD GLC-LH-SMD	12.2(46)SE	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
Cisco ME 3400 (continued)	ME-3400G-12CS-A ME-3400G-12CS-D	GLC-T (10/100/1000) GLC-SX-MM GLC-LH-SM	—	12.2(25)SEG1
		GLC-SX-MMD GLC-LH-SMD	12.2(46)SE	12.2(25)SEG1
		GLC-ZX-SM GLC-BX-D GLC-BX-U	12.2(46)SE 12.2(44)SE 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 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
	ME-3400G-2CS-A	GLC-T (10/100/1000)	—	12.2(35)SE1
		GLC-SX-MM	—	
		GLC-LH-SM	—	
		GLC-SX-MMD	12.2(46)SE	12.2(35)SE1
		GLC-LH-SMD		
		GLC-ZX-SM	12.2(46)SE	12.2(35)SE1
		GLC-BX-D	12.2(44)SE	
		GLC-BX-U	12.2(44)SE	
		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		
		SFP-GE-T (10/100/1000)	—	12.2(46)SE
		GLC-EX-SMD	12.2(52)SE	12.2(52)SE
Cisco ME 3400 (continued)	ME-3400-24FS-A	GLC-T (10/100/1000)	—	12.2(40)SE
		GLC-SX-MM	—	
		GLC-LH-SM	—	
		GLC-ZX-SM	12.2(46)SE	
		GLC-SX-MMD	12.2(46)SE	
		GLC-LH-SMD	12.2(46)SE	
		GLC-BX-D	12.2(44)SE	12.2(40)SE
		GLC-BX-U		
		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		
		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
	ME-3400E-24TS-M ME-3400EG-2CS-A ME-3400EG-12CS-M	GLC-T (10/100/1000)	—	12.2(44)EY
		GLC-SX-MM	12.2(44)EY	12.2(44)EY
		GLC-LH-SM		
		GLC-SX-MMD		
		GLC-LH-SMD		
		GLC-ZX-SM		
		GLC-BX-D		
		GLC-BX-U		
		CWDM SFP		
		DWDM SFP		
		SFP-GE-S		
SFP-GE-L				
SFP-GE-Z				
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 (1000BASE-T)	—	12.1(14)AX
		GLC-SX-MM	—	
		GLC-LH-SM	—	
		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		
		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		
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 (SFP ports)	GLC-T (10/100/1000) GLC-SX-MM GLC-LH-SM SFP-GE-T (10/100/1000)	—	12.2(52)EY
		GLC-SX-MMD GLC-LH-SMD GLC-ZX-SM SFP-GE-S SFP-GE-L  GLC-BX-U (CPN 10-2094-02) GLC-BX-D (CPN 10-2093-02)  CWDM SFP DWDM SFP DWDM SFP (add.) GLC-EX-SMD GLC-ZX-SM	12.2(52)EY           15.1(2)EY	12.2(52)EY           15.1(2)EY
	ME-3600X-24FS-M ME-3600X-24TS-M (SFP+ ports)	GLC-SX-MM GLC-LH-SM  GLC-SX-MMD GLC-LH-SMD GLC-ZX-SM SFP-GE-S SFP-GE-L 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 3600X (continued)	ME-3600X-24CX-M	SFP-GE-Z	15.3(1)S	15.3(1)S
		GLC-SX-MM-RGD	15.2(2)S1	15.2(2)S1
		GLC-LX-SM-RGD		
		GLC-ZX-SM-RGD		
		GLC-SX-MMD		
		GLC-EX-SMD		
		GLC-LH-SMD		
		SFP-GE-L		
		SFP-GE-S		
		GLC-LH-SM		
		GLC-SX-MM		
		GLC-T		
		SFP-GE-T		
		GLC-BX-U		
		GLC-BX-D		
CWDM SFP				
DWDM SFP				
DWDM SFP (add.)				
Cisco ME 3800X	ME-3800X-24FS-M (client ports)	GLC-T (10/100/1000)	—	12.2(52)EY
		GLC-SX-MM	12.2(52)EY	12.2(52)EY
		GLC-LH-SM		
		SFP-GE-T (10/100/1000)		
		GLC-SX-MMD		
		GLC-LH-SMD		
	GLC-EX-SMD			
	GLC-ZX-SM			
	SFP-GE-S			
	SFP-GE-L			
	GLC-BX-D			
	GLC-BX-U			
CWDM SFP				
DWDM SFP				
DWDM SFP (add.)				
Cisco ME 3800X	ME-3800X-24FS-M (SFP+ ports)	GLC-SX-MM	—	12.2(52)EY
		GLC-LH-SM	12.2(52)EY	12.2(52)EY
		GLC-SX-MMD		
		GLC-LH-SMD		
		GLC-ZX-SM		
		SFP-GE-S		
SFP-GE-L				
CWDM SFP				
DWDM SFP				
DWDM SFP (add.)				

**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) GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-SX-MMD GLC-LH-SMD	—	12.2(31)SGA
		GLC-BX-D GLC-BX-U CDWM SFP	12.2(31)SGA	12.2(31)SGA
		DWDM SFP	12.2(37)SG	12.2(37)SG
Cisco ME 6500 Series	ME-C6524GS-8S ME-C6524GT-8S	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-BX-D GLC-BX-U CDWM SFP GLC-SX-MMD GLC-LH-SMD	—	12.2(18)ZU
		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	—	
		WS-C2948G	WS-G5483 WS-G5484 WS-G5486 WS-G5487 CWDM GBIC	7.2	—
			WS-C2948G-L3	WS-G5483 WS-G5484 WS-G5486 WS-G5487 CWDM GBIC	7.2

**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-GE-TX	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-ZX-SMD CWDM SFP	8.2(1)GLX	—
	WS-C2912MF-XL with WS-X2931-XL	WS-G5482	—	12.0(5)XW
		WS-G5483 WS-G5484 WS-G5486 WS-G5487 CWDM GBIC	—	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	—
WS-C2924M-XL-EN-DC with WS-X2931-XL	WS-G5483 WS-G5484 WS-G5486 WS-G5487 CWDM GBIC	—	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 GLC-ZX-SMD CWDM SFP GLC-SX-MMD GLC-LH-SMD	—	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	—	12.1(6)EA2b    12.1(12c)EA1
		DWDM GBIC		12.1(20)EA2

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

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Catalyst Operating System	Cisco IOS Release
Catalyst 2950 Series (continued)	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 GLC-ZX-SMD CWDM SFP GLC-SX-MMD GLC-LH-SMD	—	12.1(19)EA1c
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-ZX-SMD GLC-BX-D GLC-BX-U CWDM SFP GLC-SX-MMD GLC-LH-SMD	—	12.2(25)FX
	WS-C2960-24PC-L	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-ZX-SMD GLC-BX-D GLC-BX-U CWDM SFP GLC-SX-MMD GLC-LH-SMD	—	12.2(44)SE
	WS-C2960-24TC-S WS-C2960-48TC-S	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-SX-MMD GLC-LH-SMD	—	12.2(37)EY
	WS-C2960-8TC-S	GLC-SX-MM GLC-LH-SM GLC-SX-MMD GLC-LH-SMD	—	12.2(46)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-C2960-48PST-L	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-ZX-SMD GLC-BX-D GLC-BX-U CWDM SFP GLC-SX-MMD GLC-LH-SMD	—	12.2(46)SE
	WS-C2960-8TC-L WS-C2960G-8TC-L	GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-ZX-SMD GLC-BX-D GLC-BX-U CWDM SFP GLC-SX-MMD GLC-LH-SMD	—	12.2(35)SE
	WS-C2960G-48TC-L	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-ZX-SMD GLC-BX-D GLC-BX-U CWDM SFP GLC-SX-MMD GLC-LH-SMD	—	12.2(25)SEE
	WS-C2960-48PST-S WS-C2960-24PC-S WS-C2960-24LC-S	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-SX-MMD GLC-LH-SMD	—	12.2(50)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-Plus Series	WS-C2960+48PST-L WS-C2960+24PC-L WS-C2960+24LC-L WS-C2960+48TC-L WS-C2960+24TC-L	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-BX-D GLC-BX-U CWDM SFP GLC-SX-MMD GLC-LH-SMD	—	15.0(2)EZ
	WS-C2960+48PST-S WS-C2960+24PC-S WS-C2960+24LC-S WS-C2960+48TC-S WS-C2960+24TC-S	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-SX-MMD GLC-LH-SMD	—	15.0(2)EZ
Catalyst 2960-S Series	WS-C2960S-24TS-S WS-C2960S-48TS-S	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-SX-MMD GLC-LH-SMD  GLC-EX-SMD (CPN 10-2624-01 or later only)	—	12.2(53)SE1  IOS 12.2(58)SE
	WS-C2960S-48FPS-L WS-C2960S-48LPS-L WS-C2960S-24PS-L WS-C2960S-48TS-L WS-C2960S-24TS-L	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-ZX-SMD GLC-BX-D GLC-BX-U CWDM SFP GLC-SX-MMD GLC-LH-SMD  GLC-EX-SMD (CPN 10-2624-01 or later only)	—	12.2(53)SE1  IOS 12.2(58)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-S Series (continued)	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-ZX-SMD GLC-BX-D GLC-BX-U CWDM SFP GLC-SX-MMD GLC-LH-SMD  GLC-EX-SMD (CPN 10-2624-01 or later only)	—	12.2(53)SE1          IOS 12.2(58)SE
	2960S-F48TS-S 2960S-F24TS-S	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-SX-MMD GLC-LH-SMD GLC-EX-SMD (CPN 10-2624-01 or later only)	—	15.0(2)SE
	2960S-F48FPS-L 2960S-F48LPS-L 2960S-F24PS-L 2960S-F48TS-L 2960S-F24TS-L	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-ZX-SMD GLC-BX-D GLC-BX-U CWDM SFP GLC-SX-MMD GLC-LH-SMD GLC-EX-SMD (CPN 10-2624-01 or later only)	—	15.0(2)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-C Series	WS-C2960CG-8TC-L	GLC-SX-MM GLC-SX-MMD GLC-LH-SM GLC-LH-SMD GLC-ZX-SM GLC-ZX-SMD GLC-BX-D GLC-BX-U CWDM SFP  GLC-EX-SMD (CPN 10-2624-01 or later only)	—	12.2(55)EX1          15.0(2)SE
	WS-C2960C-8TC-S	GLC-SX-MM GLC-SX-MMD GLC-LH-SM GLC-LH-SMD  GLC-EX-SMD (CPN 10-2624-01 or later only)	—	12.2(55)EX3       15.0(2)SE
	WS-C2960C-8TC-L WS-C2960C-8PC-L WS-C2960C-12PC-L	GLC-SX-MM GLC-SX-MMD GLC-LH-SM GLC-LH-SMD GLC-ZX-SM GLC-ZX-SMD GLC-BX-D GLC-BX-U CWDM SFP  GLC-EX-SMD (CPN 10-2624-01 or later only)	—	12.2(55)EX3          15.0(2)SE
Catalyst 2960-X Series	WS-C2960X-24TS-LL WS-C2960X-48TS-LL	GLC-LH-SMD GLC-SX-MMD GLC-EX-SMD (CPN 10-2624-01 or later only) GLC-T GLC-TE GLC-LH-SM GLC-SX-MM	15.0(2)EX	15.0(2)EX

**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-X Series (continued)	WS-C2960X-24PSQ-L	GLC-BX-D GLC-BX-U GLC-LH-SMD GLC-SX-MMD GLC-EX-SMD (CPN 10-2624-01 or later only) GLC-ZX-SMD GLC-T GLC-ZX-SM GLC-LH-SM GLC-SX-MM	15.0(2)EX	15.0(2)EX
	WS-C2960X-24PS-L WS-C2960X-24TS-L WS-C2960X-48TS-L WS-C2960X-48LPS-L WS-C2960X-48FPS-L WS-C2960X-24TD-L WS-C2960X-24PD-L WS-C2960X-48TD-L WS-C2960X-48LPD-L WS-C2960X-48FPD-L	GLC-BX-D GLC-BX-U GLC-LH-SMD GLC-SX-MMD GLC-EX-SMD (CPN 10-2624-01 or later only) GLC-ZX-SMD GLC-T GLC-TE GLC-ZX-SM GLC-LH-SM GLC-SX-MM CWDM-SFP	15.0(2)EX	15.0(2)EX
Catalyst 2960-XR Series	WS-C2960XR-24TS-I WS-C2960XR-48TS-I WS-C2960XR-24PS-I WS-C2960XR-48LPS-I WS-C2960XR-48FPS-I WS-C2960XR-24TD-I WS-C2960XR-48TD-I WS-C2960XR-24PD-I WS-C2960XR-48LPD-I WS-C2960XR-48FPD-I	GLC-BX-D GLC-BX-U GLC-LH-SMD GLC-SX-MMD GLC-EX-SMD (CPN 10-2624-01 or later only) GLC-ZX-SMD GLC-T GLC-TE GLC-ZX-SM GLC-LH-SM GLC-SX-MM CWDM-SFP	15.0(2)EX1	15.0(2)EX1

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

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Catalyst Operating System	Cisco IOS Release
Catalyst 2970 series	WS-C2970G-24TS-E	GLC-T (10/100/1000) GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-ZX-SMD GLC-SX-MMD GLC-LH-SMD	—	12.1(14)EA1
Catalyst 2975 Series	WS-C2975GS-48PS-L	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-ZX-SMD CWDM SFP GLC-SX-MMD GLC-LH-SMD	—	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-C3512-XL-EN WS-C3524-XL-EN WS-C3524-PWR-XL-EN WS-C3548-XL-EN	WS-G5482 WS-G5483 WS-G5484 WS-G5486 WS-G5487 CWDM GBIC	—	12.0(5)XW 12.0(5)WC3b
Catalyst 3550 Series	WS-C3550-24-SMI WS-C3550-24-EMI WS-C3550-24-DC-SMI	WS-G5482 WS-G5483 WS-G5484 WS-G5486 WS-G5487 CWDM GBIC DWDM GBIC	—	12.1(6)EA1a 12.1(8)EA1b 12.1(12c)EA1 12.1(20)EA2
	WS-C3550-24-FX-SMI WS-C3550-24PWR-SMI WS-C3550-24PWR-EMI	WS-G5482 WS-G5483 WS-G5484 WS-G5486 WS-G5487 CWDM GBIC DWDM GBIC	—	12.1(12c)EA1 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 3550 Series (continued)	WS-C3550-48-SMI WS-C3550-48-EMI	WS-G5482 WS-G5483 WS-G5484 WS-G5486 WS-G5487  CWDM GBIC DWDM GBIC	—	12.1(8)EA1b      12.1(12c)EA1 12.1(20)EA2	
	WS-C3550-12G WS-C3550-12T	WS-G5482 WS-G5483 WS-G5484 WS-G5486 WS-G5487  CWDM GBIC DWDM GBIC	—	12.1(6)EA1 12.1(8)EA1b    12.1(12c)EA1 12.1(20)EA2	
Catalyst 3560 Series	WS-C3560-24PS WS-C3560-48PS	GLC-T (10/100/1000) GLC-SX-MM GLC-LH-SM	—	12.1(19)EA1c	
		GLC-SX-MMD GLC-LH-SMD GLC-ZX-SM GLC-ZX-SMD 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	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-C3560G-24TS WS-C3560G-48TS WS-C3560G-48PS WS-C3560G-24PS	GLC-T (10/100/1000)	—	12.2(20)SE3
		GLC-SX-MM GLC-LH-SM		
		GLC-SX-MMD GLC-LH-SMD GLC-ZX-SM GLC-ZX-SMD CWDM SFP SFP-GE-S SFP-GE-L SFP-GE-Z	12.2(46)SE	12.2(20)SE3
		GLC-BX-D GLC-BX-U	12.2(46)SE	12.2(25)SEB
		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 GLC-LH-SM	—	12.2(20)SE3
			12.2(46)SE	12.2(20)SE3
		GLC-SX-MMD GLC-LH-SMD GLC-ZX-SM GLC-ZX-SMD CWDM SFP SFP-GE-S SFP-GE-L SFP-GE-Z	12.2(46)SE	12.2(25)SEB
12.2(46)SE			12.2(40)SE	
12.2(52)SE			12.2(52)SE	
WS-C3560-8PC	GLC-T (10/100/1000) GLC-SX-MM GLC-LH-SM GLC-SX-MMD GLC-LH-SMD	—	12.2(35)SE	
		12.2(46)SE	12.2(35)SE	
	GLC-ZX-SM GLC-ZX-SMD CWDM SFP GLC-BX-D GLC-BX-U	12.2(46)SE	12.2(40)SE	
		12.2(46)SE	12.2(40)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-C3560-12PC-S	GLC-SX-MM GLC-LH-SM GLC-SX-MMD GLC-LH-SMD	—	12.2(46)SE
		GLC-ZX-SM GLC-ZX-SMD 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) GLC-SX-MM GLC-LH-SM	—	12.2(50)SE
		GLC-SX-MMD GLC-LH-SMD GLC-ZX-SM GLC-ZX-SMD 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
		GLC-EX-SMD (CPN 10-2624-01 or later only)	12.2(58)SE	12.2(58)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-SX-MMD	12.2(46)SE	12.2(35)SE2
		GLC-LH-SMD		
		GLC-ZX-SM		
		GLC-ZX-SMD		
		GLC-BX-D		
		GLC-BX-U		
		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		
GLC-EX-SMD (CPN 10-2624-01 or later only)	12.2(58)SE	12.2(58)SE		
WS-C3560E-12D With CVR-X2-SFP (for X2 ports)		GLC-T (10/100/1000)	—	12.2(40)EX
		GLC-SX-MM		
		GLC-LH-SM		
		GLC-SX-MMD	12.2(46)SE	12.2(40)EX
		GLC-LH-SMD		
		GLC-ZX-SM		
		GLC-ZX-SMD		
		GLC-BX-D		
		GLC-BX-U		
		CWDM SFP		
DWDM SFP				
SFP-GE-S				
SFP-GE-L				
SFP-GE-Z				
DWDM SFP (add.)	12.2(52)SE	12.2(52)SE		
GLC-EX-SMD (CPN 10-2624-01 or later only)	12.2(58)SE	12.2(58)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	GLC-T (10/100/1000)	—	12.2(44)SE
		GLC-SX-MM		
		GLC-LH-SM		
		GLC-SX-MMD	12.2(46)SE	12.2(44)SE
		GLC-LH-SMD		
		GLC-ZX-SM		
		GLC-ZX-SMD		
		GLC-BX-D		
		GLC-BX-U		
		CWDM SFP		
	DWDM SFP			
	SFP-GE-S			
	SFP-GE-L			
	SFP-GE-Z			
	DWDM SFP (add.)	12.2(52)SE	12.2(52)SE	
	GLC-EX-SMD (CPN 10-2624-01 or later only)	12.2(58)SE	12.2(58)SE	
	WS-C3560E-12SD With CVR-X2-SFP (for X2 ports)	GLC-T (10/100/1000)	—	12.2(44)SE
		GLC-SX-MM		
		GLC-LH-SM		
		GLC-SX-MMD	12.2(46)SE	12.2(44)SE
		GLC-LH-SMD		
		GLC-ZX-SM		
		GLC-ZX-SMD		
		GLC-BX-D		
		GLC-BX-U		
		CWDM SFP		
		DWDM SFP		
		SFP-GE-S		
		SFP-GE-L		
		SFP-GE-Z		
		DWDM SFP (add.)	12.2(52)SE	12.2(52)SE
		GLC-EX-SMD (CPN 10-2624-01 or later only)	12.2(58)SE	12.2(58)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-X Series	WS-C3560X-24T WS-C3560X-48T WS-C3560X-24P WS-C3560X-48P WS-C3560X-48PF  With C3KX-NM-1G and C3KX-NM-10G (slots 1 and 3) network modules	GLC-T (10/100/1000) GLC-SX-MM GLC-LH-SM  GLC-SX-MMD GLC-LH-SMD GLC-ZX-SM GLC-ZX-SMD GLC-BX-D GLC-BX-U SFP-GE-S SFP-GE-L SFP-GE-Z CWDM SFP DWDM SFP DWDM SFP (add.)  GLC-EX-SMD (CPN 10-2624-01 or later only)	—  12.2(53)SE  12.2(58)SE	12.2(53)SE  12.2(53)SE  12.2(58)SE
	WS-C3560X-24T WS-C3560X-48T WS-C3560X-24P WS-C3560X-48P WS-C3560X-48PF  With C3KX-NM-10G (slots 2 and 4) and C3KX-SM-10G network modules	GLC-SX-MM GLC-LH-SM  GLC-SX-MMD GLC-LH-SMD GLC-ZX-SM GLC-ZX-SMD GLC-BX-D GLC-BX-U SFP-GE-S SFP-GE-L SFP-GE-Z CWDM SFP DWDM SFP DWDM SFP (add.)  GLC-EX-SMD (CPN 10-2624-01 or later only)	—  12.2(53)SE  12.2(58)SE	12.2(53)SE  12.2(53)SE  12.2(58)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-C Series	WS-C3560CG-8TC-S WS-C3560CG-8PC-S	GLC-SX-MM GLC-SX-MMD GLC-LH-SM GLC-LH-SMD GLC-ZX-SM GLC-ZX-SMD GLC-BX-D GLC-BX-U CWDM SFP  GLC-EX-SMD (CPN 10-2624-01 or later only)	—	12.2(55)EX          15.0(2)SE
	WS-C3560C-8PC-S WS-C3560C-12PC-S	GLC-SX-MM GLC-SX-MMD GLC-LH-SM GLC-LH-SMD GLC-ZX-SM GLC-ZX-SMD GLC-BX-D GLC-BX-U CWDM SFP  GLC-EX-SMD (CPN 10-2624-01 or later only)	—	12.2(55)EX3          15.0(2)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			
		GLC-SX-MMD GLC-LH-SMD GLC-ZX-SM GLC-ZX-SMD 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 DWDM SFP DWDM SFP (add.)	12.2(46)SE 12.2(46)SE 12.2(46)SE 12.2(52)SE	12.2(25)SEB 12.2(40)SE 12.2(52)SE	
	WS-C3750-24TS WS-C3750-48TS	GLC-T (10/100/1000) GLC-SX-MM GLC-LH-SM		—	12.1(14)EA1
			GLC-SX-MMD GLC-LH-SMD	12.2(46)SE	12.1(14)EA1
			GLC-ZX-SM GLC-ZX-SMD 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 DWDM SFP DWDM SFP (add.)	12.2(46)SE 12.2(46)SE 12.2(46)SE 12.2(52)SE	12.2(25)SEB 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-C3750-24PS WS-C3750-48PS	GLC-T (10/100/1000)	—	12.1(19)EA1c
		GLC-SX-MM		
		GLC-LH-SM		
		GLC-SX-MMD	12.2(46)SE	12.1(19)EA1c
		GLC-LH-SMD		
		GLC-ZX-SM		
		GLC-ZX-SMD		
		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-C3750-24FS-S	WS-C3750-24FS-S	GLC-T (10/100/1000)	—	12.2(25)SEB
		GLC-SX-MM		
		GLC-LH-SM		
		GLC-SX-MMD	12.2(46)SE	12.2(25)SEB
		GLC-LH-SMD		
		GLC-ZX-SM		
		GLC-ZX-SMD		
		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		

**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-C3750-24WFS	GLC-T (1000BASE-T)	—	12.2(25)FZ
		GLC-SX-MM		
GLC-LH-SM				
GLC-SX-MMD		12.2(46)SE	12.2(25)FZ	
GLC-LH-SMD				
GLC-ZX-SM				
GLC-ZX-SMD				
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 WS-C3750V2-24FS (uplink ports)	GLC-T (10/100/1000)	—	12.2(50)SE
		GLC-SX-MM		
		GLC-LH-SM		
		GLC-SX-MMD	12.2(50)SE	12.2(50)SE
		GLC-LH-SMD		
		GLC-ZX-SM		
		GLC-ZX-SMD		
		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		
GLC-EX-SMD (CPN 10-2624-01 or later only)	12.2(58)SE	12.2(58)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	GLC-T (10/100/1000)	—	12.2(35)SE2
	WS-C3750E-24PD	GLC-SX-MM		
	WS-C3750E-48TD	GLC-LH-SM		
	WS-C3750E-48PD	GLC-SX-MMD	12.2(46)SE	12.2(35)SE2
	WS-C3750E-48PDF	GLC-LH-SMD		
	With CVR-X2-SFP (for X2 ports)	GLC-ZX-SM		
		GLC-ZX-SMD		
		GLC-BX-D		
		GLC-BX-U		
		CWDM SFP		
SFP-GE-S				
SFP-GE-L				
SFP-GE-Z				
DWDM SFP		12.2(44)SE	12.2(40)SE	
DWDM SFP (add.)		12.2(52)SE	12.2(52)SE	
GLC-EX-SMD (CPN 10-2624-01 or later only)	12.2(58)SE	12.2(58)SE		
Catalyst 3750-X Series	WS-C3750X-24T	GLC-T (10/100/1000)	—	12.2(53)SE
	WS-C3750X-48T	GLC-SX-MM		
	WS-C3750X-24P	GLC-LH-SM		
	WS-C3750X-48P	GLC-SX-MMD	12.2(53)SE	12.2(53)SE
	WS-C3750X-48PF	GLC-LH-SMD		
	With C3KX-NM-1G and C3KX-NM-10G (slots 1 and 3) network modules	GLC-ZX-SM		
		GLC-ZX-SMD		
		GLC-BX-D		
		GLC-BX-U		
		CWDM SFP		
SFP-GE-S				
SFP-GE-L				
SFP-GE-Z				
DWDM SFP				
DWDM SFP (add.)				
GLC-EX-SMD (CPN 10-2624-01 or later only)	12.2(58)SE	12.2(58)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-X Series (continued)	WS-C3750X-24T WS-C3750X-48T WS-C3750X-24P WS-C3750X-48P WS-C3750X-48PF  With C3KX-NM-10G (slots 2 and 4) and C3KX-SM-10G network modules	GLC-SX-MM GLC-LH-SM  GLC-SX-MMD GLC-LH-SMD GLC-ZX-SM GLC-ZX-SMD GLC-BX-D GLC-BX-U CWDM SFP SFP-GE-S SFP-GE-L SFP-GE-Z DWDM SFP DWDM SFP (add.)  GLC-EX-SMD (CPN 10-2624-01 or later only)	—  12.2(53)SE          12.2(58)SE	12.2(53)SE   12.2(53)SE          12.2(58)SE
	WS-C3750X-12S WS-C3750X-24S  Client ports and uplink ports with C3KX-NM-1G and C3KX-NM-10G (slots 1 and 3) network modules	GLC-T (10/100/1000) GLC-SX-MM GLC-LH-SM  GLC-SX-MMD GLC-LH-SMD GLC-ZX-SM GLC-ZX-SMD GLC-BX-D GLC-BX-U CWDM SFP SFP-GE-S SFP-GE-L SFP-GE-Z DWDM SFP DWDM SFP (add.)  GLC-EX-SMD (CPN 10-2624-01 or later only)	—    12.2(55)SE5          12.2(58)SE	12.2(55)SE5   12.2(55)SE5          12.2(58)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-X Series  (continued)	WS-C3750X-12S WS-C3750X-24S	GLC-SX-MM GLC-LH-SM	—	12.2(55)SE5
	Uplink ports with C3KX-NM-10G (slots 2 and 4) and C3KX-SM-10G network modules	GLC-SX-MMD GLC-LH-SMD GLC-ZX-SM GLC-ZX-SMD GLC-BX-D GLC-BX-U CWDM SFP SFP-GE-S SFP-GE-L SFP-GE-Z DWDM SFP DWDM SFP (add.)	12.2(55)SE5	12.2(55)SE5
		GLC-EX-SMD (CPN 10-2624-01 or later only)	12.2(58)SE	12.2(58)SE

**Table 7 Catalyst 3800 Series Switches Support**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			DOM Support	Cisco IOS Release
Catalyst 3850 Series	C3850-NM-4-1G C3850-NM-2-10G C3850-NM-4-10G	GLC-T (10/100/1000) GLC-SX-MM GLC-LH-SM GLC-SX-MMD GLC-LH-SMD GLC-ZX-SM GLC-ZX-SMD GLC-BX-D GLC-BX-U CWDM SFP SFP-GE-S SFP-GE-L SFP-GE-Z DWDM SFP DWDM SFP (add.)	XE 3.2.0SE	XE 3.2.0SE

**Table 8 Industrial Ethernet and Smart Grid Support**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Catalyst Operating System	Cisco IOS Release
Cisco IE2000 series	IE-2000-4TS-G-L	GLC-SX-MM-RGD	—	15.0(1)EY
	IE-2000-4TS-G-B	GLC-LX-SM-RGD		
	IE-2000-4T-G-L	GLC-ZX-SM-RGD		
	IE-2000-4T-G-B	SFP-GE-S		
	IE-2000-8TC-G-L	SFP-GE-L		
	IE-2000-8TC-G-B	SFP-GE-Z		
	IE-2000-8TC-G-E	GLC-SX-MM <sup>1</sup>		
	IE-2000-8TC-G-N	GLC-LH-SM <sup>1</sup>		
	IE-2000-16TC-G-L	GLC-SX-MMD		
	IE-2000-16TC-G-E	GLC-LH-SMD		
	IE-2000-16TC-G-X	GLC-EX-SMD		
	IE-2000-16TC-G-N	GLC-BX-D <sup>2</sup>		
		GLC-BX-U <sup>2</sup>		
		CWDM SFP <sup>2</sup>		
	DWDM SFP <sup>2</sup>			
	DWDM SFP (add.) <sup>2</sup>			
Cisco IE3000 series	IE-3000-4TC	GLC-SX-MM-RGD	—	12.2(44)EX
	IE-3000-8TC	GLC-LX-SM-RGD		
		GLC-ZX-SM-RGD		
		GLC-BX-D	—	12.2(50)SE
		GLC-BX-U		
		CWDM SFP		
		GLC-LH-SMD	—	15.0(2)SE
		GLC-EX-SMD		
		GLC-ZX-SMD		

**Table 8 Industrial Ethernet and Smart Grid Support (continued)**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Catalyst Operating System	Cisco IOS Release
Cisco IE3010 series	IE-3010-24TC IE-3010-16S-8PC	GLC-SX-MM-RGD GLC-LX-SM-RGD GLC-ZX-SM-RGD GLC-BX-D GLC-BX-U SFP-GE-S SFP-GE-L SFP-GE-Z CWDM SFP GLC-SX-MMD	—	12.2(53)EZ
		GLC-LH-SMD GLC-EX-SMD GLC-ZX-SMD	—	15.0(2)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 GLC-BX-D GLC-BX-U SFP-GE-S SFP-GE-L GLC-EX-SMD SFP-GE-Z CWDM SFP	—	12.2(53)EX
Cisco 2000 Connected Grid Router Series	CGR 2010	GLC-SX-MM-RGD GLC-LX-SM-RGD GLC-ZX-SM-RGD	—	15.1(1)T

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

**Table 9 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	—	—
	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 GLC-SX-MMD GLC-LH-SMD	12.2(20)EWA	—
			GLC-BX-D GLC-BX-U CWDM SFP	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 GLC-SX-MMD GLC-LH-SMD	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-X4232-GB-RJ WS-X4306-GB WS-X4412-2GB-T	WS-G5483 WS-G5484 WS-G5486 WS-G5487	12.1(13)EW	—	
		12.1(8a)EW	—	
	CWDM GBIC	12.1(12c)EW	—	
	DWDM GBIC	12.1(19)EW	12.2(19)EW	

**Table 9 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-X4418-GB	WS-G5484	12.1(8a)EW	—
		WS-G5486		
		WS-G5487		
		CWDM GBIC	12.1(12c)EW	—
	WS-X4302-GB	DWDM GBIC	12.1(19)EW	12.2(19)EW
		WS-G5483	12.1(19)EW	—
		WS-G5484		
		WS-G5486		
	WS-X4448-GB-SFP	WS-G5487		
		CWDM GBIC	12.1(19)EW	12.2(19)EW
		DWDM GBIC	12.1(19)EW	12.2(19)EW
		GLC-T (1000BASE-T)	12.2(20)EW	—
GLC-SX-MM			—	
GLC-LH-SM			—	
GLC-ZX-SM			—	
GLC-SX-MMD				
WS-X4506-GB-T	GLC-LH-SMD			
	CWDM SFP	12.2(20)EW	12.2(20)EW	
	GLC-BX-D	12.2(20)EWA	12.2(20)EWA	
	GLC-BX-U			
	GLC-EX-SMD (CPN 10-2624-01 or later only)	15.1(1)SG	15.1(1)SG	
	GLC-ZX-SMD	12.2(25)EWA 10	12.2(25)EWA 10	
WS-X4515	GLC-SX-MM	12.2(20)EWA	—	
	GLC-LH-SM			
	GLC-ZX-SM			
	GLC-SX-MMD			
WS-X4515	GLC-LH-SMD			
	GLC-BX-D	12.2(20)EWA	12.2(20)EWA	
	GLC-BX-U			
	CWDM SFP			
	GLC-EX-SMD (CPN 10-2624-01 or later only)	15.1(1)SG	15.1(1)SG	
	DWDM GBIC	12.1(19)EW	12.1(19)EW	

**Table 9 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 GLC-SX-MMD GLC-LH-SMD	12.2(25)EWA	—	
			GLC-BX-D GLC-BX-U CWDM SFP	12.2(25)EWA	12.2(25)EWA
			DWDM SFP	12.2(37)SG	12.2(37)SG
			DWDM SFP (add.)	12.2(53)SG3	12.2(53)SG3
			GLC-ZX-SMD	12.2(25)EWA 10	12.2(25)EWA 10
		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 GLC-SX-MMD GLC-LH-SMD	12.2(40)SG	—
				GLC-BX-D GLC-BX-U CWDM SFP DWDM SFP	12.2(40)SG
			DWDM SFP (add.)	12.2(53)SG3	12.2(53)SG3
	GLC-EX-SMD (CPN 10-2624-01 or later only) GLC-ZX-SMD		15.1(1)SG 12.2(40)SG	15.1(1)SG 12.2(40)SG	

**Table 9 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-X4624-SFP-E	GLC-T (1000BASE-T)	12.2(44)SG	—
		GLC-SX-MM		
		GLC-LH-SM		
		GLC-ZX-SM		
		GLC-SX-MMD		
		GLC-LH-SMD		
		GLC-BX-D	12.2(44)SG	12.2(44)SG
		GLC-BX-U		
		CWDM SFP		
		DWDM SFP		
	DWDM SFP (add.)	12.2(53)SG3	12.2(53)SG3	
	GLC-EX-SMD (CPN 10-2624-01 or later only)	15.1(1)SG	15.1(1)SG	
	GLC-ZX-SMD	12.2(44)SG1	12.2(44)SG1	
	WS-X45-SUP6L-E with CVR-X2-SFP Twin Gig converter	GLC-T (1000BASE-T)	12.2(52)SG	—
GLC-SX-MM				
GLC-LH-SM				
GLC-ZX-SM				
GLC-SX-MMD				
GLC-LH-SMD				
GLC-BX-D	12.2(52)SG	12.2(52)SG		
GLC-BX-U				
CWDM SFP				
DWDM SFP				
DWDM SFP (add.)	12.2(53)SG3	12.2(53)SG3		
GLC-EX-SMD	15.1(1)SG	15.1(1)SG		

**Table 9 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-X4612-SFP-E	GLC-T (1000BASE-T)	12.2(54)SG	—
		GLC-SX-MM		
		GLC-LH-SM		
		GLC-ZX-SM		
		GLC-SX-MMD		
		GLC-LH-SMD		
		GLC-BX-D	12.2(54)SG	12.2(54)SG
		GLC-BX-U		
		CWDM SFP		
		DWDM SFP		
	DWDM SFP (add.)			
	GLC-EX-SMD (CPN 10-2624-01 or later only)	15.1(1)SG	15.1(1)SG	
	GLC-ZX-SMD	12.2(44)SG1	12.2(44)SG1	
	WS-X4640-CSFP-E	GLC-T (1000BASE-T)	15.0(2)SG	—
GLC-SX-MM				
GLC-LH-SM				
GLC-ZX-SM				
GLC-SX-MMD				
GLC-LH-SMD				
GLC-BX-D		15.0(2)SG	15.0(2)SG	
GLC-2BX-D				
GLC-BX-U				
CWDM SFP				
DWDM SFP				
DWDM SFP (add.)				
GLC-ZX-SMD				
GLC-EX-SMD (CPN 10-2624-01 or later only)	15.1(1)SG	15.1(1)SG		



**Table 9 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-X4712-SFP+E WS-X45-SUP7-E	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-SX-MMD GLC-LH-SMD	3.1.0SG	—
		GLC-BX-D GLC-BX-U CWDM SFP DWDM SFP DWDM SFP (add.)	3.1.0SG	3.1.0SG
		GLC-EX-SMD (CPN 10-2624-01 or later only) GLC-ZX-SMD	3.4.1SG	3.4.1SG
	WS-X45-SUP7L-E	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-SX-MMD GLC-LH-SMD	3.2.0XO	—
		GLC-BX-D GLC-BX-U CWDM SFP DWDM SFP DWDM SFP (add.)	3.2.0XO	3.2.0XO
		GLC-EX-SMD (CPN 10-2624-01 or later only) GLC-ZX-SMD	3.4.1SG	3.4.1SG
	WS-X45-SUP8-E	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-SX-MMD	3.3.0XO	—
		GLC-LH-SMD GLC-BX-D GLC-BX-U CWDM SFP DWDM SFP DWDM SFP (add.) GLC-EX-SMD (CPN 10-2624-01 or later only) GLC-ZX-SMD	3.3.0XO	3.3.0XO

**Table 9 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-X Series	WS-C4500X-32SFP+ WS-C4500X-F-32SFP+ WS-C4500X-40X-ES C4KX-NM-8SFP+	GLC-T (1000BASE-T)	3.3.0SG	—
		GLC-SX-MM GLC-LH-SM GLC-ZX-SM		
		GLC-SX-MMD GLC-LH-SMD GLC-BX-D GLC-BX-U CWDM SFP DWDM SFP DWDM SFP (add.)	3.3.0SG	3.3.0SG
		GLC-EX-SMD (CPN 10-2624-01 or later only)	3.4.1SG	3.4.1SG
	WS-C4500X-16SFP+ WS-C4500X-F-16SFP+ WS-C4500X-24X-ES	GLC-T (1000BASE-T)	3.3.1(SG	—
		GLC-SX-MM GLC-LH-SM GLC-ZX-SM		
GLC-SX-MMD GLC-LH-SMD GLC-BX-D GLC-BX-U CWDM SFP DWDM SFP DWDM SFP (add.)		3.3.1SG	3.3.1SG	
	GLC-EX-SMD (CPN 10-2624-01 or later only)	3.4.1SG	3.4.1SG	

**Table 9 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	WS-C4912G	WS-G5483	—	—
		WS-G5484		
		WS-G5486		
		WS-G5487		
		CWDM GBIC		
	WS-C4948	GLC-T (1000BASE-T)	12.2(20)EWA	—
		GLC-SX-MM		
		GLC-LH-SM		
		GLC-ZX-SM		
GLC-SX-MMD				
GLC-LH-SMD				
WS-4928-10GE	GLC-BX-D	12.2(20)EWA	12.2(20)EWA	
	GLC-BX-U			
	CWDM SFP			
	DWDM SFP	12.2(37)SG	12.2(37)SG	
	DWDM (add.)	12.2(53)SG3	12.2(53)SG3	
WS-4928-10GE	GLC-T (1000BASE-T)	12.2(46)SG	—	
	GLC-SX-MM			
	GLC-LH-SM			
	GLC-ZX-SM			
	GLC-SX-MMD			
	GLC-LH-SMD			
WS-4928-10GE	GLC-BX-D	12.2(46)SG	12.2(46)SG	
	GLC-BX-U			
	CWDM SFP			
	DWDM SFP			
	DWDM SFP (add.)	12.2(53)SG3	12.2(53)SG3	

**Table 9 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-C4948E	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-SX-MMD GLC-LH-SMD	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.) GLC-EX-SMD (CPN 10-2624-01 or later only) GLC-ZX-SMD		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 GLC-SX-MMD GLC-LH-SMD	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
		GLC-EX-SMD (CPN 10-2624-01 or later only)	15.1(1)SG	15.1(1)SG
		GLC-ZX-SMD	12.2(40)XO	12.2(40)XO

**Table 10 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-G5483	7.2	12.1(13)E	—
	WS-X6K-SUP1A-2GE	WS-G5484	Please see release notes for details	Please see release notes for details	—
	WS-X6K-SUP1A-MSFC	WS-G5486			
	WS-X6K-SUP1A-MSFC2	WS-G5487	7.2	12.1(13)E	—
	WS-X6K-SUP1A-PFC	CWDM GBIC			
	WS-X6K-SUP2U-MSFC2				
	WS-X6K-S2-PFC2				
	WS-X6K-SUP2-MSFC2	WS-G5483	7.2	12.1(13)E	—
	WS-X6K-SUP2U-PFC2	WS-G5484	Please see release notes for details	Please see release notes for details	—
	WS-X6408-GBIC	WS-G5486			
	WS-X6408A-GBIC	WS-G5487	7.2	12.1(13)E	—
	WS-X6416-GBIC	CWDM GBIC			
WS-X6516-GBIC	DWDM GBIC	8.3.1	12.2(17a)SX		
WS-X6516A-GBIC	WS-G5483	7.5.1	12.1(19)E1	—	
	WS-G5484	Please see release notes for details	Please see release notes for details	—	
	WS-G5486				
	WS-G5487	7.5.1	12.1(19)E1	—	
	CWDM GBIC				
	DWDM GBIC	8.3.1	12.2(17a)SX		
WS-SUP720	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	12.2(18)SXE1	
	GLC-BX-U	8.4.1	12.2(18)SXE1	12.2(18)SXE1	
	CWDM SFP	8.3.1	12.2(17a)SX	12.2(18)SXE	
	DWDM SFP	—	12.2(33)SXH	12.2(33)SXH	
	GLC-SX-MMD	—	12.2(14)SX	—	
	GLC-LH-SMD	—	12.2(17a)SX	—	
WS-SUP720-3B	GLC-T (1000BASE-T)	8.3.2	12.2(17d)SXB1	—	
WS-SUP720-3BXL	GLC-SX-MM	8.3.2	12.2(17d)SXB1	—	
	GLC-LH-SM	8.3.2	12.2(17d)SXB1	—	
	GLC-ZX-SM	8.3.2	12.2(17d)SXB1	—	
	GLC-BX-D	8.4.1	12.2(18)SXE1	12.2(18)SXE1	
	GLC-BX-U	8.4.1	12.2(18)SXE1	12.2(18)SXE1	
	CWDM SFP	8.3.2	12.2(17d)SXB1	12.2(18)SXE	
	DWDM SFP	—	12.2(33)SXH	12.2(33)SXH	
	GLC-SX-MMD	—	12.2(17d)SXB1	—	
	GLC-LH-SMD	—	12.2(17d)SXB1	—	

**Table 10 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
		GLC-SX-MMD	—	12.2(18)SXF	—
		GLC-LH-SMD	—	12.2(18)SXF	—
	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	—	
CWDM SFP		—	12.2(18)ZY	—	
DWDM SFP		—	12.2(18)ZY	—	
GLC-SX-MMD		—	12.2(18)ZY	—	
GLC-LH-SMD		—	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	
	DWDM SFP	—	12.2(33)SXH	12.2(33)SXH	
	GLC-SX-MMD	—	12.2(33)SXH	—	
	GLC-LH-SMD	—	12.2(33)SXH	—	

**Table 10 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-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-	
		GLC-SX-MMD	—	12.2(14)SX	
		GLC-LH-SMD	—	12.2(17a)SX	
	VS-S2T-10G VS-S2T-10G-XL WS-X6824-SFP-2T WS-X6824-SFP-2TXL WS-X6848-SFP-2T WS-X6848-SFP-2TXL	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-BX-D GLC-BX-U CWDM-SFP DWDM-SFP GLC-SX-MMD GLC-LH-SMD	—	12.2(50)SY	—

**Table 11 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 GLC-SX-MMD	—	Cisco IOS 12.2(46)EY
Cisco Catalyst 2360 Series	2360-48TD-S	GLC-SX-MM GLC-LH-SM GLC-SX-MMD GLC-LH-SMD	—	Cisco IOS 12.2(53)EY

**Table 11 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 Catalyst 3000 and 3100 Blade Switches	WS-CBS3020-HPQ	GLC-SX-MM GLC-LH-SM GLC-SX-MMD GLC-LH-SMD	—	Cisco IOS 12.2(35)SE
	WS-CBS3030-DEL WS-CBS3040-FSC	GLC-T (1000BASE-T) GLC-SX-MM GLC-SX-MMD	—	Cisco IOS 12.2(35)SE
	WS-CBS-3120G-S WS-CBS-3130G-S (with CVR-X2-SFP TwinGig converter)	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-SX-MMD GLC-LH-SMD	—	Cisco IOS 12.2(40)EX1
	WS-CBS3032-DEL (with CVR-X2-SFP TwinGig converter)	GLC-SX-MM GLC-LH-SM GLC-SX-MMD GLC-LH-SMD	—	Cisco IOS 12.2(40)EX1
	WS-CBS3110X-S (with CVR-X2-SFP TwinGig converter)	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-SX-MMD GLC-LH-SMD	—	Cisco IOS 12.2(52)SE
Cisco Nexus 2000 Series	N2K-C2232PP-10GE	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-SX-MMD GLC-LH-SMD	—	NX-OS 4.2(1)N2(1)
Cisco Nexus 3000 Series	N3K-C3064PQ	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-SX-MMD GLC-LH-SMD	—	NX-OS 5.0(3)U1(1d)
	N3K-C3064PQ-10GE	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-SX-MMD GLC-LH-SMD	—	NX-OS 5.0(3)U1(2)
	N3K-C3048TP-1GE	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-SX-MMD GLC-LH-SMD	—	NX-OS 5.0(3)U2(2b)



**Table 11 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 Nexus 4000 Series	N4K-4001I-XPX	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-SX-MMD GLC-LH-SMD	—	NX-OS 4.1(2)E1(1)
Cisco Nexus 5000 Series	N5K-C5010P-BF N5K-C5020P-BF	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM SFP-GE-T (1000BASE-T)  SFP-GE-S SFP-GE-L GLC-SX-MMD GLC-LH-SMD	—     NX-OS 4.0(1a)N1(1)	NX-OS 4.0(1a)N1(1)     NX-OS 4.0(1a)N1(1)
		N5K-C5548P-FA N5K-C5548UP-FA N5KC5596UP-FA N55-M16P N55-M8P8FP N55-M16UP	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM SFP-GE-T (1000BASE-T)  SFP-GE-S SFP-GE-L GLC-SX-MMD GLC-LH-SMD	—     NX-OS 5.0(3)N1(1B)
Cisco Unified Computing System	N10-S6100 N10-S6200 N10-E0440 N10-E0600 N20-I6584	SFP-GE-S SFP-GE-L GLC-SX-MMD GLC-LH-SMD  GLC-SX-MM GLC-LH-SM GLC-T (1000BASE-T) SFP-GE-T (1000BASE-T)	UCS Manager v1.3     —	UCS Manager v1.3     UCS Manager v1.3
	UCS-FI-6248UP UCS-FI-E16UP UCS-IOM-2208XP	SFP-GE-S SFP-GE-L GLC-SX-MMD GLC-LH-SMD  GLC-SX-MM GLC-LH-SM GLC-T (1000BASE-T) SFP-GE-T (1000BASE-T)	UCS Manager v2.0(1)     —	UCS Manager v2.0(1)     UCS Manager v2.0(1)

**Table 11 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 Nexus 7000 Series	N7K-M148GS-11	SFP-GE-S	NX-OS 4.1(2)	NX-OS 4.1(2)	
		GLC-SX-MMD	NX-OS 4.1(2)		
GLC-SX-MM		—			
SFP-GE-L		NX-OS 4.1(2)			
GLC-LH-SMD		NX-OS 4.1(2)			
GLC-LH-SM		—			
SFP-GE-Z		NX-OS 4.1(2)			
GLC-ZX-SM		—			
GLC-T (1000BASE-T)		—	NX-OS 4.2(1)		
SFP-GE-T (1000BASE-T)		—			
CWDM SFP		NX-OS 4.2(1)			
DWDM SFP		NX-OS 4.2(1)			
GLC-BX-D		NX-OS 5.2(1)	NX-OS 5.2(1)		
GLC-BX-U		NX-OS 5.2(1)			
GLC-EX-SMD		NX-OS 6.2(2)	NX-OS 6.2(2)		
GLC-ZX-SMD	NX-OS 6.2(2)				
	N7K-M148GS-11L	SFP-GE-S	NX-OS 5.0(2a)	NX-OS 5.0(2a)	
		GLC-SX-MMD	NX-OS 5.0(2a)		
		GLC-SX-MM	—		
		SFP-GE-L	NX-OS 5.0(2a)		
		GLC-LH-SMD	NX-OS 5.0(2a)		
		GLC-LH-SM	—		
		SFP-GE-Z	NX-OS 5.0(2a)		
		GLC-ZX-SM	—		
		GLC-T (1000BASE-T)	—		
		SFP-GE-T (1000BASE-T)	—		
		CWDM SFP	NX-OS 5.0(2a)		
		DWDM SFP	NX-OS 5.0(2a)		
		GLC-BX-D	NX-OS 5.2(1)		NX-OS 5.2(1)
		GLC-BX-U	NX-OS 5.2(1)		
		GLC-EX-SMD	NX-OS 6.2(2)		NX-OS 6.2(2)
	GLC-ZX-SMD	NX-OS 6.2(2)			

**Table 11 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 Nexus 7000 Series (continued)	N7K-F132XP-15	SFP-GE-S	NX-OS 5.1(1)	NX-OS 5.1(1)			
		GLC-SX-MMD	NX-OS 5.1(1)				
		GLC-SX-MM	—				
		SFP-GE-L	NX-OS 5.1(1)				
		GLC-LH-SMD	NX-OS 5.1(1)				
		GLC-LH-SM	—				
		SFP-GE-Z	NX-OS 5.1(1)				
		GLC-ZX-SM	—				
		GLC-T (1000BASE-T) SFP-GE-T (1000BASE-T)	—				
GLC-ZX-SMD	NX-OS 6.2(2)	NX-OS 6.2(2)					
N7K-F248XP-25	N7K-F248XP-25	GLC-T (1000BASE-T) SFP-GE-T (1000BASE-T)	—	NX-OS 6.0			
		GLC-SX-MM GLC-LH-SM GLC-ZX-SM	—				
		GLC-SX-MMD SFP-GE-S GLC-LH-SMD SFP-GE-L SFP-GE-Z	NX-OS 6.0				
		GLC-BX-D GLC-BX-U CWDM SFP DWDM SFP	—				
		GLC-ZX-SMD	NX-OS 6.2(2)		NX-OS 6.2(2)		
		N7K-F248XP-25E	N7K-F248XP-25E		GLC-T (1000BASE-T) SFP-GE-T(1000BASE-T)	—	NX-OS 6.1(2)
					GLC-SX-MM GLC-LH-SM GLC-ZX-SM	—	
					GLC-SX-MMD SFP-GE-S GLC-LH-SMD SFP-GE-L SFP-GE-Z	NX-OS 6.1(2)	
					GLC-BX-D GLC-BX-U CWDM SFP DWDM SFP	—	
					GLC-ZX-SMD	NX-OS 6.2(2)	

**Table 11 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 12 Router Support**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			DOM Support	Cisco IOS Release
Cisco 892F Series	CISCO892F-K9 CISCO892FW-K9	GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-BX-D GLC-BX-U GLC-SX-MMD GLC-LH-SMD	—	15.1(2)T
Cisco 1921 Series Router	HWIC-1GE-SFP	GLC-T GLC-SX-MM GLC-LH-SM GLC-ZX-SM CWDM SFP GLC-SX-MMD GLC-LH-SMD	—	15.0(1)M2
	EHWIC-1GE-SFP-CU	GLC-T GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-BX-D GLC-BX-U CWDM SFP DWDM SFP GLC-SX-MMD GLC-LH-SMD	—	15.1(4)M

**Table 12 Router Support (continued)**

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 GLC-SX-MMD GLC-LH-SMD	—	15.0(1)M
	EHWIC-1GE-SFP-CU	GLC-T GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-BX-D GLC-BX-U CWDM SFP DWDM SFP GLC-SX-MMD GLC-LH-SMD	—	15.1(4)M

**Table 12 Router Support (continued)**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			DOM Support	Cisco IOS Release
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 GLC-SX-MMD GLC-LH-SMD	—	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 GLC-SX-MMD GLC-LH-SMD	—	12.2(25)EZ
	HWIC-1GE-SFP	GLC-T GLC-SX-MM GLC-LH-SM GLC-ZX-SM CWDM SFP GLC-SX-MMD GLC-LH-SMD	—	12.3(8)T4
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 GLC-SX-MMD GLC-LH-SMD	—	15.0(1)M
	HWIC-1GE-SFP	GLC-T GLC-SX-MM GLC-LH-SM GLC-ZX-SM CWDM SFP GLC-SX-MMD GLC-LH-SMD	—	15.0(1)M

**Table 12 Router Support (continued)**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			DOM Support	Cisco IOS Release
Cisco 2900 Series Router (continued)	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 GLC-SX-MMD GLC-LH-SMD	—	15.0(1)M
	EHWIC-1GE-SFP-CU	GLC-T GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-BX-D GLC-BX-U CWDM SFP DWDM SFP GLC-SX-MMD GLC-LH-SMD	—	15.1(4)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 GLC-SX-MMD GLC-LH-SMD	—	12.2(25)EZ

**Table 12 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 GLC-SX-MMD GLC-LH-SMD	—	12.2(25)EZ
	HWIC-1GE-SFP	GLC-T GLC-SX-MM GLC-LH-SM GLC-ZX-SM CWDM SFP GLC-SX-MMD GLC-LH-SMD	—	12.3(8)T4
	Cisco 3825	GLC-SX-MM GLC-LH-SM GLC-ZX-SM CWDM SFP GLC-SX-MMD GLC-LH-SMD	—	12.3(11)T
	Cisco 3845	GLC-SX-MM GLC-LH-SM GLC-ZX-SM CWDM SFP GLC-SX-MMD GLC-LH-SMD	—	12.3(11)T



**Table 12 Router Support (continued)**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			DOM Support	Cisco IOS Release
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 GLC-SX-MMD GLC-LH-SMD	—	15.0(1)M
	HWIC-1GE-SFP	GLC-T GLC-SX-MM GLC-LH-SM GLC-ZX-SM CWDM SFP GLC-SX-MMD GLC-LH-SMD	—	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 GLC-SX-MMD GLC-LH-SMD	—	15.0(1)M
	EHWIC-1GE-SFP-CU	GLC-T GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-BX-D GLC-BX-U CWDM SFP DWDM SFP GLC-SX-MMD GLC-LH-SMD	—	15.1(4)M
Cisco 4400 Series Router	Cisco 4451-X	GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-BX-U GLC-BX-D CWDM SFP DWDM SFP	—	XE 3.9.1
Cisco 6400 Universal Access Router	C6400-NRP-2SV	WS-G5484 WS-G5486 WS-G5487	—	12.2(2)B6

**Table 12 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 GLC-SX-MMD	—	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 GLC-LH-SMD SFP-GE-Z CWDM SFP	—	12.2(31)SB2 12.2(33)SRC2 12.4(15)T7
	NPE-G2	GLC-SX-MM GLC-SX-MMD	—	12.2(33)SRC2 12.4(15)T7 12.4(20)T1
SFP-GE-S SFP-GE-L GLC-LH-SMD SFP-GE-Z CWDM SFP		—	12.2(31)SB2 12.2(33)SRC2 12.4(15)T7	
C7200-I/O-GE+E	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	
<b>Cisco uBR7200 Series</b>	uBR7200-NPE-G1	WS-G5484 WS-G5486 WS-G5487 CWDM GBIC	—	12.2(11)CX
	uBR7200-NPE-G2	GLC-SX-MMD GLC-LH-SMD SFP-GE-S SFP-GE-L SFP-GE-Z CWDM SFP	12.2SB	12.2SB

**Table 12 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 GLC-SX-MMD GLC-LH-SMD	—	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-SX-MMD GLC-LH-SMD 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	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 12 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 GLC-SX-MMD GLC-LH-SMD CWDM SFP	—      12.2(33)SRA	12.2(33)SRA      12.2(33)SRA

**Table 12 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-SX-MMD			
			GLC-LH-SMD			
			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	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				
		GLC-SX-MMD				
		GLC-LH-SMD				
		SFP-GE-T (1000BASE-T)	—	12.2(33)SRB		
		SFP-GE-S				
		SFP-GE-L				
		SFP-GE-Z				
		DWDM SFP	—	12.2(33)SRE		
		RSP720-3C-GE RSP720-3CXL-GE	GLC-T (1000BASE-T)	—	12.2(33)SRB	
				GLC-SX-MM		
GLC-LH-SM						
GLC-ZX-SM						
		GLC-SX-MMD	12.2(33)SRE1	12.2(33)SRB		
		GLC-LH-SMD				
		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				

**Table 12 Router Support (continued)**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required		
			DOM Support	Cisco IOS Release	
Cisco 7600 Series Router (continued)	RSP720-10GE	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-ZX-SM SFP-GE-T (1000BASE-T)	—	12.2(33)SRC	
		GLC-BX-D GLC-BX-U SFP-GE-S SFP-GE-L GLC-SX-MMD GLC-LH-SMD	12.2(33)SRC	12.2(33)SRC	
		CWDM SFP DWDM SFP	12.2(33)SRE1	12.2(33)SRE1	
	7600-ES20-GE3CXL 7600-ES20-GE3C	SFP-GE-S SFP-GE-L SFP-GE-Z GLC-SX-MMD GLC-LH-SMD	12.2(33)SRB	12.2(33)SRB	
		SFP-GE-T CWDM SFP	— 12.2(33)SRB3	12.2(33)SRB3	
		GLC-BX-D GLC-BX-U DWDM SFP	12.2(33)SRD	12.2(33)SRD	
		DWDM SFP (add.)	12.2(33)SRE	12.2(33)SRE	
		7600-ES+20G3C 7600-ES+20G3CXL 7600-ES+40G3C 7600-ES+40G3CXL	SFP-GE-T	—	12.2(33)SRD
		GLC-SX-MMD GLC-LH-SMD SFP-GE-S SFP-GE-L SFP-GE-Z GLC-BX-D GLC-BX-U CWDM SFP DWDM SFP DWDM SFP (add.)	12.2(33)SRD	12.2(33)SRD	
	DWDM SFP (add.)	12.2(33)SRE	12.2(33)SRE		

**Table 12 Router Support (continued)**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			DOM Support	Cisco IOS Release
Cisco 7600 Series Router (continued)	76-ES+T-20G 76-ES+T-40G	SFP-GE-T GLC-SX-MMD GLC-LH-SMD SFP-GE-S SFP-GE-L SFP-GE-Z GLC-BX-D GLC-BX-U CWDM SFP DWDM SFP DWDM SFP (add.)	— 12.2(33)SRD3	12.2(33)SRD3 12.2(33)SRD3
	76-ES+XC-20G3C 76-ES+XC-20G3CXL 76-ES+XC-40G3C 76-ES+XC-40G3CXL	SFP-GE-T GLC-SX-MMD GLC-LH-SMD SFP-GE-S SFP-GE-L SFP-GE-Z GLC-BX-D GLC-BX-U CWDM SFP DWDM SFP DWDM SFP (add.)	— 12.2(33)SRE	12.2(33)SRE 12.2(33)SRE
Cisco 10000 Series Router	ESR-1GE	WS-G5484 WS-G5486 WS-G5487	—	Please see release notes
	ESR-HH-1GE	SFP-GE-T SFP-GE-S SFP-GE-L SFP-GE-Z	— 12.0(23)S	12.0(23)S 12.0(23)S
Cisco uBR10000 Series Router	UBR10-1GE	WS-G5484 WS-G5486 WS-G5487	—	Please see release notes
	ESR-HH-1GE	SFP-GE-T GLC-SX-MMD GLC-LH-SMD SFP-GE-S SFP-GE-L SFP-GE-Z	— 12.3(13)BC	12.3(13)BC 12.3(13)BC

**Table 12 Router Support (continued)**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			DOM Support	Cisco IOS Release
Cisco RF Gateway Series	RFGW-X4516-10GE	SFP-GE-S SFP-GE-L	12.2(44)SQ	12.2(44)SQ
	RFGW-DS48	SFP-GE-T SFP-GE-S SFP-GE-L	— 12.2(44)SQ	12.2(44)SQ 12.2(44)SQ
Cisco 10700 Series Internet Router	10720-GE-FE-TX	SFP-GE-T	—	12.0(27)S
	10720-GE-FE-TX-B	SFP-GE-S SFP-GE-L SFP-GE-Z	12.0(26)S	12.0(26)S
		CWDM SFP	12.0(31)S	12.0(31)S
Cisco 12000 Series Router	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  GLC-SX-MMD GLC-LH-SMD GLC-ZX-SMD 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 GLC-SX-MMD GLC-LH-SMD GLC-ZX-SMD	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-2X1GE-V2	SFP-GE-S SFP-GE-L SFP-GE-Z CWDM SFP DWDM SFP GLC-SX-MMD GLC-LH-SMD GLC-ZX-SMD		



**Table 12 Router Support (continued)**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			DOM Support	Cisco IOS Release
CRS Router Series	CRS-16-RP	GLC-LH-SM GLC-LH-SMD	—	XR 2.0
	CRS-16-RP-B	GLC-LH-SM GLC-LH-SMD	—	XR 3.3
	CRS-FCC-SC-22GE	GLC-LH-SM GLC-LH-SMD	—	XR 3.4.1
	42-1GE 20-1GE-FLEX	SFP-GE-T (1000BASE-T) SFP-GE-S GLC-SX-MMD SFP-GE-L GLC-LH-SMD SFP-GE-Z	—	XR 3.8.1
			XR 3.8.1	XR 3.8.1
CRS-8-PRP-6G CRS-8-PRP-12G	GLC-LH-SM GLC-LH-SMD	—	XR 4.0.2	
ASR 901 Series Router	A901-12C-F-D A901-12-C-FT-D	GLC-T SFP-GE-T GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-SX-MM-RGD GLC-LX-SM-RGD	—	15.1(2)SNG
		SFP-GE-S SFP-GE-L SFP-GE-Z	15.1(2)SNI	15.1(2)SNG
		GLC-SX-MMD GLC-LH-SMD GLC-BX-D GLC-BX-U GLC-EX-SMD CWDM SFP DWDM SFP DWDM SFP (add.)	15.2(2)SNI	15.2(2)SNG

**Table 12 Router Support (continued)**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			DOM Support	Cisco IOS Release
ASR 901 Series Router (continued)	A901-4C-F-D A901-4-C-FT-D A901-6CZ-F-D A901-6-CZ-FT-D A901-6CZ-F-A A901-6-CZ-FT-A	GLC-T SFP-GE-T GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-SX-MM-RGD GLC-LX-SM-RGD	—	15.2(2)SNH1
		SFP-GE-S SFP-GE-L SFP-GE-Z GLC-SX-MMD GLC-LH-SMD GLC-BX-D GLC-BX-U GLC-EX-SMD CWDM SFP DWDM SFP DWDM SFP (add.)	15.2(2)SNH1	15.2(2)SNH1
Cisco ASR 903 Series	A900-IMA8S	SFP-GE-T GLC-SX-MM-RGD GLC-LX-SM-RGD GLC-ZX-SM-RGD	—	XE 3.5.0S
		GLC-BX-D GLC-BX-U GLC-EX-SMD	XE 3.5.0S	XE 3.5.0S
		GLC-SX-MMD GLC-LH-SMD CWDM SFP DWDM SFP DWDM SFP (add.)	XE 3.6.0S	XE 3.6.0S

**Table 12 Router Support (continued)**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			DOM Support	Cisco IOS Release
ASR 1000 Series Router	ASR1001 ASR1002 ASR1002-F	SFP-GE-T SFP-GE-S SFP-GE-L SFP-GE-Z CWDM SFP DWDM SFP  GLC-BX-D GLC-BX-U  GLC-SX-MMD GLC-LH-SMD GLC-ZX-SMD	— XE 2.1    XE 2.5  XE 3.4S	XE 2.1 XE 2.1    XE 2.5  XE 3.4S
	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>		
ASR 9000 Series Router	A9K-40GE-B A9K-40GE-E	SFP-GE-T (10/100/1000) SFP-GE-S SFP-GE-L SFP-GE-Z GLC-BX-D GLC-BX-U CWDM SFP DWDM SFP  DWDM SFP (add.) GLC-SX-MMD GLC-LH-SMD GLC-EX-SMD	— XR 3.7.3      XR 3.9.0 XR 4.1.1	XR 3.7.3 XR 3.7.3      XR 3.9.0 XR 4.1.1
	A9K-2T20GE-B A9K-2T20GE-E A9K-2T20GE-L A9K-40GE-L	SFP-GE-T (10/100/1000) SFP-GE-S SFP-GE-L SFP-GE-Z GLC-BX-D GLC-BX-U CWDM SFP DWDM SFP DWDM SFP (add.)  GLC-SX-MMD GLC-LH-SMD GLC-EX-SMD	— XR 3.9.0        XR 4.1.1	XR 3.9.0 XR 3.9.0        XR 4.1.1

**Table 12 Router Support (continued)**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			DOM Support	Cisco IOS Release
ASR 9000 Series Router (continued)	A9K-MPA-20X1GE	SFP-GE-T (10/100/1000) GLC-LH-SM	—	XR 4.2.0
		SFP-GE-S SFP-GE-L SFP-GE-Z GLC-BX-D GLC-BX-U CWDM SFP DWDM SFP DWDM SFP (add.) GLC-SX-MMD GLC-LH-SMD GLC-EX-SMD	XR 4.2.0	XR 4.2.0
	A9K-RSP440-TR A9K-RSP440-SE	SFP-GE-T (10/100/1000)	—	XR 4.2.1
		SFP-GE-S SFP-GE-L SFP-GE-Z GLC-BX-D GLC-BX-U CWDM SFP DWDM SFP DWDM SFP (add.) GLC-SX-MMD GLC-LH-SMD GLC-EX-SMD	XR 4.2.1	XR 4.2.1
ASR 9000 Series Router (EOBC-supported optics)	ASR-9001	SFP-GE-S	XR 4.2.1	XR 4.2.1
	ASR-9001-S ASR-9922-RP-SE ASR-9922-RP-TR A9K-RSP440-TR A9K-RSP440-SE	GLC-SX-MMD	XR 4.3.0	XR 4.3.0

**Table 12 Router Support (continued)**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			DOM Support	Cisco IOS Release
ASR9000v Series Router	ASR-9000V-AC ASR-9000V-DC-A ASR-9000V-DC-E	SFP-GE-T SFP-GE-S SFP-GE-L SFP-GE-Z GLC-BX-D GLC-BX-U GLC-SX-MMD GLC-LH-SMD GLC-EX-SMD GLC-ZX-SMD CWDM SFP DWDM SFP DWDM SFP (add.)	XR 5.1.0	XR 5.1.0
Cisco MWR 2941 Mobile Wireless Routers	MWR-2941-DC	GLC-SX-MMD GLC-LH-SMD SFP-GE-S SFP-GE-L SFP-GE-Z	12.4(19)MR1	12.4(19)MR1
		GLC-SX-MM-RGD GLC-LX-SM-RGD GLC-ZX-SM-RGD	—	12.4(19)MR1
		SFP-GE-T	—	12.4(19)MR3/ 12.2(33)MRA
		CWDM SFP DWDM SFP	12.4(19)MR3/ 12.2(33)MRA	12.4(19)MR3/ 12.2(33)MRA
		GLC-BX-D GLC-BX-U	12.2(33)MRB/ 12.4(20)MRA	12.2(33)MRB/ 12.4(20)MRA
		GLC-EX-SMD	15.1(01)MR	15.1(01)MR

**Table 13 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 GLC-SX-MMD GLC-LH-SMD	—	ASA 7.0
NAM 2200 Series appliances	NAM2204-SFP	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM	—	NAM 4.0

**Table 14**      **Wireless LAN Controllers Support**

Platform	Controller or Module	Transceiver Module	Minimum Software Release Required	
			DOM Support	Cisco IOS Release
Cisco 5700 WLC Series	AIR-CT5760-25-K9	GLC-T (10/100/1000)	XE 3.2.0SE	XE 3.2.0SE
	AIR-CT5760-50-K9	GLC-SX-MM		
	AIR-CT5760-100-K9	GLC-LH-SM		
	AIR-CT5760-250-K9	GLC-SX-MMD		
	AIR-CT5760-500-K9	GLC-LH-SMD		
	AIR-CT5760-1K-K9	GLC-ZX-SM		
	AIR-CT5760-HA-K9	GLC-BX-D		
		GLC-BX-U		
		CWDM SFP		
		SFP-GE-S		
		SFP-GE-L		
		SFP-GE-Z		
		DWDM SFP		
	DWDM SFP (add.)			

## 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:

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