



Cisco Gigabit Ethernet Transceiver Modules Compatibility Matrix

Revised: December 13, 2010



Note

For the clearest readability of these tables, please use the PDF version provided in the upper right side of your browser screen. The HTML version may have confusing alignment of table data.



Note

Requirements and procedures for initial configurations and software upgrades tend to change and therefore appear only in the switch or router software release notes. Before installing, configuring, or upgrading a switch, refer to the product release notes on Cisco.com for the latest information. This matrix does not replace or supersede the release notes.

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

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



Americas Headquarters:

Cisco Systems, Inc., 170 West Tasman Drive, San Jose, CA 95134-1706 USA

© 2004–2010 Cisco Systems, Inc. All rights reserved.

Table 1 Gigabit Ethernet Transceiver Models

| Model Number | Description |
|---|---|
| GBIC Transceivers | |
| 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 |
| CWDM GBIC Transceivers (Dual SC/PC connectors) | |
| 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 |
| DWDM GBIC Transceivers (Dual SC/PC connectors) | |
| 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)

| Model Number | Description |
|---|---|
| DWDM GBIC Transceivers (continued) | |
| 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 |
| SFP Transceivers | |
| 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)

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

Table 1 Gigabit Ethernet Transceiver Models (continued)

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

Table 1 Gigabit Ethernet Transceiver Models (continued)

| Model Number | Description |
|--|------------------------------------|
| DWDM SFP Transceivers (continued) | |
| 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 |
| DWDM SFP Transceivers (8 additional wavelengths) (dual LC/PC connector) | |
| DWDM-SFP-6141= | Cisco 1000BASE-DWDM SFP 1561.42 nm |
| DWDM-SFP-5736= | Cisco 1000BASE-DWDM SFP 1557.36 nm |
| DWDM-SFP-5332= | Cisco 1000BASE-DWDM SFP 1553.33 nm |
| DWDM-SFP-4931= | Cisco 1000BASE-DWDM SFP 1549.32 nm |
| DWDM-SFP-4532= | Cisco 1000BASE-DWDM SFP 1545.32 nm |
| DWDM-SFP-4134= | Cisco 1000BASE-DWDM SFP 1541.35 nm |
| DWDM-SFP-3739= | Cisco 1000BASE-DWDM SFP 1537.40 nm |
| DWDM-SFP-3346= | Cisco 1000BASE-DWDM SFP 1533.47 nm |

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

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

Table 2 Catalyst Express 500 Support

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

Table 3 Metro Ethernet Support

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

Table 3 Metro Ethernet Support (continued)

| Platform | Switch or Module | Transceiver Module | Minimum Software Release Required | |
|------------------------------|------------------------------------|------------------------|-----------------------------------|-------------------|
| | | | DOM Support | Cisco IOS Release |
| Cisco ME 3400 (continued) | ME-3400G-12CS-A ME-3400G-12CS-D | GLC-T (10/100/1000) | — | 12.2(25)SEG1 |
| | | GLC-SX-MM | | |
| | | 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 | |
| | 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 | | |

Table 3 Metro Ethernet Support (continued)

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

Table 3 Metro Ethernet Support (continued)

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

Table 3 Metro Ethernet Support (continued)

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

Table 4 Catalyst 2900 Switches Support

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

Table 4 Catalyst 2900 Switches Support (continued)

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

Table 4 Catalyst 2900 Switches Support (continued)

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

Table 4 Catalyst 2900 Switches Support (continued)

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

Table 5 Catalyst 3500 Switches Support

| Platform | Switch or Module | Transceiver Module | Minimum Software Release Required | |
|------------------------------------|--|------------------------------------|-----------------------------------|-------------------|
| | | | Dom Support | Cisco IOS Release |
| Catalyst 3500XL Series | WS-C3508G-XL-EN | WS-G5482 | — | 12.0(5)XW |
| | WS-C3512-XL-EN | WS-G5483 | | 12.0(5)WC3b |
| | WS-C3524-XL-EN | WS-G5484 | | |
| | WS-C3524-PWR-XL-EN | WS-G5486 | | |
| | WS-C3548-XL-EN | WS-G5487 CWDM GBIC | | |
| Catalyst 3550 Series | WS-C3550-24-SMI WS-C3550-24-EMI WS-C3550-24-DC-SMI | WS-G5482 | — | 12.1(6)EA1a |
| | | WS-G5483 | | 12.1(8)EA1b |
| | | WS-G5484 | | |
| | | WS-G5486 | | |
| | | WS-G5487 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 DWDM 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 DWDM GBIC | | | 12.1(12c)EA1 12.1(20)EA2 | |
| 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 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 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 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 |
| | 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 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) | — | 12.2(20)SE3 | |
| | GLC-SX-MM GLC-LH-SM | | | |
| | GLC-ZX-SM 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 | |

Table 5 Catalyst 3500 Switches Support (continued)

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

Table 5 Catalyst 3500 Switches Support (continued)

| Platform | Switch or Module | Transceiver Module | Minimum Software Release Required | |
|------------------------|---|---------------------|-----------------------------------|-------------------|
| | | | Dom Support | Cisco IOS Release |
| Catalyst 3560-E Series | WS-C3560E-24TD WS-C3560E-24PD WS-C3560E-48TD WS-C3560E-48PD WS-C3560E-48PDF With CVR-X2-SFP (for X2 ports) | GLC-T (10/100/1000) | — | 12.2(35)SE2 |
| | | GLC-SX-MM | | |
| | | GLC-LH-SM | | |
| | | GLC-ZX-SM | 12.2(46)SE | 12.2(35)SE2 |
| | | GLC-BX-D | | |
| | | GLC-BX-U | | |
| | WS-C3560E-12D With CVR-X2-SFP (for X2 ports) | CWDM SFP | | |
| | | SFP-GE-S | | |
| | | SFP-GE-L | | |
| | | SFP-GE-Z | | |
| | | DWDM SFP | 12.2(46)SE | 12.2(40)SE |
| | | DWDM SFP (add.) | 12.2(52)SE | 12.2(52)SE |
| WS-C3560E-12SD | GLC-T (10/100/1000) | — | 12.2(40)EX | |
| | GLC-SX-MM | | | |
| | GLC-LH-SM | | | |
| | GLC-ZX-SM | 12.2(46)SE | 12.2(40)EX | |
| | GLC-BX-D | | | |
| | GLC-BX-U | | | |
| WS-C3560E-12SD | CWDM SFP | | | |
| | DWDM SFP | | | |
| | SFP-GE-S | | | |
| | SFP-GE-L | | | |
| | SFP-GE-Z | | | |
| | DWDM SFP (add.) | 12.2(52)SE | 12.2(52)SE | |

Table 5 Catalyst 3500 Switches Support (continued)

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

Table 6 Catalyst 3700 Series Switches Support

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

Table 6 Catalyst 3700 Series Switches Support (continued)

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

Table 6 Catalyst 3700 Series Switches Support (continued)

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

Table 7 Industrial Ethernet and Smart Grid Support

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

Table 8 Catalyst 4500 and Catalyst 4900 Switches Support

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

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

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

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

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

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

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

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

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

Table 9 Catalyst 6500 Series Switches Support

| Platform | Switch or Module | Transceiver Module | Minimum Software Release Required | | |
|--------------------------------|--|--|--------------------------------------|--------------------------------------|-------------|
| | | | Catalyst Operating System | Cisco IOS Release | DOM Support |
| Catalyst 6500 series | WS-X6K-SUP1-2GE WS-X6K-SUP1A-2GE WS-X6K-SUP1A-MSFC WS-X6K-SUP1A-MSFC2 WS-X6K-SUP1A-PFC WS-X6K-SUP2U-MSFC2 WS-X6K-S2-PFC2 | WS-G5483 | 7.2 | 12.1(13)E | — |
| | | WS-G5484 | Please see release notes for details | Please see release notes for details | — |
| | | WS-G5486 | | | |
| | | WS-G5487 | 7.2 | 12.1(13)E | — |
| | | CWDM GBIC | 7.2 | 12.1(13)E | — |
| | | WS-X6K-SUP2-MSFC2 | 7.2 | 12.1(13)E | — |
| | WS-X6K-SUP2-MSFC2 WS-X6K-SUP2U-PFC2 WS-X6408-GBIC WS-X6408A-GBIC WS-X6416-GBIC WS-X6516-GBIC WS-X6816-GBIC | WS-G5483 | 7.2 | 12.1(13)E | — |
| | | WS-G5484 | Please see release notes for details | Please see release notes for details | — |
| | | WS-G5486 | | | |
| | | WS-G5487 | 7.2 | 12.1(13)E | — |
| | | CWDM GBIC | 7.2 | 12.1(13)E | — |
| | | DWDM GBIC | 8.3.1 | 12.2(17a)SX | — |
| | WS-X6516A-GBIC | WS-G5483 WS-G5484 WS-G5486 WS-G5487 | 7.5.1 | 12.1(19)E1 | — |
| | | | Please see release notes for details | Please see release notes for details | — |
| 7.5.1 | | | | | |
| CWDM GBIC | | | 7.5.1 | 12.1(19)E1 | — |
| WS-SUP720 | | DWDM GBIC | 8.3.1 | 12.2(17a)SX | — |
| | | 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 WS-SUP720-3BXL | GLC-T (1000BASE-T) | 8.3.2 | 12.2(17d)SXB1 | — | |
| | 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 (continued)

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

Table 10 Data Center and Blade Switching Support

| Platform | Switch or Module | Transceiver Module | Minimum Software Release Required | |
|---|---|---|-----------------------------------|--|
| | | | DOM support | Cisco IOS or NX-OS Release |
| Cisco Catalyst 2350 Series | 2350-48TD-S 2350-48TD-SD (with CVR-X2-SFP TwinGig converter) | GLC-T GLC-SX-MM | — | Cisco IOS 12.2(46)EY |
| Cisco Catalyst 2360 Series | 2360-48TD-S | GLC-SX-MM GLC-LH-SM | — | Cisco IOS 12.2(53)EY |
| Cisco Catalyst 3000 and 3100 Blade Switches | WS-CBS3020-HPQ WS-CBS3030-DEL | GLC-T GLC-SX-MM GLC-LH-SM | — | Cisco IOS 12.2(35)SE |
| | WS-CBS3040-FSC | GLC-T GLC-SX-MM | — | Cisco IOS 12.2(35)SE |
| | WS-CBS3032-DEL WS-CBS-3120G-S WS-CBS-3130G-S (with CVR-X2-SFP TwinGig converter) | GLC-T GLC-SX-MM GLC-LH-SM | — | Cisco IOS 12.2(40)EX1 |
| | WS-CBS3110X-S (with CVR-X2-SFP TwinGig converter) | GLC-T GLC-SX-MM GLC-LH-SM | — | Cisco IOS 12.2(52)SE |
| Cisco Nexus 2000 Series | N2K-C2232PP-10GE | GLC-T GLC-SX-MM GLC-LH-SM | — | NX-OS 4.2(1)N2(1) |
| Cisco Nexus 4000 Series | N4K-4001I-XPX | GLC-T GLC-SX-MM GLC-LH-SM | — | NX-OS 4.1(2)E1(1) |
| Cisco Nexus 5000 Series | N5K-C5010P-BF N5K-C5020P-BF | GLC-T GLC-SX-MM GLC-LH-SM | — | NX-OS 4.0(1a)N1(1) |
| Cisco Unified Computing System | N10-S6100 N10-S6200 N10-E0440 N10-E0600 N20-I6584 | SFP-GE-S SFP-GE-L 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 |

Table 10 Data Center and Blade Switching Support (continued)

| Platform | Switch or Module | Transceiver Module | Minimum Software Release Required | |
|-------------------------|---|--|---|--|
| | | | DOM support | Cisco IOS or NX-OS Release |
| Cisco Nexus 7000 Series | N7K-M148GS-11 | SFP-GE-S GLC-SX-MM SFP-GE-L GLC-LH-SM SFP-GE-Z GLC-ZX-SM GLC-T (1000BASE-T) SFP-GE-T (1000BASE-T) CWDM SFP DWDM SFP | NX-OS 4.1(2) — NX-OS 4.1(2) — NX-OS 4.1(2) — — — NX-OS 4.2(1) NX-OS 4.2(1) | NX-OS 4.1(2) NX-OS 4.2(1) |
| | N7K-M148GS-11L | SFP-GE-S GLC-SX-MM SFP-GE-L GLC-LH-SM SFP-GE-Z GLC-ZX-SM GLC-T (1000BASE-T) SFP-GE-T (1000BASE-T) CWDM SFP DWDM SFP | NX-OS 5.0 — NX-OS 5.0 — NX-OS 5.0 — — — NX-OS 5.0 NX-OS 5.0 | NX-OS 5.0 |
| | N7K-F132XP-15 | SFP-GE-S GLC-SX-MM SFP-GE-L GLC-LH-SM SFP-GE-Z GLC-ZX-SM GLC-T (1000BASE-T) SFP-GE-T (1000BASE-T) | NX-OS 5.1 — NX-OS 5.1 — NX-OS 5.1 — — — | NX-OS 5.1 |
| 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: http://www/en/US/prod/collateral/ps4159/ps6409/ps4358/product_data_sheet09186a00801bc698.html | | | |

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-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 |

Table 11 Router Support (continued)

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

Table 11 Router Support (continued)

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

Table 11 Router Support (continued)

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

Table 11 Router Support (continued)

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

Table 11 Router Support (continued)

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

Table 11 Router Support (continued)

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

Table 11 Router Support (continued)

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

Table 11 Router Support (continued)

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

Table 12 Appliance Support

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

Obtaining Documentation and Submitting a Service Request

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

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

Subscribe to the *What's New in Cisco Product Documentation* as a Really Simple Syndication (RSS) feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service and Cisco currently supports RSS Version 2.0.

This document is to be used in conjunction with the publications shipped with your chassis.

Cisco and the Cisco Logo are trademarks of Cisco Systems, Inc. and/or its affiliates in the U.S. and other countries. A listing of Cisco's trademarks can be found at www.cisco.com/go/trademarks. Third party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1005R)

Copyright © 2004–2010, Cisco Systems, Inc.
All rights reserved. Printed in USA.