



Cisco Gigabit Ethernet Transceiver Modules Compatibility Matrix

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.

Table 1 *Gigabit Ethernet Transceiver Models*

Model Number	Description
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
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



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

Model Number	Description
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
SFP-GE-Z=	1000BASE-ZX SFP transceiver module 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
GLC-ZX-SM-RGD	1000BASE-ZX SFP transceiver module for SMF, 1550-nm wavelength, industrial Ethernet

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 3](#)
- [Metro Ethernet Support, Table 3 on page 3](#)
- [Catalyst 2900 Switches Support, Table 4 on page 5](#)
- [Catalyst 3500 Switches Support, Table 5 on page 8](#)
- [Catalyst 3700 Switches Support, Table 6 on page 13](#)
- [Industrial Ethernet Support, Table 7 on page 15](#)
- [Catalyst 4500 and 4900 Switches Support, Table 8 on page 16](#)
- [Catalyst 6500 Switches Support, Table 9 on page 18](#)
- [Router Support, Table 10 on page 20](#)
- [Appliance Support, Table 11 on page 26](#)

Table 2 Catalyst Express 500 Support

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Catalyst Operating System	Cisco IOS Release
Catalyst Express 500	WS-CE500-24LC	GLC-SX-MM GLC-LH-SM	—	Refer to your software release notes for specific platform support for these transceiver modules.
	WS-CE500-24PC	GLC-SX-MM GLC-LH-SM	—	
	WS-CE500G-12TC	GLC-SX-MM GLC-LH-SM	—	

Table 3 Metro Ethernet Support

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Catalyst Operating System	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 GLC-BX-D, GLC-BX-U	—	12.2(25)EX
Cisco ME 3400	ME-3400-24TS-A ME-3400-24TS-D	GLC-T (10/100/1000) GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-BX-D, GLC-BX-U SFP-GE-S, SFP-GE-L	—	12.2(25)EX 12.2(46)SE
	ME-3400G-12CS-A ME-3400G-12CS-D	GLC-T (10/100/1000) GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-BX-D, GLC-BX-U SFP-GE-S, SFP-GE-L	—	12.2(25)SEG1 12.2(46)SE
	ME-3400G-2CS-A	GLC-T (10/100/1000) GLC-SX-M GLC-LH-SM GLC-ZX-SM GLC-BX-D, GLC-BX-U SFP-GE-S, SFP-GE-L	—	12.2(35)SE1 12.2(46)SE
	ME-3400-24FS-A	GLC-T (10/100/1000) GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-BX-D, GLC-BX-U SFP-GE-S, SFP-GE-L	—	12.2(40)SE 12.2(46)SE

Table 3 Metro Ethernet Support

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Catalyst Operating System	Cisco IOS Release
Catalyst 3750 Metro	ME-C3750-24TE-MA and ME-C3750-24TE-MD	GLC-T (10/100/1000)	Not supported	12.1(14)AX
		GLC-SX-MM ¹ GLC-LH-SM ¹ GLC-ZX-SM ¹ GLC-BX-D, GLC-BX-U		12.2(25)EY2
Cisco ME 4900 Series	Cisco ME 4924-10GE	GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-BX-D, GLC-BX-U	Not supported	12.2(31)SGA
Cisco ME 6500 Series	ME-C6524GS-8S	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-BX-D, GLC-BX-U	Not supported	12.2(18)ZU
	ME-C6524GT-8S	GLC-T (1000BASE-T) GLC-SX-MM GLC-LH-SM GLC-ZX-SM GLC-BX-D, GLC-BX-U	Not supported	12.2(18)ZU

1. These transceiver modules have been shipping for more than 3 years. Refer to your software release notes for specific platform support for these transceiver modules.

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 ¹ , WS-G5486 ¹ , WS-G5487 ¹	7.2.1	Not supported
	WS-C2948G	WS-G5483 WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹	7.2	Not supported
	WS-C2912MF-XL	WS-G5482	Not supported	12.0(5)XW
		WS-G5483 WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹	Not supported	12.0(5)WC3b
	WS-C2924M-XL-EN	WS-G5483 WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹	Not supported	12.0(5)WC3b
WS-C2924M-XL-EN-DC	WS-G5482 WS-G5483 WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹	Not supported Not supported	Not supported 12.0(5)WC3b	
Catalyst 2900XL	WS-X2931-XL	WS-G5482	Not supported	12.0(5)XW
		WS-G5483 WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹	Not supported	12.0(5)WC3b
Catalyst 2940 Series	WS-C2940-8TF-S	GLC-T (1000BASE-T) GLC-SX-MM ¹ , GLC-LH-SM ¹	Not supported	12.1(13)AY
Catalyst 2948G	WS-C2948G-GE-TX	GLC-T (1000BASE-T) GLC-SX-MM ¹ , GLC-LH-SM ¹ , GLC-ZX-SM ¹	8.2(1)GLX	Not supported

Table 4 Catalyst 2900 Switches Support (continued)

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Catalyst Operating System	Cisco IOS Release
Catalyst 2950 Series	WS-C2950G-12-EI	WS-G5483 WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹	Not supported	12.1(6)EA2b
	WS-C2950G-24-EI	WS-G5483 WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹	Not supported	12.1(6)EA2b
	WS-C2950G-24-EI-DC	WS-G5483 WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹	Not supported	12.1(6)EA2b
	WS-C2950G-48-EI	WS-G5483 WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹	Not supported	12.1(6)EA2b
	WS-C2950ST-8 LRE	GLC-T (1000BASE-T) GLC-SX-MM, GLC-LH-SM, GLC-ZX-SM	Not supported	12.1(19)EA1c
	WS-C2950ST-24 LRE	GLC-T (1000BASE-T) GLC-SX-MM, GLC-LH-SM, GLC-ZX-SM	Not supported	12.1(19)EA1c
	WS-C2950ST-24 LRE997	GLC-T (1000BASE-T) GLC-SX-MM, GLC-LH-SM, GLC-ZX-SM	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	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	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

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-C2960-8TC-L WS-C2960G-8TC-L	GLC-T (1000BASE-T) GLC-SX-MM, GLC-LH-SM, GLC-ZX-SM GLC-BX-D, GLC-BX-U	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	Not supported	12.2(25)SEE
Catalyst 2970 Series	WS-C2970G-24TS-E	GLC-T (10/100/1000) GLC-SX-MM ¹ , GLC-LH-SM ¹ , GLC-ZX-SM ¹	Not supported	12.1(14)EA1

1. These transceiver modules have been shipping for more than 3 years. Refer to your software release notes for specific platform support for these transceiver modules.

Table 5 Catalyst 3500 Switches Support

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Catalyst Operating System	Cisco IOS Release
Catalyst 3500XL Series	WS-C3508G-XL-EN	WS-G5482	Not supported	12.0(5)XW
		WS-G5483	Not supported	12.0(5)WC3b
		WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	WS-C3512-XL-EN	WS-G5482	Not supported	12.0(5)XW
		WS-G5483	Not supported	12.0(5)WC3b
	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹			
WS-C3524-XL-EN	WS-G5482	Not supported	12.0(5)XW	
	WS-G5483	Not supported	12.0(5)WC3b	
	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹			
WS-C3524-PWR-XL-EN	WS-G5482	Not supported	12.0(5)XW	
	WS-G5483	Not supported	12.0(5)WC3b	
	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹			
WS-C3548-XL-EN	WS-G5482	Not supported	12.0(5)XW	
	WS-G5483	Not supported	12.0(5)WC3b	
	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹			
Catalyst 3550 Series	WS-C3550-24-SMI	WS-G5482	Not supported	12.1(6)EA1a
		WS-G5483	Not supported	12.1(8)EA1b
		WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	WS-C3550-24-EMI	WS-G5482	Not supported	12.1(6)EA1a
WS-G5483		Not supported	12.1(8)EA1b	
	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹			
WS-C3550-24-DC-SMI	WS-G5482	Not supported	12.1(6)EA1b	
	WS-G5483	Not supported	12.1(8)EA1b	
	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹			
WS-C3550-24-FX-SMI	WS-G5482	Not supported	12.1(12c)EA1	
	WS-G5483	Not supported	12.1(12c)EA1	
	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹			

Table 5 Catalyst 3500 Switches Support (continued)

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Catalyst Operating System	Cisco IOS Release
Catalyst 3550 series (continued)	WS-C3550-24PWR-SMI	WS-G5482	Not supported	12.1(12c)EA1
		WS-G5483	Not supported	12.1(12c)EA1
		WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	WS-C3550-24PWR-EMI	WS-G5482	Not supported	12.1(12c)EA1
		WS-G5483	Not supported	12.1(12c)EA1
		WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
WS-C3550-48-SMI	WS-G5482	Not supported	12.1(8)EA1b	
	WS-G5483	Not supported	12.1(8)EA1b	
	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹			
WS-C3550-48-EMI	WS-G5482	Not supported	12.1(8)EA1b	
	WS-G5483	Not supported	12.1(8)EA1b	
	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹			
WS-C3550-12G	WS-G5482	Not supported	12.1(6)EA1	
	WS-G5483	Not supported	12.1(8)EA1b	
	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹			
WS-C3550-12T	WS-G5482	Not supported	12.1(6)EA1	
	WS-G5483	Not supported	12.1(8)EA1b	
	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹			

Table 5 Catalyst 3500 Switches Support (continued)

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Catalyst Operating System	Cisco IOS Release
Catalyst 3560 Series	WS-C3560-24PS	GLC-T (10/100/1000)	Not supported	12.1(19)EA1c
		GLC-SX-MM ¹ , GLC-LH-SM ¹ , GLC-ZX-SM ¹		
	WS-C3560-48PS	GLC-T (10/100/1000)	Not supported	12.1(19)EA1c
		GLC-SX-MM ¹ , GLC-LH-SM ¹ , GLC-ZX-SM ¹		
	WS-C3560G-24TS	GLC-T (10/100/1000)	Not supported	12.2(20)SE3
		GLC-SX-MM ¹ , GLC-LH-SM ¹ , GLC-ZX-SM ¹		
	WS-C3560G-48TS	GLC-T, 10/100/1000	Not supported	12.2(20)SE3
		GLC-SX-MM ¹ , GLC-LH-SM ¹ , GLC-ZX-SM ¹		
	WS-C3560G-48PS	GLC-T, 10/100/1000	Not supported	12.2(20)SE3
		GLC-SX-MM ¹ , GLC-LH-SM ¹ , GLC-ZX-SM ¹		
		GLC-BX-D, GLC-BX-U	Not supported	12.2(25)SEB

Table 5 Catalyst 3500 Switches Support (continued)

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Catalyst Operating System	Cisco IOS Release
Catalyst 3560 Series (continued)	WS-C3560G-24PS	GLC-T, 10/100/1000	Not supported	12.2(20)SE3
		GLC-SX-MM ¹ , GLC-LH-SM ¹ , GLC-ZX-SM ¹		
	WS-C3560-8PC	GLC-T, 10/100/1000	Not supported	12.2(35)SE
		GLC-SX-MM ¹ , GLC-LH-SM ¹ , GLC-ZX-SM ¹		
	WS-C3560-48TS	GLC-T, 10/100/1000	Not supported	12.2(20)SE3
		GLC-SX-MM ¹ , GLC-LH-SM ¹ , GLC-ZX-SM ¹		
	WS-C3560-24TS	GLC-T, 10/100/1000	Not supported	12.2(20)SE3
		GLC-SX-MM, GLC-LH-SM, GLC-ZX-SM		
	GLC-BX-D, GLC-BX-U	Not supported	12.2(25)SEB	

Table 5 Catalyst 3500 Switches Support (continued)

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Catalyst Operating System	Cisco IOS Release
Catalyst 3560-E Series	WS-C3560E-24TD	GLC-T (10/100/1000)	Not supported	12.2(35)SE2
		GLC-SX-MM ¹ , GLC-LH-SM ¹ , GLC-ZX-SM ¹		
	WS-C3560E-24PD	GLC-T (10/100/1000)	Not supported	12.2(35)SE2
		GLC-SX-MM ¹ , GLC-LH-SM ¹ , GLC-ZX-SM ¹		
	WS-C3560E-48TD	GLC-T (10/100/1000)	Not supported	12.2(35)SE2
		GLC-SX-MM ¹ , GLC-LH-SM ¹ , GLC-ZX-SM ¹		
	WS-C3560E-48PD	GLC-T (10/100/1000)	Not supported	12.2(35)SE2
		GLC-SX-MM ¹ , GLC-LH-SM ¹ , GLC-ZX-SM ¹		
	WS-C3560E-48PDF	GLC-T (10/100/1000)	Not supported	12.2(35)SE2
		GLC-SX-MM ¹ , GLC-LH-SM ¹ , GLC-ZX-SM ¹		
		GLC-BX-D, GLC-BX-U	Not supported	12.2(35)SE2

1. These transceiver modules have been shipping for more than 3 years. Refer to your software release notes for specific platform support for these transceiver modules.

Table 6 Catalyst 3700 Switches Support

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Catalyst Operating System	Cisco IOS Release
Catalyst 3750 Series	WS-C3750-24TS	GLC-T (10/100/1000)	Not supported	12.1.(14)EA1 1
		GLC-SX-MM ¹ , GLC-LH-SM ¹ , GLC-ZX-SM ¹ GLC-BX-D, GLC-BX-U	Not supported	12.2(25)SEB
	WS-C3750-48TS	GLC-T (10/100/1000)	Not supported	12.1.(14)EA1
		GLC-SX-MM ¹ , GLC-LH-SM ¹ , GLC-ZX-SM ¹ GLC-BX-D, GLC-BX-U	Not supported	12.2(25)SEB
	WS-C3750-24PS	GLC-T (10/100/1000)	Not supported	12.1(19)EA1c
		GLC-SX-MM ¹ , GLC-LH-SM ¹ , GLC-ZX-SM ¹ GLC-BX-D, GLC-BX-U	Not supported	12.2(25)SEB
	WS-C3750-48PS	GLC-T (10/100/1000)	Not supported	12.1(19)EA1c
		GLC-SX-MM ¹ , GLC-LH-SM ¹ , GLC-ZX-SM ¹ GLC-BX-D, GLC-BX-U	Not supported	12.2(25)SEB
WS-C3750G-12S	GLC-T (10/100/1000)	Not supported	12.1(14)EA1	
	GLC-SX-MM ¹ , GLC-LH-SM ¹ , GLC-ZX-SM ¹ GLC-BX-D, GLC-BX-U	Not supported	12.2(25)SEB	
WS-C3750G-24TS	GLC-T (10/100/1000)	Not supported	12.1(14)EA1	
	GLC-SX-MM ¹ , GLC-LH-SM ¹ , GLC-ZX-SM ¹ GLC-BX-D, GLC-BX-U	Not supported	12.2(25)SEB	
WS-C3750G-48TS	GLC-T (10/100/1000)	Not supported	12.1(14)EA1	
	GLC-SX-MM ¹ , GLC-LH-SM ¹ , GLC-ZX-SM ¹ GLC-BX-D, GLC-BX-U	Not supported	12.2(25)SEB	

Table 6 Catalyst 3700 Switches Support (continued)

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Catalyst Operating System	Cisco IOS Release
Catalyst 3750 Series (Continued)	WS-C3750G-24PS	GLC-T (10/100/1000)	Not supported	12.1(14)EA1
		GLC-SX-MM ¹ , GLC-LH-SM ¹ , GLC-ZX-SM ¹		
	WS-C3750G-48PS	GLC-T (10/100/1000)	Not supported	12.1(14)EA1
		GLC-SX-MM ¹ , GLC-LH-SM ¹ , GLC-ZX-SM ¹		
	WS-C3750G-12S	GLC-T (10/100/1000)	Not supported	12.1(14)EA1
		GLC-SX-MM ¹ , GLC-LH-SM ¹ , GLC-ZX-SM ¹		
	WS-C3750-24FS-S	GLC-T (10/100/1000)	Not supported	12.2(25)SEB
		GLC-SX-MM ¹ , GLC-LH-SM ¹ , GLC-ZX-SM ¹		
	GLC-BX-D, GLC-BX-U	Not supported	Not supported	

Table 6 Catalyst 3700 Switches Support (continued)

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Catalyst Operating System	Cisco IOS Release
Catalyst 3750-E Series	WS-C3750E-24TD	GLC-T (10/100/1000)	Not supported	12.2(35)SE2
		GLC-SX-MM ¹ , GLC-LH-SM ¹ , GLC-ZX-SM ¹		
	WS-C3750E-24PD	GLC-T (10/100/1000)	Not supported	12.2(35)SE2
		GLC-SX-MM ¹ , GLC-LH-SM ¹ , GLC-ZX-SM ¹		
	WS-C3750E-48TD	GLC-T (10/100/1000)	Not supported	12.2(35)SE2
		GLC-SX-MM ¹ , GLC-LH-SM ¹ , GLC-ZX-SM ¹		
	WS-C3750E-48PD	GLC-T (10/100/1000)	Not supported	12.2(35)SE2
		GLC-SX-MM ¹ , GLC-LH-SM ¹ , GLC-ZX-SM ¹		
	WS-C3750E-48PDF	GLC-T (10/100/1000)	Not supported	12.2(35)SE2
		GLC-SX-MM ¹ , GLC-LH-SM ¹ , GLC-ZX-SM ¹		
		GLC-BX-D, GLC-BX-U	Not supported	12.2(35)SE2

1. These transceiver modules have been shipping for more than 3 years. Refer to your software release notes for specific platform support for these transceiver modules.

Table 7 Industrial Ethernet Support

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Catalyst Operating System	Cisco IOS Release
Cisco IE 3000 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

Table 8 Catalyst 4500 and 4900 Switches Support

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Catalyst Operating System	Cisco IOS Release
Catalyst 4500 Series	WS-X4013	WS-G5483 WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹	7.2	Not supported
	WS-X4013+	WS-G5483 WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹	Not supported	12.1(19)EW
	WS-X4013+TS	GLC-SX-MM ¹ , GLC-LH-SM ¹ , GLC-ZX-SM ¹ GLC-BX-D, GLC-BX-U	Not supported	12.2(20)EWA
	WS-X4013+10GE	GLCGLC-LH-SM, GLC-ZX-SM GLC-BX-D, GLC-BX-U	Not supported	12.2(25)SG
	WS-X4014	WS-G5483 WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹	Not supported	12.1(13)EW
	WS-X4232-GB-RJ	WS-G5483 WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹	7.2	Not supported
	WS-X4302-GB	WS-G5483 WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹	8.1	12.1(19)EW
	WS-X4306-GB	WS-G5483 WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹	7.2	12.1(19)EW
	WS-X4412-2GB-T	WS-G5483 WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹	7.2	12.1(19)EW
	WS-X4418-GB	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	WS-4448-GB-SFP	GLC-T (1000BASE-T) GLC-SX-MM ¹ , GLC-LH-SM ¹ GLC-BX-D, GLC-BX-U	Not supported	12.2(20)EW
			Not supported	12.2(20)EW

Table 8 Catalyst 4500 and 4900 Switches Support (continued)

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Catalyst Operating System	Cisco IOS Release
Catalyst 4500 Series (Continued)	WS-X4506-GB-T	GLC-SX-MM ¹ , GLC-LH-SM ¹ , GLC-ZX-SM ¹	Not supported	12.2(20)EWA
		GLC-BX-D, GLC-BX-U		
	WS-X4515	WS-G5483	Not supported	12.1(13)EW
		WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	WS-X4516	WS-G5483	Not supported	12.2(18)EW
		WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
WS-X4516-10GE	GLC-SX-MM ¹ , GLC-LH-SM ¹ , GLC-ZX-SM ¹	Not supported	12.2(25)EWA	
	GLC-BX-D, GLC-BX-U			
WS-X45-SUP6-E with CVR-X2-SFP Twin Gig converter	GLC-SX-MM, GLC-LH-SM, GLC-ZX-SM GLC-BX-D, GLC-BX-U	Not supported	12.2(40)SG	
WS-X4606-X2 with CVR-X2-SFP Twin Gig converter	GLC-SX-MM, GLC-LH-SM, GLC-ZX-SM GLC-BX-D, GLC-BX-U	Not supported	12.2(40)SG	
Catalyst 4900 Series	WS-C4912G	WS-G5483	7.2.1	Not supported
		WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
WS-C4948	GLC-SX-MM, GLC-LH-SM, GLC-ZX-SM	Not supported	12.2(20)EWA	
	GLC-BX-D, GLC-BX-U			

1. These transceiver modules have been shipping for more than 3 years. Refer to your software release notes for specific platform support for these transceiver modules.

Table 9 Catalyst 6500 Switches Support

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Catalyst Operating System	Cisco IOS Release
Catalyst 6500 Series	WS-X6K-SUP1-2GE	WS-G5483 WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹	7.2	12.1(13)E
	WS-X6K-SUP1A-2GE	WS-G5483 WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹	7.2	12.1(13)E
	WS-X6K-SUP1A-MSFC	WS-G5483 WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹	7.2	12.1(13)E
	WS-X6K-SUP1A-MSFC2	WS-G5483 WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹	7.2	12.1(13)E
	WS-X6K-SUP1A-PFC	WS-G5483 WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹	7.2	12.1(13)E
	WS-X6K-SUP2-MSFC2	WS-G5483 WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹	7.2	12.1(13)E
	WS-X6K-SUP2U-MSFC2	WS-G5483 WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹	7.2	12.1(13)E
	WS-X6K-SUP2U-PFC2	WS-G5483 WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹	7.2	12.1(13)E

Table 9 Catalyst 6500 Switches Support (continued)

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Catalyst Operating System	Cisco IOS Release
Catalyst 6500 Series (Continued)	WS-X6K-S2-PFC2	WS-G5483 WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹	7.2	12.1(13)E
	WS-X6408-GBIC	WS-G5483 WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹	7.2	12.1(13)E
	WS-X6408A-GBIC	WS-G5483 WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹	7.2	12.1(13)E
	WS-X6416-GBIC	WS-G5483 WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹	7.2	12.1(13)E
	WS-X6516-GBIC	WS-G5483 WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹	7.2	12.1(13)E
	WS-X6516A-GBIC	WS-G5483 WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹	7.5.1	12.1(19)E1
	WS-X6816-GBIC	WS-G5483 WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹	7.2	12.1(13)E
	WS-SUP720	GLC-T (1000BASE-T) GLC-SX-MM ¹ GLC-LH-SM ¹ GLC-ZX-SM ¹ GLC-BX-D, GLC-BX-U	8.3.1	12.2(17a)SX
			8.2	
			8.4.1	12.2(18)SXE1
	WS-SUP32-8GE-3B	GLC-T (1000BASE-T) GLC-SX-MM, GLC-LH-SM, GLC-ZX-SM GLC-BX-D, GLC-BX-U	8.4(1)	12.2(17d)SXB8
8.4(1)			12.2(17d)SXB8	
8.4(1)			12.2(18)SXE1	
WS-SUP32-10GE-3B	GLC-T (1000BASE-T) GLC-SX-MM, GLC-LH-SM, GLC-ZX-SM GLC-BX-D, GLC-BX-U	8.4(1)	12.2(17d)SXB8	
		8.4(1)	12.2(17d)SXB8	
		8.4(1)	12.2(18)SXE1	

Table 9 Catalyst 6500 Switches Support (continued)

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Catalyst Operating System	Cisco IOS Release
Catalyst 6500 Series (Continued)	WS-X6724-SFP	GLC-T (1000BASE-T)	8.3.1	12.2(17a)SX
		GLC-SX-MM ¹		
		GLC-LH-SM ¹		
	WS-X6748-SFP	GLC-ZX-SM ¹	8.2	12.2(18)SXE1
		GLC-BX-D, GLC-BX-U	8.4.1	
		GLC-T (1000BASE-T)	8.3.1	
WS-X6748-SFP	GLC-SX-MM ¹		12.2(17d)SXB	
	GLC-LH-SM ¹			
	GLC-ZX-SM ¹	8.2		
	GLC-BX-D, GLC-BX-U	8.4.1		
	GLC-T (1000BASE-T)	8.3.1		

1. These transceiver modules have been shipping for more than 3 years. Refer to your software release notes for specific platform support for these transceiver modules.

Table 10 Router Support

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Catalyst Operating System	Cisco IOS Release
Cisco 2690 Series Router	NM-1GE	WS-G5483 WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹	Not supported	12.2(11)YT
Cisco 3660 Series Router	NM-1GE	WS-G5483 WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹	Not supported	12.2(11)YT
Cisco 3700 Series Router	NM-1GE	WS-G5483 WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹	Not supported	12.2(11)YT
Cisco 3800 Series Router	Cisco 3825	GLC-SX-MM ¹ , GLC-LH-SM ¹ , GLC-ZX-SM ¹		12.3(11)T
	Cisco 3845	GLC-SX-MM ¹ , GLC-LH-SM ¹ , GLC-ZX-SM ¹		12.3(11)T
Cisco 6400 Universal Access Router	C6400-NRP-2SV	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		

Table 10 Router Support (continued)

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Catalyst Operating System	Cisco IOS Release
Cisco 7200 Series Router	NPE-G1	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	NPE-G2	SFP-GE-S, SFP-GE-L, SFP-GE-Z	Not supported	12.4(4)XD 12.4(11)T 12.2(31)SB2
	C7206VXR/400/GE	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	C7206VXR/NPE-G1	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	C7200-I/O-GE+E	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	PA-GE	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
Cisco uBR7200 Series	uBR7200-NPE-G1	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
Cisco 7300 Series Router	CISCO7301	GLC-T (1000BASE-T) GLC-SX-MM ¹ , GLC-LH-SM ¹ , GLC-ZX-SM ¹	Not supported	12.2(18)S1
Cisco 7500 Series Router	GEIP	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	GEIP+	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		

Table 10 Router Support (continued)

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Catalyst Operating System	Cisco IOS Release
Cisco 7600 Series Router	OSM-1CHOC12/T1-SI	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	OSM-1CHOC12/T3-SI	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	OSM-2OC12-ATM-MM	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	OSM-2OC12-ATM-SI	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	OSM-2OC12-ATM-MM+	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	OSM-2OC12-ATM-SI+	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	OSM-4OC3-POS-SI	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	OSM-4OC3-POS-SI+	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	OSM-4OC12-POS-SI	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	OSM-4OC12-POS-SI+	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	OSM-8OC3-POS-MM	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	OSM-8OC3-POS-SI	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	OSM-8OC3-POS-SL	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	OSM-8OC3-POS-SL+	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	OSM-8OC3-POS-SI+	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	OSM-16OC3-POS-MM	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	OSM-16OC3-POS-SI	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	OSM-16OC3-POS-SL	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	OSM-16OC3-POS-SI+	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
OSM-2OC12-POS-MM	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹			

Table 10 Router Support (continued)

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Catalyst Operating System	Cisco IOS Release
Cisco 7600 Series Router (continued)	OSM-2OC12-POS-SI	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	OSM-2OC12-POS-SL	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	OSM-2OC12-POS-SI+	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	OSM-2OC12-POS-MM+	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	OSM4OC12-POS-MM	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	OSM4OC12-POS-SI	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	OSM4OC12-POS-SL	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	OSM4OC12-POS-SI+	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	OSM-1OC48-POS-SI	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	OSM-1OC48-POS-SL	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	OSM-1OC48-POS-SS	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	OSM-1OC48-POS-SS+	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	OSM-1OC48-POS-SI+	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	OSM-1OC48-POS-SL+	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	OSM-2OC48/1DPT-SS	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	OSM-2OC48/1DPT-SI	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	OSM-2OC48/1DPT-SL	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	OSM-2+4GE-WAN+	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	OSM-4GE-WAN-GBIC	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		

Table 10 Router Support (continued)

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Catalyst Operating System	Cisco IOS Release
Cisco 7600 Series Router (continued)	WS-SUP720	GLC-T (1000BASE-T) GLC-SX-MM, GLC-LH-SM, GLC-ZX-SM	Not supported	12.2(33)SRA
	WS-SUP32-8GE-3B	GLC-T (1000BASE-T) GLC-SX-MM, GLC-LH-SM, GLC-ZX-SM GLC-BX-D, GLC-BX-U	Not supported	12.2(33)SRA
	WS-X6724-SFP	GLC-T (1000BASE-T) GLC-SX-MM, GLC-LH-SM, GLC-ZX-SM GLC-BX-D, GLC-BX-U	Not supported	12.2(33)SRA
	WS-X6748-SFP	GLC-T (1000BASE-T) GLC-SX-MM, GLC-LH-SM, GLC-ZX-SM GLC-BX-D, GLC-BX-U	Not supported	12.2(33)SRA
	RSP720-3C-GE	GLC-T (1000BASE-T) GLC-SX-MM, GLC-LH-SM, GLC-ZX-SM	Not supported	12.2(33)SRB
	RSP720-3CXL-GE	GLC-T (1000BASE-T) GLC-SX-MM, GLC-LH-SM, GLC-ZX-SM	Not supported	12.2(33)SRB
	7600-ES20-GE3CXL	SFP-GE-S, SFP-GE-L, SFP-GE-Z SFP-GE-T	Not supported	12.2(33)SRB 12.2(33)SRB.3
	7600-ES20-GE3C	SFP-GE-S, SFP-GE-L, SFP-GE-Z SFP-GE-T	Not supported	12.2(33)SRB 12.2(33)SRB.3
Cisco 10700 Series Internet Router	10720-GE-FE-TX	SFP-GE-T (1000BASE-T)	Not supported	12.0(27)S
		SFP-GE-S, SFP-GE-L	Not supported	12.0(26)S
	10720-GE-FE-TX-B	SFP-GE-T (1000BASE-T)	Not supported	12.0(27)S
		SFP-GE-S, SFP-GE-L	Not supported	12.0(26)S

Table 10 Router Support (continued)

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Catalyst Operating System	Cisco IOS Release
Cisco CSS 11500 Series	CSS11506-2AC	GLC-SX-MM, -LH-SM GLC-T (10/100/1000)	1	1 WebNS 7.5
	CSS11506-2DC	GLC-SX-MM ¹ , GLC-LH-SM ¹ GLC-T (10/100/1000)		WebNS 7.5
	CSS11503-AC	GLC-SX-MM ¹ , GLC-LH-SM ¹ GLC-T (10/100/1000)		WebNS 7.5
	CSS11503-DC	GLC-SX-MM ¹ , GLC-LH-SM ¹ GLC-T (10/100/1000)		WebNS 7.5
	CSS5-SCM-2GE	GLC-SX-MM ¹ , GLC-LH-SM ¹ GLC-T (10/100/1000)		WebNS 7.5
	CSS5-IOM-2GE	GLC-SX-MM ¹ , GLC-LH-SM ¹ GLC-T (10/100/1000)		WebNS 7.5
Cisco 12000 Series Router	3GE-GBIC-SC	WS-G5484 ¹ , WS-G5486 ¹ , WS-G5487 ¹		
	EPA-3GE-SX/LH-LC	GLC-SX-MM, GLC-LH-SM, GLC-ZX-SM	Not supported	12.0(32)S
MDS 9000	DS-X9016	GLC-T (1000BASE-T)	MDS 9x00 Enterprise Software Release 1.1.1	Not supported
	DS-X9032	GLC-T (1000BASE-T)	MDS 9x00 Enterprise Software Release 1.1.1	Not supported
	DS-X9308-SMIP	GLC-T (1000BASE-T)	MDS 9x00 Enterprise Software Release 1.1.1	Not supported

Table 10 Router Support (continued)

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Catalyst Operating System	Cisco IOS Release
Shared Port Adapters (SPAs)	SPA-2X1GE	SFP-GE-T, SFP-GE-S, SFP-GE-L, SFP-GE-Z	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-5X1GE	SFP-GE-T, SFP-GE-S, SFP-GE-L, SFP-GE-Z		
	SPA-8X1GE	SFP-GE-T, SFP-GE-S, -SFP-GEL, SFP-GE-Z		
	SPA-10X1GE	SFP-GE-T, SFP-GE-S, SFP-GE-L, SFP-GE-Z		
	SPA-2GE-7304	SFP-GE-S, SFP-GE-L, SFP-GE-Z		
	SPA-2X1GE-V2	SFP-GE-S, SFP-GE-L, SFP-GE-Z		
	SPA-5X1GE-V2	SFP-GE-T, SFP-GE-S, SFP-GE-L, SFP-GE-Z		
	SPA-8X1GE-V2	SFP-GE-T, SFP-GE-S, SFP-GE-L, SFP-GE-Z		
	SPA-10X1GE-V2	SFP-GE-T, SFP-GE-S, SFP-GE-L, SFP-GE-Z		
ATG Modules	HWIC-1GE-SFP	GLC-T, GLC-SX-MM, GLC-LH-SM, GLC-ZX-SM SFP-GE-T		12.3(8)T4
	NME-XD-24ES-1S-P	GLC-SX-MM, GLC-LH-SM, GLC-ZX-SM		12.2(25)EZ
	NME-XD-48ES-2S-P	GLC-SX-MM, GLC-LH-SM, GLC-ZX-SM		12.2(25)EZ

1. These transceiver modules have been shipping for more than 3 years. Refer to your software release notes for specific platform support for these transceiver modules.

Table 11 Appliance Support

Platform	Switch or Module	Transceiver Module	Minimum Software Release Required	
			Catalyst Operating System	Cisco IOS Release
ASA5500 Series appliances	SSM-4GE	GLC-SX-MM, GLC-LH-SM		ASA 7.0

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