



# Cisco Gigabit Ethernet Transceiver Modules Compatibility Matrix

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**Revised: January 27, 2010**



**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 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</b>	
WS-G5482=	1000BASE-T GBIC transceiver module for Category 5 copper wire
WS-G5483=	1000BASE-T GBIC transceiver module for Category 5 copper wire
WS-G5484=	1000BASE-SX GBIC transceiver module for Multi mode Fiber (MMF), 850-nanometer (nm) wavelength
WS-G5486=	1000BASE-LX/LH GBIC transceiver module for MMF and SMF, 1300-nm wavelength
WS-G5487=	1000BASE-ZX GBIC transceiver module for Single Mode Fiber (SMF), 1550-nm wavelength
<b>CWDM GBIC</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</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
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

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

<b>Model Number</b>	<b>Description</b>
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</b>	
GLC-T=	1000BASE-T SFP transceiver module for Category 5 copper wire
GLC-SX-MM=	1000BASE-SX SFP transceiver module for MMF, 850-nm wavelength
GLC-LH-SM=	1000BASE-LX/LH SFP transceiver module for MMF and SMF, 1300-nm wavelength
GLC-ZX-SM=	1000BASE-ZX SFP transceiver module for SMF, 1550-nm wavelength
GLC-BX-D=	1000BASE-BX10 SFP module for single-strand SMF, 1490-nm TX/1310-nm RX wavelength
GLC-BX-U=	1000BASE-BX10 SFP module for single-strand SMF, 1310-nm TX/1490-nm RX wavelength
SFP-GE-S=	1000BASE-SX SFP transceiver module for MMF, 850-nm wavelength, extended operating temperature range and DOM support
SFP-GE-L=	1000BASE-LX/LH SFP transceiver module for MMF and SMF, 1300-nm wavelength, extended operating temperature range and DOM support
GLC-EX-SMD=	1000BASE-EX SFP transceiver module for SMF, 1310-nm wavelength, extended operating temperature range and DOM support.
SFP-GE-Z=	1000BASE-ZX SFP transceiver module for SMF, 1550-nm wavelength, extended operating temperature range and DOM support
SFP-GE-T=	1000BASE-T SFP transceiver module for Category 5 copper wire, extended operating temperature range and DOM support
GLC-SX-MM-RGD	1000BASE-SX SFP transceiver module for MMF, 850-nm wavelength, industrial Ethernet
GLC-LX-SM-RGD	1000BASE-LX/LH SFP transceiver module for MMF and SMF, 1300-nm wavelength, industrial Ethernet

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

<b>Model Number</b>	<b>Description</b>
GLC-ZX-SM-RGD	1000BASE-ZX SFP transceiver module for SMF, 1550-nm wavelength, industrial Ethernet
<b>CWDM SFP</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</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

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

<b>Model Number</b>	<b>Description</b>
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 (8 additional wavelengths)</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 6](#)
- [Metro Ethernet Support, Table 3 on page 6](#)
- [Catalyst 2900 Switches Support, Table 4 on page 10](#)
- [Catalyst 3500 Switches Support, Table 5 on page 13](#)
- [Catalyst 3700 Series Switches Support, Table 6 on page 17](#)
- [Industrial Ethernet Support, Table 7 on page 20](#)
- [Catalyst 4500 and Catalyst 4900 Switches Support, Table 8 on page 20](#)
- [Catalyst 6500 Series Switches Support, Table 9 on page 24](#)
- [Data Center and Blade Switching Support, Table 10 on page 26](#)
- [Router Support, Table 11 on page 27](#)
- [Appliance Support, Table 12 on page 36](#)

**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			
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)	—	12.2(25)EX
		GLC-SX-MM GLC-LH-SM GLC-ZX-SM 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)	—	12.2(25)EX
		GLC-SX-MM GLC-LH-SM 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		
		GLC-LH-SM		
		GLC-ZX-SM	12.2(46)SE	12.2(25)SEG1
		GLC-BX-D	12.2(44)SE	
		GLC-BX-U	12.2(44)SE	
		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			
	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	—	
		GLC-LH-SM	—	
		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		

**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-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-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
	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)		
		GLC-SX-MM		
		GLC-LH-SM		
		GLC-ZX-SM	12.2(44)EY	12.2(44)EY
		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		

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

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			DOM Support	Cisco IOS Release
Catalyst 3750 Metro	ME-C3750-24TE-M	GLC-T (10/100/1000)	—	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		
Cisco ME 4900 Series	ME-4924-10GE	GLC-T (1000BASE-T)	—	12.2(31)SGA
		GLC-SX-MM		
		GLC-LH-SM		
		GLC-ZX-SM		
		GLC-BX-D	12.2(31)SGA	
		GLC-BX-U		
CDWM SFP				
DWDM SFP	12.2(37)SG	12.2(37)SG		
Cisco ME 6500 Series	ME-C6524GS-8S	GLC-T (1000 BASE-T)	—	12.2(18)ZU
	ME-C6524GT-8S	GLC-SX-MM		
		GLC-LH-SM		
		GLC-ZX-SM		
		GLC-BX-D		
		GLC-BX-U		
		CDWM SFP		
		GLC-T (10/100/1000)		12.2(33)SXH
DWDM SFP		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
	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	12.0(5)XW
			Not supported	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

**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	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
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

**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-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
	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 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 CWDM GBIC		12.1(12c)EA1
	WS-C3550-24-FX-SMI WS-C3550-24PWR-SMI WS-C3550-24PWR-EMI	WS-G5482	—	12.1(12c)EA1
		WS-G5483		
		WS-G5484		
		WS-G5486		
		WS-G5487 CWDM GBIC		12.1(20)EA2
	WS-C3550-48-SMI WS-C3550-48-EMI	WS-G5482	—	12.1(8)EA1b
		WS-G5483		
WS-G5484				
WS-G5486				
WS-G5487 CWDM GBIC			12.1(12c)EA1	
WS-C3550-12G WS-C3550-12T	WS-G5482	—	12.1(6)EA1	
	WS-G5483		12.1(8)EA1b	
	WS-G5484			
	WS-G5486			
	WS-G5487 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	—	
		CWDM SFP	12.2(44)SE	12.1(19)EA1c
		SFP-GE-S	12.2(44)SE	12.1(19)EA1c
		SFP-GE-L		
		GLC-BX-D	12.2(44)SE	12.2(25)SEB
		GLC-BX-U		
		DWDM SFP	12.2(44)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)	—	12.2(20)SE3
		GLC-SX-MM	—	
		GLC-LH-SM	—	
		GLC-ZX-SM	—	
		CWDM SFP	12.2(44)SE	12.2(20)SE3
		SFP-GE-S	12.2(44)SE	12.2(20)SE3
		SFP-GE-L	12.2(44)SE	
		GLC-BX-D	12.2(44)SE	12.2(25)SEB
		GLC-BX-U		
		DWDM SFP	12.2(44)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)	—	12.2(20)SE3
		GLC-SX-MM	—	
		GLC-LH-SM	—	
		GLC-ZX-SM	—	
		CWDM SFP	12.2(44)SE	12.2(20)SE3
SFP-GE-S		12.2(44)SE	12.2(20)SE3	
SFP-GE-L				
GLC-BX-D		12.2(44)SE	12.2(25)SEB	
GLC-BX-U				
DWDM SFP		12.2(44)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	12.2(44)SE	
		GLC-BX-D	12.2(44)SE	
		GLC-BX-U	12.2(44)SE	
		DWDM SFP	12.2(44)SE	
	WS-C3560-12PC-S	GLC-SX-MM	—	12.2(46)SE
		GLC-LH-SM	—	
		GLC-ZX-SM	—	
		CWDM SFP	12.2(46)SE	
GLC-BX-D		12.2(46)SE		
GLC-BX-U		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	12.2(50)SE		
	GLC-BX-D			
GLC-BX-U				
DWDM SFP				
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	GLC-T (10/100/1000)	—	12.2(35)SE2
	WS-C3560E-24PD	GLC-SX-MM	—	
	WS-C3560E-48TD	GLC-LH-SM	—	
	WS-C3560E-48PD	GLC-ZX-SM	—	
	WS-C3560E-48PDF	GLC-BX-D	12.2(44)SE	12.2(35)SE2
	With CVR-X2-SFP (for X2 ports)	GLC-BX-U		
		CWDM SFP		
		SFP-GE-S		
		SFP-GE-L		
		DWDM SFP	12.2(44)SE	12.2(40)SE
	DWDM SFP (add.)	12.2(52)SE	12.2(52)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-ZX-SM			
	GLC-BX-D	12.2(44)SE	12.2(40)EX	
	GLC-BX-U			
	CWDM SFP			
DWDM SFP				
SFP-GE-S				
SFP-GE-L				
	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	GLC-T (10/100/1000)	—	12.2(44)SE
		GLC-SX-MM		
		GLC-LH-SM		
		GLC-ZX-SM		
		GLC-BX-D	12.2(44)SE	12.2(44)SE
		GLC-BX-U		
		CWDM SFP		
		DWDM SFP		
		SFP-GE-S		
		SFP-GE-L		
		DWDM SFP (add.)	12.2(52)SE	12.2(52)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-ZX-SM		
		GLC-BX-D	12.2(44)SE	12.2(44)SE
		GLC-BX-U		
		CWDM SFP		
		DWDM SFP		
		SFP-GE-S		
		SFP-GE-L		
		DWDM SFP (add.)	12.2(52)SE	12.2(52)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-ZX-SM	—	
		CWDM SFP	12.2(44)SE	
		SFP-GE-S	12.2(44)SE	
		SFP-GE-L	12.2(44)SE	
		GLC-BX-D	12.2(44)SE	12.2(25)SEB
		GLC-BX-U		
		DWDM SFP	12.2(44)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-C3750-24TS WS-C3750-48TS	GLC-T (10/100/1000)	—	12.1(14)EA1
		GLC-SX-MM		
		GLC-LH-SM		
		GLC-ZX-SM		
		CWDM SFP	12.2(44)SE	
		SFP-GE-S	12.2(44)SE	
		SFP-GE-L	12.2(44)SE	
		GLC-BX-D	12.2(44)SE	12.2(25)SEB
		GLC-BX-U		
		DWDM SFP	12.2(44)SE	12.2(40)SE
DWDM SFP (add.)	12.2(52)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		
		GLC-ZX-SM		
		CWDM SFP	12.2(44)SE	12.2(25)SEB
		SFP-GE-S	12.2(44)SE	
		SFP-GE-L	12.2(44)SE	
		GLC-BX-D	12.2(44)SE	
		GLC-BX-U		
		DWDM SFP	12.2(44)SE	12.2(40)SE
DWDM SFP (add.)	12.2(52)SE	12.2(52)SE		
	WS-C3750-24FS-S	GLC-T (10/100/1000)	—	12.2(25)SEB
		GLC-SX-MM		
		GLC-LH-SM		
		GLC-ZX-SM		
		SFP-GE-S	12.2(44)SE	12.2(25)SEB
		SFP-GE-L		
		CWDM SFP		
		GLC-BX-D		
		GLC-BX-U		
		DWDM SFP	12.2(44)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-ZX-SM		
		SFP-GE-S	12.2(44)SE	12.2(25)FZ
		SFP-GE-L		
		CWDM SFP		
		GLC-BX-D		
	GLC-BX-U			
	DWDM SFP	12.2(44)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)	—	12.2(50)SE
GLC-SX-MM				
GLC-LH-SM				
GLC-ZX-SM				
	SFP-GE-S	12.2(50)SE	12.2(50)SE	
	SFP-GE-L			
	CWDM SFP			
	GLC-BX-D			
	GLC-BX-U			
	DWDM SFP	12.2(52)SE	12.2(52)SE	
	DWDM SFP (add.)	12.2(52)SE	12.2(52)SE	
	Catalyst 3750-E Series	GLC-T (10/100/1000)	—	12.2(35)SE2
GLC-SX-MM				
GLC-LH-SM				
GLC-ZX-SM				
GLC-BX-D		12.2(44)SE	12.2(35)SE2	
GLC-BX-U				
CWDM SFP				
SFP-GE-S				
With CVR-X2-SFP (for X2 ports)	SFP-GE-L			
	DWDM SFP	12.2(44)SE	12.2(40)SE	
	DWDM SFP (add.)	12.2(52)SE	12.2(52)SE	

**Table 7 Industrial Ethernet 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

**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  GLC-BX-D GLC-BX-U CWDM SFP DWDM SFP	12.2(20)EWA  12.2(20)EWA  12.2(37)SG	—  12.2(20)EWA  12.2(37)SG

**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 (continued)	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
	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
	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 GLC-BX-U	12.2(20)EWA	12.2(20)EWA	
	WS-X4506-GB-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

**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 (continued)	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
	WS-X4516	WS-G5483	12.2(18)EW	—
		WS-G5484		
		WS-G5486		
		WS-G5487		
		CWDM GBIC		
		DWDM GBIC	12.2(18)EW	12.2(18)EW
WS-X4516-10GE	GLC-T (1000BASE-T)	12.2(25)EWA	—	
	GLC-SX-MM			
	GLC-LH-SM			
	GLC-ZX-SM			
	GLC-BX-D	12.2(25)EWA	12.2(25)EWA	
	GLC-BX-U			
WS-X45-SUP6-E WS-X4606-X2 with CVR-X2-SFP Twin Gig converter	CWDM SFP	12.2(37)SG	12.2(37)SG	
	DWDM SFP			
	GLC-T	12.2(40)SG	—	
	GLC-SX-MM			
	GLC-LH-SM			
	GLC-ZX-SM			
WS-4624-SFP-E	GLC-BX-D		12.2(40)SG	
	GLC-BX-U			
	CWDM SFP			
	DWDM SFP			
	GLC-T (1000BASE-T)	12.2(44)SG	—	
	GLC-SX-MM			
GLC-LH-SM				
GLC-ZX-SM				
GLC-BX-D	12.2(44)SG	12.2(44)SG		
GLC-BX-U				
CWDM SFP				
DWDM SFP				

**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 (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
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
WS-4928-10GE	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-BX-D GLC-BX-U CWDM SFP DWDM SFP	12.2(46)SG	—  12.2(46)SG	
WS-X4908 with CVR-X2-SFP Twin Gig converter in a WS-C4900M	GLC-T GLC-SX-MM GLC-LH-SM GLC-ZX-SM 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  12.2(40)X0 or 12.2(44)SG	

**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-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	CWDM GBIC	7.2	12.1(13)E
	WS-X6K-SUP1A-PFC				
	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	CWDM GBIC	7.2	12.1(13)E
	WS-X6416-GBIC				
WS-X6516-GBIC					
WS-X6816-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	CWDM GBIC	7.5.1	12.1(19)E1	
	DWDM GBIC				8.3.1
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	
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	

**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 (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	—
		CWDM SFP	—	12.2(18)ZY	—
		DWDM SFP	—	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	
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 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 5000 Series	N5K-C5010P-BF N5K-C5020P-BF	GLC-T GLC-SX-MM GLC-LH-SM	—	NX-OS 4.0(1a)N1(1)
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)
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
Cisco 2900 Series Router	Cisco 2921 Cisco 2951	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
	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

**Table 11 Router Support (continued)**

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			DOM Support	Cisco IOS Release
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
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

**Table 11 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-T 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	—
		SFP-GE-S SFP-GE-L 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	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	
	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		
		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)	GLC-T (1000BASE-T)	—	12.2(33)SRB
		GLC-SX-MM		
		GLC-LH-SM		
	GLC-ZX-SM			
RSP720-10GE	GLC-T (1000BASE-T)	GLC-T (1000BASE-T)	—	12.2(33)SRC
		GLC-SX-MM		
		GLC-LH-SM		
		GLC-ZX-SM		
		SFP-GE-T		
		GLC-BX-D	12.2(33)SRC	
		GLC-BX-U		
		SFP-GE-S		
SFP-GE-L				
7600-ES20-GE3CXL 7600-ES20-GE3C	SFP-GE-S	SFP-GE-S	12.2(33)SRB	12.2(33)SRB
		SFP-GE-L		
		SFP-GE-Z		
		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				

**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-ES+20G3C	SFP-GE-T	—	12.2(33)SRD
	7600-ES+20G3CXL	SFP-GE-S	12.2(33)SRD	12.2(33)SRD
	7600-ES+40G3C	SFP-GE-L		
	7600-ES+40G3CXL	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 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 SFP-GE-S SFP-GE-L SFP-GE-Z	— 12.3(13)BC	12.3(13)BC 12.3(13)BC
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

**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-8-RP	GLC-LH-SM	—	XR 3.0
	CRS-16-RP	GLC-LH-SM	—	XR 2.0
	CRS-16-RP-B	GLC-LH-SM	—	XR 3.3
	42-1GE	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
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	

**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		
ASR 9000 Router Series	A9K-40GE-B A9K-40GE-E	DWDM SFP	XE 2.2	XE 2.2
		SFP-GE-T	—	XR 3.7.2
		SFP-GE-S	XR 3.7.1	XR 3.7.1
		SFP-GE-L		
		SFP-GE-Z		
Cisco MWR 2900 Mobile Wireless Routers	MWR-2941-DC	CWDM SFP		
		DWDM SFP		
		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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