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- C4500X
- C3850
- C3750X
- C3650
- C3560X

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 C9200
 C9200L
 C9600
 C9300L
 C9800
 N7700
 NCS520
 C8500
 C8300
 C9300X
 C9400X
 C9200CX
 C9300LM
 IE9300

C9300L

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|----------------|
| C9300L-24T-4X | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.12.1 | IOS XE 16.12.1 |
| C9300L-48T-4X | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.12.1 | IOS XE 16.12.1 |
| C9300L-24P-4X | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.12.1 | IOS XE 16.12.1 |
| C9300L-48P-4X | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.12.1 | IOS XE 16.12.1 |
| C9300L-24UXG-4X | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.12.2 | IOS XE 16.12.2 |
| C9300L-48UXG-4X | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.12.2 | IOS XE 16.12.2 |
| C9300L-48PF-4X | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.12.2 | IOS XE 16.12.2 |

ASR9000

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|--------------|
| ASR-9001 | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 5.1.1 | IOS XR 5.1.1 |
| A9K-4T16GE-TR | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 5.3.0 | IOS XR 5.3.0 |
| A9K-4T16GE-SE | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 5.3.0 | IOS XR 5.3.0 |
| ASR-9001-S | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 5.1.1 | IOS XR 5.1.1 |
| A9K-16T8-B | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 4.2.3 | IOS XR 4.2.3 |

Network Device Notes for above line :
 • All 40 DWDM wavelengths

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|--|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|---------------------|
| A9K-24X10GE-SE | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 4.2.3 | IOS XR 4.2.3 |
| A9K-24X10GE-TR | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 4.2.3 | IOS XR 4.2.3 |
| A9K-36X10GE-SE | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 4.2.3 | IOS XR 4.2.3 |
| A9K-36X10GE-TR | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 4.2.3 | IOS XR 4.2.3 |
| A9K-MPA-8X10GE | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 4.3.1 | IOS XR 4.3.1 |
| Network Device Notes for above line : • On MOD80 and MOD160. | | | | | | | | | | | | | |
| A9K-MPA-8X10GE | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 5.3.2 | IOS XR 5.3.2 |
| Network Device Notes for above line : • On MOD200 and MOD400. | | | | | | | | | | | | | |
| A9K-MPA-8X10GE | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 64 Bit 6.3.1 | IOS XR 64 Bit 6.3.1 |
| Network Device Notes for above line : • Supports all 40 wavelengths. On MOD200 and MOD400 | | | | | | | | | | | | | |
| A9K-24X10GE-1G-SE | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 64 Bit 6.3.2 | IOS XR 64 Bit 6.3.2 |
| A9K-24X10GE-1G-SE | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 6.3.2 | IOS XR 6.3.2 |
| A9K-24X10GE-1G-TR | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 64 Bit 6.3.2 | IOS XR 64 Bit 6.3.2 |
| A9K-24X10GE-1G-TR | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 6.3.2 | IOS XR 6.3.2 |
| A9K-48X10GE-1G-SE | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 64 Bit 6.3.2 | IOS XR 64 Bit 6.3.2 |
| A9K-48X10GE-1G-SE | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 6.3.2 | IOS XR 6.3.2 |
| A9K-48X10GE-1G-TR | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 64 Bit 6.3.2 | IOS XR 64 Bit 6.3.2 |
| A9K-48X10GE-1G-TR | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 6.3.2 | IOS XR 6.3.2 |
| A9K-MPA-20X10GE | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 5.3.2 | IOS XR 5.3.2 |
| Network Device Notes for above line : • On MOD400. | | | | | | | | | | | | | |
| A9K-MPA-20X10GE | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 6.0.1 | IOS XR 6.0.1 |
| Network Device Notes for above line : • On MOD200. | | | | | | | | | | | | | |
| A9K-MPA-20X10GE | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 64 Bit 6.4.1 | IOS XR 64 Bit 6.4.1 |
| Network Device Notes for above line : • On MOD200 and MOD400. All 40 wavelengths. | | | | | | | | | | | | | |
| A9K-400G-DWDM-TR | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 5.3.3 | IOS XR 5.3.3 |
| A99-48X10GE-1G-SE | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 64 Bit 6.5.2 | IOS XR 64 Bit 6.5.2 |
| A99-48X10GE-1G-SE | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 6.5.2 | IOS XR 6.5.2 |
| A99-48X10GE-1G-TR | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 64 Bit 6.5.2 | IOS XR 64 Bit 6.5.2 |
| A99-48X10GE-1G-TR | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 6.5.2 | IOS XR 6.5.2 |
| ASR-9901 | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 64 Bit 6.5.2 | IOS XR 64 Bit 6.5.2 |
| A99-48X10GE-1G-FC | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 64 bit 6.5.2 | IOS XR 64 bit 6.5.2 |
| A99-48X10GE-1G-FC | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 6.5.2 | IOS XR 6.5.2 |
| A9K-24X10GE-1G-FC | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 64 bit 6.3.2 | IOS XR 64 bit 6.3.2 |
| A9K-24X10GE-1G-FC | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 6.3.2 | IOS XR 6.3.2 |
| A9K-MPA-8X10GE-FC | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 4.3.1 | IOS XR 4.3.1 |
| Network Device Notes for above line : • On MOD80 and MOD160. | | | | | | | | | | | | | |
| A9K-MPA-8X10GE-FC | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 5.3.2 | IOS XR 5.3.2 |
| Network Device Notes for above line : • On MOD200 and MOD400. | | | | | | | | | | | | | |

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|--|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|---------------------|
| A9K-MPA-8X10GE-FC | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 64 bit 6.3.1 | IOS XR 64 bit 6.3.1 |
| Network Device Notes for above line : • Supports all 40 wavelengths. On MOD200 and MOD400 | | | | | | | | | | | | | |
| A9K-MPA-20X10GE-FC | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 5.3.2 | IOS XR 5.3.2 |
| Network Device Notes for above line : • On MOD400. | | | | | | | | | | | | | |
| A9K-MPA-20X10GE-FC | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 6.0.1 | IOS XR 6.0.1 |
| Network Device Notes for above line : • On MOD200. | | | | | | | | | | | | | |
| A9K-MPA-20X10GE-FC | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 64 bit 6.4.1 | IOS XR 64 bit 6.4.1 |
| Network Device Notes for above line : • On MOD200 and MOD400. All 40 wavelengths. | | | | | | | | | | | | | |
| ASR-9901-FC | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 64 bit 6.5.2 | IOS XR 64 bit 6.5.2 |
| A9K-48X10GE-1G-FC | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 64 bit 6.3.2 | IOS XR 64 bit 6.3.2 |
| A9K-48X10GE-1G-FC | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 6.3.2 | IOS XR 6.3.2 |

N7000

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|---------------|
| N7K-M132XP-12L | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 6.1(1) | NX-OS 6.1(1) |
| N7K-M224XP-23L | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 6.1(1) | NX-OS 6.1(1) |
| N7K-F312FQ-25 | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 8.2(1) | NX-OS 8.2(1) |
| N7K-F132XP-15 | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 6.1(1) | NX-OS 6.1(1) |
| N7K-F248XP-25 | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 6.1(1) | NX-OS 6.1(1) |
| N7K-F248XP-25E | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 6.1(2) | NX-OS 6.1(2) |
| N7K-F348XP-25 | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 6.2(12) | NX-OS 6.2(12) |
| N7K-M348XP-25L | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 8.0(1) | NX-OS 8.0(1) |
| N7K-M324FQ-25L | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 8.2(1) | NX-OS 8.2(1) |

NCS540

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|--------------|
| N540-24Z8Q2C-SYS | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 6.3.2 | IOS XR 6.3.2 |
| Network Device Notes for above line : • Supported on SFP10 ports 0-23 only | | | | | | | | | | | | | |
| N540-ACC-SYS | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 6.3.2 | IOS XR 6.3.2 |
| Network Device Notes for above line : • Supported on SFP10 ports 0-23 only | | | | | | | | | | | | | |
| N540X-ACC-SYS | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 6.3.2 | IOS XR 6.3.2 |
| Network Device Notes for above line : • Supported on SFP10 ports 0-23 only | | | | | | | | | | | | | |
| N540X-16Z4G8Q2C-A | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.1.1 | IOS XR 7.1.1 |
| Network Device Notes for above line : • Supported on SFP10 ports 4-19 only | | | | | | | | | | | | | |

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|--------------|
| N540X-16Z4G8Q2C-D | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.1.1 | IOS XR 7.1.1 |
| Network Device Notes for above line : • Supported on SFP10 ports 4-19 only | | | | | | | | | | | | | |
| N540X-12Z16G-SYS-A | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.1.1 | IOS XR 7.1.1 |
| Network Device Notes for above line : • Supported on SFP10 ports 4-19 only | | | | | | | | | | | | | |
| N540X-12Z16G-SYS-D | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.1.1 | IOS XR 7.1.1 |
| Network Device Notes for above line : • Supported on SFP10 ports 4-19 only | | | | | | | | | | | | | |
| N540X-4Z14G2Q-A | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.6.1 | IOS XR 7.6.1 |
| N540X-4Z14G2Q-D | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.6.1 | IOS XR 7.6.1 |
| N540X-16Z8Q2C-D | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.5.2 | IOS XR 7.5.2 |

N3000

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|--|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|--------------------|
| N3K-C3232C | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 7.0(3)I4(1) | NX-OS 7.0(3)I4(1) |
| Network Device Notes for above line : • Native SFP+ ports | | | | | | | | | | | | | |
| N3K-C3232C | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 7.0(3)I5(1) | |
| N3K-C36180YC-R | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 9.3(3) | NX-OS 9.3(3) |
| N3K-C3064PQ-10GE | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 5.0(3)U3(2b) | NX-OS 5.0(3)U3(2b) |
| Network Device Notes for above line : • Native SFP+ ports | | | | | | | | | | | | | |
| N3K-C3064PQ-10GE | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 6.0(2)U2(1) | — |
| N3K-C3064PQ-10GX | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 5.0(3)U4(1) | NX-OS 5.0(3)U4(1) |
| Network Device Notes for above line : • Native SFP+ ports | | | | | | | | | | | | | |
| N3K-C3064PQ-10GX | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 6.0(2)U2(1) | — |
| N3K-C3016Q-40GE | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 6.0(2)U2(1) | — |
| N3K-C3064TQ-32T | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 6.0(2)U2(1) | — |
| N3K-C3064TQ-10GT | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 6.0(2)U2(1) | — |
| N3K-C3132Q-40GE | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 6.0(2)U2(1) | NX-OS 6.0(2)U2(1) |
| N3K-C3132Q-40GX | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 7.0(3)I2(1a) | NX-OS 7.0(3)I2(1a) |
| Network Device Notes for above line : • Native SFP+ ports | | | | | | | | | | | | | |
| N3K-C3132Q-40GX | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 7.0(3)I3(1) | NX-OS 7.0(3)I3(1) |
| N3K-C3132Q-XL | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 7.0(3)I2(2) | NX-OS 7.0(3)I2(2) |
| Network Device Notes for above line : • For native SFP+ ports only. | | | | | | | | | | | | | |
| N3K-C3132Q-V | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 7.0(3)I4(1) | NX-OS 7.0(3)I4(1) |
| Network Device Notes for above line : • For native SFP+ ports only. | | | | | | | | | | | | | |

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|-------------------|
| N3K-C3172TQ-32T | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 6.0(2)U4(1) | NX-OS 6.0(2)U4(1) |
| N3K-C3172PQ-10GE | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 6.0(2)U3(1) | NX-OS 6.0(2)U3(1) |
| N3K-C3172PQ-XL | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 7.0(3)I2(2) | NX-OS 7.0(3)I2(2) |
| N3K-C3172TQ-XL | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 7.0(3)I2(2) | NX-OS 7.0(3)I2(2) |
| N3K-C31108PC-V | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 7.0(3)I4(1) | NX-OS 7.0(3)I4(1) |
| N3K-C31108TC-V | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 7.0(3)I4(1) | NX-OS 7.0(3)I4(1) |
| N3K-C31128PQ-10GE | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 7.0(3)I4(1) | NX-OS 7.0(3)I4(1) |

Network Device Notes for above line :

- Native SFP+ ports

| | | | | | | | | | | | | | |
|------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|-------------------|-------------------|
| N3K-C3264Q | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 7.0(3)I4(1) | NX-OS 7.0(3)I4(1) |
|------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|-------------------|-------------------|

Network Device Notes for above line :

- Native SFP+ ports

| | | | | | | | | | | | | | |
|-----------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|-------------------|-------------------|
| N3K-C3048TP-1GE | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 5.0(3)U4(1) | NX-OS 5.0(3)U4(1) |
| N3K-C3264C-E | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 9.2(1) | NX-OS 9.2(1) |

Network Device Notes for above line :

- For QSFP Ports (1-64), QSA (CVR-QSFP-SFP10G) required.

| | | | | | | | | | | | | | |
|--------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|--------------|--------------|
| N3K-C3132C-Z | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 9.2(2) | NX-OS 9.2(2) |
|--------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|--------------|--------------|

Network Device Notes for above line :

- For QSFP Ports (1-32), QSA (CVR-QSFP-SFP10G) required.

| | | | | | | | | | | | | | |
|--------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|-------------|---|
| N3K-C34180YC | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 9.2.2 | — |
|--------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|-------------|---|

Network Device Notes for above line :

- SFP Ports (1-48).

| | | | | | | | | | | | | | |
|-----------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|---------------|---------------|
| N3K-C34200YC-SM | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 9.2(2V) | NX-OS 9.2(2V) |
|-----------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|---------------|---------------|

Network Device Notes for above line :

- SFP Ports (1-48).

AIRCTU

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|----------------|
| AIR-CT5760-25-K9 | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.3.3SE | IOS XE 3.3.3SE |
| AIR-CT5760-50-K9 | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.3.3SE | IOS XE 3.3.3SE |
| AIR-CT5760-100-K9 | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.3.3SE | IOS XE 3.3.3SE |
| AIR-CT5760-250-K9 | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.3.3SE | IOS XE 3.3.3SE |
| AIR-CT5760-500-K9 | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.3.3SE | IOS XE 3.3.3SE |
| AIR-CT5760-1K-K9 | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.3.3SE | IOS XE 3.3.3SE |
| AIR-CT5760-HA-K9 | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.3.3SE | IOS XE 3.3.3SE |

N9300

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|--------------------|
| N9K-C93180YC-EX | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | ACI-N9KDK9-11.3(2) | ACI-N9KDK9-13.0(1) |

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|--------------------|
| Network Device Notes for above line : • a) SFP Ports (1-48). ___ b) QSFP Ports (49-54), QSA (CVR-QSFP-SFP10G) required, Min SW Release ACI-N9KDK9-12.1(1). | | | | | | | | | | | | | |
| N9K-C93180YC-EX | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 10.1.1 | NX-OS 10.1.1 |
| Network Device Notes for above line : • SFP Ports (1-48). | | | | | | | | | | | | | |
| N9K-C93180YC-FX | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 7037.1 | — |
| Network Device Notes for above line : • SFP Ports (1-48). | | | | | | | | | | | | | |
| N9K-C93180YC-FX | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | ACI-N9KDK9-12.2(2) | ACI-N9KDK9-13.0(1) |
| Network Device Notes for above line : • a) SFP Ports (1-48). ___ b) QSFP Ports (49-54), QSA (CVR-QSFP-SFP10G) required. ___ c) QSP Ports (49 - 52) supports 40G breakout, Min SW Release ACI-N9KDK9-13.2(1). | | | | | | | | | | | | | |
| N9K-C9348GC-FXP | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | ACI-N9KDK9-13.0(1) | ACI-N9KDK9-13.0(1) |
| Network Device Notes for above line : • a) SFP Ports (49-52). ___ b) QSFP Ports (53-54), QSA (CVR-QSFP-SFP10G) required, Min SW Release ACI-N9KDK9-13.1(2). | | | | | | | | | | | | | |
| N9K-C9348GC-FXP | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 10.1.1 | NX-OS 10.1.1 |
| Network Device Notes for above line : • Supported on ports 49 - 52 only | | | | | | | | | | | | | |
| N9K-C93240YC-FX2 | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 7037.3 | — |
| Network Device Notes for above line : • SFP Ports (1-48). Breakout not supported. | | | | | | | | | | | | | |
| N9K-C93240YC-FX2 | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | ACI-N9KDK9-14.0(1) | ACI-N9KDK9-14.0(1) |
| Network Device Notes for above line : • a) SFP Ports (1-48). ___ b) QSFP Ports (49-60), QSA (CVR-QSFP-SFP10G) required. | | | | | | | | | | | | | |
| N9K-C9336C-FX2 | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 10.2(1) | NX-OS 10.2(1) |
| Network Device Notes for above line : • QSFP Ports (1-36), QSA(CVR-QSFP-SFP10G) required | | | | | | | | | | | | | |
| N9K-M12PQ | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 6.1(2)I3(3) | NX-OS 6.1(2)I3(3) |
| N9K-M6PQ-E | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 7.0(3)I2(1) | NX-OS 7.0(3)I2(1) |
| N9K-C9372TX | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 6.1(2)I3(3) | NX-OS 6.1(2)I3(3) |
| N9K-C9372PX | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 7.0(3)I1(2) | — |
| Network Device Notes for above line : • SFP Ports (1-48). | | | | | | | | | | | | | |
| N9K-C9372PX | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | ACI-N9KDK9-11.0(3f) | ACI-N9KDK9-13.0(1) |
| Network Device Notes for above line : • SFP Ports (1-48) | | | | | | | | | | | | | |
| N9K-C9372PX-E | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 7.0(3)I2(1) | — |
| Network Device Notes for above line : • SFP Ports (1-48). | | | | | | | | | | | | | |
| N9K-C9372PX-E | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | ACI-N9KDK9-11.1(2h) | ACI-N9KDK9-13.0(1) |
| Network Device Notes for above line : • SFP Ports (1-48) | | | | | | | | | | | | | |
| N9K-C9332PQ | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 6.1(2)I3(3) | NX-OS 6.1(2)I3(3) |
| N9K-C9332PQ | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | ACI-N9KDK9-12.0 | ACI-N9KDK9-12.0 |
| Network Device Notes for above line : • QSFP Ports (1-26): QSA (CVR-QSFP-SFP10G) required | | | | | | | | | | | | | |
| N9K-C93120TX | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 7.0(3)I1(2) | NX-OS 7.0(3)I1(2) |
| N9K-C9372TX-E | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 7.0(3)I3(1) | NX-OS 7.0(3)I3(1) |
| N9K-C93108TC-EX | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | ACI-N9KDK9-13.1(1) | ACI-N9KDK9-13.1(1) |

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|---------------------|
| Network Device Notes for above line : • QSFP Ports (49-54), QSA (CVR-QSFP-SFP10G) required, min SW Release ACI-N9KDK9-12.1(1). | | | | | | | | | | | | | |
| N9K-C93108TC-EX | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 10.1.1 | NX-OS 10.1.1 |
| Network Device Notes for above line : • QSFP Ports (49-54): QSA (CVR-QSFP-SFP10G) required. | | | | | | | | | | | | | |
| N9K-C93180LC-EX | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | ACI-N9KDK9-12.2(1) | ACI-N9KDK9-13.0(1) |
| Network Device Notes for above line : • QSFP Ports (1-32), QSA (CVR-QSFP-SFP10G) required. | | | | | | | | | | | | | |
| N9K-C93108TC-FX | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | ACI-N9KDK9-13.1(1) | ACI-N9KDK9-13.1(1) |
| Network Device Notes for above line : • QSFP Ports (49-54): QSA (CVR-QSFP-SFP10G) required. | | | | | | | | | | | | | |
| N9K-C93108TC-FX | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 10.1.1 | NX-OS 10.1.1 |
| Network Device Notes for above line : • QSFP Ports (49-54): QSA (CVR-QSFP-SFP10G) required. | | | | | | | | | | | | | |
| N9K-C9364C | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | ACI-N9KDK9-13.0(1) | ACI-N9KDK9-13.0(1) |
| Network Device Notes for above line : • a) QSFP Ports (1-64), QSA (CVR-QSFP-SFP10G) required. ___ b) SFP Ports (65-66). | | | | | | | | | | | | | |
| N9K-C9364C | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 10.1.1 | NX-OS 10.1.1 |
| Network Device Notes for above line : • a) QSFP Ports (1-64), QSA (CVR-QSFP-SFP10G) required. ___ b) SFP Ports (65-66). | | | | | | | | | | | | | |
| N9K-C9396PX | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 7.0(3)11(2) | — |
| N9K-C9396PX | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | ACI-N9KDK9-11.0(3f) | ACI-N9KDK9-13.0(1) |
| N9K-C9332C | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | ACI-N9KDK9-14.0(1) | ACI-N9KDK9-14.0(1) |
| Network Device Notes for above line : • a) QSFP Ports (1-32), QSA (CVR-QSFP-SFP10G) required. ___ b) SFP Ports (33-34). | | | | | | | | | | | | | |
| N9K-C9332C | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 10.1.1 | NX-OS 10.1.1 |
| Network Device Notes for above line : • a) QSFP Ports (1-32), QSA (CVR-QSFP-SFP10G) required. ___ b) SFP Ports (33-34). | | | | | | | | | | | | | |
| N9K-C93360YC-FX2 | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 10.1.1 | NX-OS 10.1.1 |
| Network Device Notes for above line : • SFP Ports (1-96), QSFP Ports (97-108): QSA (CVR-QSFP-SFP10G) required. | | | | | | | | | | | | | |
| N9K-C93216TC-FX2 | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 10.4(1) | NX-OS 10.4(1) |
| N9K-C93600CD-GX | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 10.1.1 | NX-OS 10.1.1 |
| Network Device Notes for above line : • For QSFP-DD and QSFP28 Ports, QSA (CVR-QSFP-SFP10G) required | | | | | | | | | | | | | |
| N9K-C9316D-GX | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 10.1.1 | NX-OS 10.1.1 |
| Network Device Notes for above line : • For QSFP-DD and QSFP28 Ports, QSA (CVR-QSFP-SFP10G) required | | | | | | | | | | | | | |
| N9K-C9364C-GX | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | ACI-N9KDK9-14.2(3f) | ACI-N9KDK9-14.2(3f) |
| Network Device Notes for above line : • For QSFP Ports, QSA (CVR-QSFP-SFP10G) required | | | | | | | | | | | | | |
| N9K-C9364C-GX | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 10.1.1 | NX-OS 10.1.1 |
| Network Device Notes for above line : • For QSFP Ports, QSA (CVR-QSFP-SFP10G) required | | | | | | | | | | | | | |
| N9K-C93180YC-FX3S | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 9.3(5) | NX-OS 9.3(5) |
| Network Device Notes for above line : • a) SFP Ports (1-48). ___ b) QSFP Ports (49-54), QSA (CVR-QSFP-SFP10G) required. | | | | | | | | | | | | | |
| N9K-C93180YC-FX3 | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 9.3(7) | NX-OS 9.3(7) |
| Network Device Notes for above line : • a) SFP Ports (1-48). ___ b) QSFP Ports (49-54), QSA (CVR-QSFP-SFP10G) required. | | | | | | | | | | | | | |
| N9K-C93108TC-FX3P | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 9.3.5 | NX-OS 9.3.5 |
| Network Device Notes for above line : • QSFP Ports: QSA (CVR-QSFP-SFP10G) required. | | | | | | | | | | | | | |

N9500

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|--------------------|
| N9K-X97160YC-EX | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 7.0(3)15(2) | NX-OS 7.0(3)15(2) |
| Network Device Notes for above line : • 1) SFP ports (1-48) 2) QSFP ports (49-52), QSA (CVR-QSFP-SFP10G) required. | | | | | | | | | | | | | |
| N9K-X9564PX | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 7.0(3)11(2) | — |
| Network Device Notes for above line : • Downlinks. | | | | | | | | | | | | | |
| N9K-X9464PX | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 7.0(3)11(2) | — |
| N9K-X9732C-EX | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | ACI-N9KDK9-11.3 | ACI-N9KDK9-13.0(1) |
| Network Device Notes for above line : • QSFP Ports, QSA (CVR-QSFP-SFP10G) required. | | | | | | | | | | | | | |
| N9K-X9736C-FX | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | ACI-N9KDK9-13.1 | ACI-N9KDK9-13.1 |
| Network Device Notes for above line : • QSFP Ports, QSA (CVR-QSFP-SFP10G) required. | | | | | | | | | | | | | |
| N9K-X9716D-GX | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | ACI-N9KDK9-15.1(1) | ACI-N9KDK9-15.1(1) |
| Network Device Notes for above line : • QSFP-DD Ports, QSA (CVR-QSFP-SFP10G) required. | | | | | | | | | | | | | |

C9300X

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|--|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|----------------|
| C9300X-12Y | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.5.1 | IOS XE 17.5.1 |
| C9300X-NM-2C | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.12.1 | IOS XE 17.12.1 |
| Network Device Notes for above line : • For QSFP ports, QSA28 (CVR-QSFP28-SFP25G) required. Uplink module for C9300X models only | | | | | | | | | | | | | |
| C9300X-24Y | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.5.1 | IOS XE 17.5.1 |
| C9300X-NM-8Y | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.5.1 | IOS XE 17.5.1 |
| C9300X-NM-4C | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.12.1 | IOS XE 17.12.1 |
| Network Device Notes for above line : • For QSFP ports, QSA28 (CVR-QSFP28-SFP25G) required. Uplink module C9300X-NM-4C is supported in the C9300X-48HX, C9300X-48TX and C9300X-24Y. | | | | | | | | | | | | | |

C9500

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|--|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|----------------|
| C9500-24Y4C | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.8.1 | IOS XE 16.8.1 |
| Network Device Notes for above line : • SFP Ports 1-24 | | | | | | | | | | | | | |
| C9500-48Y4C | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.8.1 | IOS XE 16.8.1 |
| Network Device Notes for above line : • SFP Ports 1-48 | | | | | | | | | | | | | |
| C9500-40X | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.6.1 | IOS XE 16.6.1 |
| C9500-32QC | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.10.1 | IOS XE 16.10.1 |
| Network Device Notes for above line : • QSFP Ports: QSA (CVR-QSFP-SFP10G) required. | | | | | | | | | | | | | |
| C9500-32C | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.10.1 | IOS XE 16.10.1 |

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|--|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|----------------|
| Network Device Notes for above line : • QSFP Ports: QSA (CVR-QSFP-SFP10G) required. | | | | | | | | | | | | | |
| C9500-NM-8X | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.6.1 | IOS XE 16.6.1 |
| C9500-16X | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.8.1 | IOS XE 16.8.1 |
| C9500X-28C8D | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.7.1 | IOS XE 17.7.1 |
| Network Device Notes for above line : • For QSFP28 and QSFP-DD ports, QSA (CVR-QSFP-SFP10G) is required | | | | | | | | | | | | | |
| C9500X-60L4D | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.10.1 | IOS XE 17.10.1 |
| Network Device Notes for above line : • For QSFP28 and QSFP-DD ports, QSA (CVR-QSFP-SFP10G) is required | | | | | | | | | | | | | |

C9300

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|---------------|
| C9300-NM-8X | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.5.1 | IOS XE 16.5.1 |

NCS4200

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|-------------|
| NCS4200-1T8LR-PS | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 3.13.0S | |
| NCS4201-SA | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.14 | IOS XE 3.14 |
| NCS 4201-SA | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.14 | |
| NCS4200-8T-PS | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 3.16.1S | |
| NCS4202-SA | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.13 | IOS XE 3.13 |

ME3600X

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|--------------|
| ME-3600X-24FS-M | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(4)S | IOS 15.2(4)S |
| Network Device Notes for above line : • SFP+ ports | | | | | | | | | | | | | |
| ME-3600X-24TS-M | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(4)S | IOS 15.2(4)S |
| Network Device Notes for above line : • SFP+ ports | | | | | | | | | | | | | |

C4500X

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|-------------|
| WS-C4500X-32SFP+ | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 3.5.0E | IOS 3.5.0E |
| WS-C4500X-F-32SFP+ | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 3.5.0E | IOS 3.5.0E |

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|-------------|
| WS-C4500X-40X-ES | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 3.5.0E | IOS 3.5.0E |
| C4KX-NM-8SFP+ | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 3.5.0E | IOS 3.5.0E |
| WS-C4500X-16SFP+ | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 3.5.0E | IOS 3.5.0E |
| WS-C4500X-F-16SFP+ | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 3.5.0E | IOS 3.5.0E |
| WS-C4500X-24X-ES | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 3.5.0E | IOS 3.5.0E |

C2960XR

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|---------------|
| WS-C2960XR-24TD-I | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(2)E3 | IOS 15.2(2)E3 |
| WS-C2960XR-48TD-I | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(2)E3 | IOS 15.2(2)E3 |
| WS-C2960XR-24PD-I | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(2)E3 | IOS 15.2(2)E3 |
| WS-C2960XR-48LPD-I | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(2)E3 | IOS 15.2(2)E3 |
| WS-C2960XR-48FPD-I | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(2)E3 | IOS 15.2(2)E3 |

C6000

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|---------------|
| WS-X6904-40G-2T | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(1)SY | IOS 15.2(1)SY |
| Network Device Notes for above line : • With CVR-CFP-4SFP10G FourX converter for CFP ports | | | | | | | | | | | | | |
| WS-X6904-40G-2TXL | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(1)SY | IOS 15.2(1)SY |
| Network Device Notes for above line : • With CVR-CFP-4SFP10G FourX converter for CFP ports | | | | | | | | | | | | | |

C8300

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|---------------|
| C-NIM-1X | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.3.2 | IOS XE 17.3.2 |

NCS5000

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|-------------|
| NCS-5001 | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 6.0.0 | |
| NCS-5002 | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 6.0.0 | |

ASR903

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|-------------|
| A900-IMA8S1Z | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 3.13.0S | |
| A900-IMA8T1Z | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 3.13.0S | |
| A900-IMA2Z | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 3.13.0S | |
| Network Device Notes for above line : • For ASR903/ASR907/NCS4200 | | | | | | | | | | | | | |
| A900-IMA2Z | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 3.14.0S | |
| Network Device Notes for above line : • For ASR920/NCS4201/NCS4202 | | | | | | | | | | | | | |
| A900-IMA8Z | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 3.16.1S | |

C9200L

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|----------------|
| C9200L-24P-4X | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.9.2 | IOS XE 16.9.2 |
| Network Device Notes for above line : • On board - fixed uplinks | | | | | | | | | | | | | |
| C9200L-48P-4X | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.9.2 | IOS XE 16.9.2 |
| Network Device Notes for above line : • On board - fixed uplinks | | | | | | | | | | | | | |
| C9200L-24T-4X | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.9.2 | IOS XE 16.9.2 |
| Network Device Notes for above line : • On board - fixed uplinks | | | | | | | | | | | | | |
| C9200L-48T-4X | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.9.2 | IOS XE 16.9.2 |
| Network Device Notes for above line : • On board - fixed uplinks | | | | | | | | | | | | | |
| C9200L-24PXG-4X | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.11.1 | IOS XE 16.11.1 |
| Network Device Notes for above line : • On board - fixed uplinks | | | | | | | | | | | | | |
| C9200L-48PXG-4X | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.11.1 | IOS XE 16.11.1 |
| Network Device Notes for above line : • On board - fixed uplinks | | | | | | | | | | | | | |
| C9200L-48PL-4X | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.3.1 | IOS XE 17.3.1 |

C4900

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|-------------|
| WS-C4948E | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(1)E | — |
| WS-C4948E-F | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(1)E | — |

NCS560

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|--------------|
| A900-IMA-8Z | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.3.1 | IOS XR 7.3.1 |
| A900-IMA-8CS1Z | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.3.1 | IOS XR 7.3.1 |
| A900-IMA-8Z-L | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.3.1 | IOS XR 7.3.1 |

N9200

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|--------------|
| N9K-C92160YC-X | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 7.0(3)13.1 | — |
| N9K-C92300YC | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 70316.1 | — |
| N9K-C92348GC-X | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 10.1.1 | NX-OS 10.1.1 |

Network Device Notes for above line :

- For QSFP Ports: QSA (CVR-QSFP-SFP10G) required.

NCS520

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|---------------|
| N520-4G4Z | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.8.1 | IOS XE 16.8.1 |
| N520-X-4G4Z | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.8.1 | IOS XE 16.8.1 |
| N520-20G4Z | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.8.1 | IOS XE 16.8.1 |
| N520-X-20G4Z | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.8.1 | IOS XE 16.8.1 |

C3650

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|----------------|
| WS-C3650-12X48UZ | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.3.3SE | IOS XE 3.3.3SE |
| WS-C3650-24TD | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.3.3SE | IOS XE 3.3.3SE |
| WS-C3650-48TD | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.3.3SE | IOS XE 3.3.3SE |
| WS-C3650-24PD | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.3.3SE | IOS XE 3.3.3SE |
| WS-C3650-24PD | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 16.1.1 | IOS 16.1.1 |
| WS-C3650-24PDM | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.3.3SE | IOS XE 3.3.3SE |
| WS-C3650-48PD | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.3.3SE | IOS XE 3.3.3SE |
| WS-C3650-48PD | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 16.1.1 | IOS 16.1.1 |
| WS-C3650-48FD | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.3.3SE | IOS XE 3.3.3SE |
| WS-C3650-48PQ | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.3.3SE | IOS XE 3.3.3SE |
| WS-C3650-48PQ | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 16.1.1 | IOS 16.1.1 |
| WS-C3650-48TQ | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.3.3SE | IOS XE 3.3.3SE |
| WS-C3650-48TQ | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 16.1.1 | IOS 16.1.1 |
| WS-C3650-8X24PD | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.2.1 | IOS XE 16.2.1 |

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|----------------|
| WS-C3650-8X24UQ | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.3.3SE | IOS XE 3.3.3SE |
| WS-C3650-12X48UQ | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.3.3SE | IOS XE 3.3.3SE |
| WS-C3650-12X48UR | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.3.3SE | IOS XE 3.3.3SE |
| WS-C3650-48FQM | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.3.3SE | IOS XE 3.3.3SE |
| WS-C3650-48FQ | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.3.3SE | IOS XE 3.3.3SE |

N5000

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|-------------|
| N5K-C5672UP-16G | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 7.3(2)N1(1) | |
| Network Device Notes for above line : • On only 16x UP ports | | | | | | | | | | | | | |
| N5K-C5672UP | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 7.3(2)N1(1) | |
| Network Device Notes for above line : • On only 16x UP ports | | | | | | | | | | | | | |
| N5696-M20UP | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 7.0(4)N1(1) | |

N7700

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|--|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|-------------------|
| N77-M324FQ-25L | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 8.2(1) | NX-OS 8.2(1) |
| Network Device Notes for above line : • QSFP Ports, QSA (CVR-QSFP-SFP10G) min V02 required. To bring up the link with CVR-QSFP-SFP10G adapter in a M3/F4 100G module, you need to perform the 4X10G breakout configuration on the interface. In older release versions with CVR-QSFP-SFP10G, the adapter link remains down. After ISSU to Cisco NX-OS Release 8.4(2) the link will still remain down. Perform OIR to bring up the link. | | | | | | | | | | | | | |
| N77-F324FQ-25 | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 8.2(1) | NX-OS 8.2(1) |
| N77-M312CQ-26L | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 8.4(2) | NX-OS 8.4(2) |
| Network Device Notes for above line : • QSFP Ports, QSA (CVR-QSFP-SFP10G) min V02 required. To bring up the link with CVR-QSFP-SFP10G adapter in a M3/F4 100G module, you need to perform the 4X10G breakout configuration on the interface. In older release versions with CVR-QSFP-SFP10G, the adapter link remains down. After ISSU to Cisco NX-OS Release 8.4(2) the link will still remain down. Perform OIR to bring up the link. | | | | | | | | | | | | | |
| N77-F348XP-23 | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 6.2(6) | NX-OS 6.2(6) |
| N77-M348XP-23L | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 7.3(0)DX(1) | NX-OS 7.3(0)DX(1) |
| N77-F430CQ-36 | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 8.4(2) | NX-OS 8.4(2) |
| Network Device Notes for above line : • QSFP Ports, QSA (CVR-QSFP-SFP10G) min V02 required. To bring up the link with CVR-QSFP-SFP10G adapter in a M3/F4 100G module, you need to perform the 4X10G breakout configuration on the interface. In older release versions with CVR-QSFP-SFP10G, the adapter link remains down. After ISSU to Cisco NX-OS Release 8.4(2) the link will still remain down. Perform OIR to bring up the link. | | | | | | | | | | | | | |

C8500

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|---------------|
| C8500-12X4QC | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.3.2 | IOS XE 17.3.2 |

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|----------------|
| C8500-12X | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.3.2 | IOS XE 17.3.2 |
| C8500-20X6C | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.10.1 | IOS XE 17.10.1 |

C3850

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|----------------|
| WS-C3850-48F | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.3.3SE | IOS XE 3.3.3SE |

Network Device Notes for above line :

- With C3850-NM-2-10G or C3850-NM-4-10G uplink modules

| | | | | | | | | | | | | | |
|---------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|----------------|----------------|
| WS-C3850-48XS | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.7.2 | IOS XE 3.7.2 |
| WS-C3850-48XS | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.2.1 | IOS XE 16.2.1 |
| WS-C3850-48T | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.3.3SE | IOS XE 3.3.3SE |

Network Device Notes for above line :

- With C3850-NM-2-10G or C3850-NM-4-10G uplink modules

| | | | | | | | | | | | | | |
|--------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|----------------|----------------|
| WS-C3850-48P | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.3.3SE | IOS XE 3.3.3SE |
|--------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|----------------|----------------|

Network Device Notes for above line :

- With C3850-NM-2-10G or C3850-NM-4-10G uplink modules

| | | | | | | | | | | | | | |
|--------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|----------------|----------------|
| WS-C3850-24P | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.3.3SE | IOS XE 3.3.3SE |
|--------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|----------------|----------------|

Network Device Notes for above line :

- With C3850-NM-2-10G or C3850-NM-4-10G uplink modules

| | | | | | | | | | | | | | |
|--------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|----------------|----------------|
| WS-C3850-24T | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.3.3SE | IOS XE 3.3.3SE |
|--------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|----------------|----------------|

Network Device Notes for above line :

- With C3850-NM-2-10G or C3850-NM-4-10G uplink modules

| | | | | | | | | | | | | | |
|--------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|----------------|----------------|
| WS-C3850-12S | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.3.3SE | IOS XE 3.3.3SE |
|--------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|----------------|----------------|

Network Device Notes for above line :

- With C3850-NM-2-10G or C3850-NM-4-10G or C3850-NM-8-10G uplink modules

| | | | | | | | | | | | | | |
|--------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|----------------|----------------|
| WS-C3850-24S | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.3.3SE | IOS XE 3.3.3SE |
|--------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|----------------|----------------|

Network Device Notes for above line :

- With C3850-NM-2-10G or C3850-NM-4-10G or C3850-NM-8-10G uplink modules

| | | | | | | | | | | | | | |
|---------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|---------------|---------------|
| WS-C3850-12XS | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.7.1E | IOS XE 3.7.1E |
|---------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|---------------|---------------|

Network Device Notes for above line :

- With C3850-NM-4-10G network module

| | | | | | | | | | | | | | |
|---------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|---------------|---------------|
| WS-C3850-12XS | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.1.1 | IOS XE 16.1.1 |
| WS-C3850-16XS | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.7.1E | IOS XE 3.7.1E |

Network Device Notes for above line :

- With C3850-NM-8-10G uplink modules

| | | | | | | | | | | | | | |
|---------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|---------------|---------------|
| WS-C3850-24XS | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.7.1E | IOS XE 3.7.1E |
|---------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|---------------|---------------|

Network Device Notes for above line :

- With C3850-NM-8-10G uplink modules

| | | | | | | | | | | | | | |
|---------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|---------------|---------------|
| WS-C3850-24XS | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.1.1 | IOS XE 16.1.1 |
| WS-C3850-32XS | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.7.1E | IOS XE 3.7.1E |

Network Device Notes for above line :

- With C3850-NM-8-10G uplink modules

| | | | | | | | | | | | | | |
|----------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|---------------|---------------|
| C3850-NM-2-10G | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.6.1 | IOS XE 16.6.1 |
|----------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|---------------|---------------|

Network Device Notes for above line :

- Uplink module for C9300- 24T/48T/24P/48P/24U/48U/24UX/48UXM/48UN with minimum software of IOS XE 16.6.1.

| | | | | | | | | | | | | | |
|----------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|---------------|---------------|
| C3850-NM-4-10G | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.6.1 | IOS XE 16.6.1 |
|----------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|---------------|---------------|

Network Device Notes for above line :

- Uplink module for C9300- 24T/48T/24P/48P/24U/48U/24UX/48UXM/48UN with minimum software of IOS XE 16.6.1.

| | | | | | | | | | | | | | |
|----------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|---------------|---------------|
| C3850-NM-8-10G | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.6.1 | IOS XE 16.6.1 |
|----------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|---------------|---------------|

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|------------|-------|----------------|------------------|-----------|-------------|----------------------|-------------|
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|------------|-------|----------------|------------------|-----------|-------------|----------------------|-------------|

Network Device Notes for above line :

- Uplink module for C9300- 24T/48T/24P/48P/24U/48U/24UX/48UXM/48UN with minimum software of IOS XE 16.6.1.

C6800

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|----------------|
| C6800-32P10G-XL | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(1)SY | IOS 15.2(1)SY |
| C6800-16P10G-XL | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(1)SY | IOS 15.2(1)SY |
| C6800-8P10G-XL | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(1)SY | IOS 15.2(1)SY |
| C6800-32P10G | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(1)SY | IOS 15.2(1)SY |
| C6800-16P10G | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(1)SY | IOS 15.2(1)SY |
| C6800-8P10G | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(1)SY | IOS 15.2(1)SY |
| C6800-SUP6T | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.3(1)SY | IOS 15.3(1)SY |
| C6800-SUP6T-XL | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.3(1)SY | IOS 15.3(1)SY |
| C6824-X-LE-40G | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(2)SY | IOS 15.2(2)SY |
| C6840-X-LE-40G | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(2)SY | IOS 15.2(2)SY |
| C6816-X-LE | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(2)SY | IOS 15.2(2)SY |
| C6832-X-LE | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(2)SY | IOS 15.2(2)SY |
| C6880-X | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.1(2)SY1 | IOS 15.1(2)SY1 |
| C6880-X-LE | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.1(2)SY1 | IOS 15.1(2)SY1 |

C4500

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|-------------|
| WS-X45-SUP9-E | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.10 | IOS XE 3.10 |
| WS-X4712-SFP+E | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 3.5.0E | IOS 3.5.0E |
| WS-X45-SUP7-E | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 3.5.0E | IOS 3.5.0E |
| WS-X45-SUP7L-E | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 3.5.0E | IOS 3.5.0E |
| WS-X45-SUP8-E | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 3.6.0E | IOS 3.6.0E |

C9200CX

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|---------------|
| C9200CX-8P-2X2G | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.9.1 | IOS XE 17.9.1 |
| C9200CX-12P-2X2G | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.9.1 | IOS XE 17.9.1 |

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|---------------|
| C9200CX-12T-2X2G | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.9.1 | IOS XE 17.9.1 |
| C9200CX-8UXG-2X | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.9.4 | IOS XE 17.9.4 |
| C9200CX-8UXG-2XH | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.9.4 | IOS XE 17.9.4 |

IE9300

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|---|-------------|
| IE-9320-22S2C4X-E | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | Please see datasheet and release notes for minimum software release information . | |

Network Device Notes for above line :

• 10G uplink SFP+ fiber ports support 1Gb/s and 10Gb/s data rates. When using nonindustrial rated transceivers, the hardened platform operating temperature range is de-rated. Please refer to the Cisco IE Datasheet or Hardware Installation Guide to calculate switch operating temperature ranges when nonindustrial SFPs are deployed.

| | | | | | | | | | | | | | |
|-------------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|---|--|
| IE-9320-22S2C4X-A | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | Please see datasheet and release notes for minimum software release information . | |
|-------------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|---|--|

Network Device Notes for above line :

• 10G uplink SFP+ fiber ports support 1Gb/s and 10Gb/s data rates. When using nonindustrial rated transceivers, the hardened platform operating temperature range is de-rated. Please refer to the Cisco IE Datasheet or Hardware Installation Guide to calculate switch operating temperature ranges when nonindustrial SFPs are deployed.

| | | | | | | | | | | | | | |
|-----------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|---|--|
| IE-9320-24T4X-E | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | Please see datasheet and release notes for minimum software release information . | |
|-----------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|---|--|

Network Device Notes for above line :

• 10G uplink SFP+ fiber ports support 1Gb/s and 10Gb/s data rates. When using nonindustrial rated transceivers, the hardened platform operating temperature range is de-rated. Please refer to the Cisco IE Datasheet or Hardware Installation Guide to calculate switch operating temperature ranges when nonindustrial SFPs are deployed.

| | | | | | | | | | | | | | |
|-----------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|---|--|
| IE-9320-24T4X-A | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | Please see datasheet and release notes for minimum software release information . | |
|-----------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|---|--|

Network Device Notes for above line :

• 10G uplink SFP+ fiber ports support 1Gb/s and 10Gb/s data rates. When using nonindustrial rated transceivers, the hardened platform operating temperature range is de-rated. Please refer to the Cisco IE Datasheet or Hardware Installation Guide to calculate switch operating temperature ranges when nonindustrial SFPs are deployed.

| | | | | | | | | | | | | | |
|-----------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|---|--|
| IE-9320-24P4X-E | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | Please see datasheet and release notes for minimum software release information . | |
|-----------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|---|--|

Network Device Notes for above line :

• 10G uplink SFP+ fiber ports support 1Gb/s and 10Gb/s data rates. When using nonindustrial rated transceivers, the hardened platform operating temperature range is de-rated. Please refer to the Cisco IE Datasheet or Hardware Installation Guide to calculate switch operating temperature ranges when nonindustrial SFPs are deployed.

| | | | | | | | | | | | | | |
|-----------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|---|--|
| IE-9320-24P4X-A | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | Please see datasheet and release notes for minimum software release information . | |
|-----------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|---|--|

Network Device Notes for above line :

• 10G uplink SFP+ fiber ports support 1Gb/s and 10Gb/s data rates. When using nonindustrial rated transceivers, the hardened platform operating temperature range is de-rated. Please refer to the Cisco IE Datasheet or Hardware Installation Guide to calculate switch operating temperature ranges when nonindustrial SFPs are deployed.

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|---|-------------|
| IE-9320-16P8U4X-E | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | Please see datasheet and release notes for minimum software release information . | |

Network Device Notes for above line :
• 10G uplink SFP+ fiber ports support 1Gb/s and 10Gb/s data rates. When using nonindustrial rated transceivers, the hardened platform operating temperature range is de-rated. Please refer to the Cisco IE Datasheet or Hardware Installation Guide to calculate switch operating temperature ranges when nonindustrial SFPs are deployed.

| | | | | | | | | | | | | | |
|-------------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|---|--|
| IE-9320-16P8U4X-A | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | Please see datasheet and release notes for minimum software release information . | |
|-------------------|-------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|---|--|

Network Device Notes for above line :
• 10G uplink SFP+ fiber ports support 1Gb/s and 10Gb/s data rates. When using nonindustrial rated transceivers, the hardened platform operating temperature range is de-rated. Please refer to the Cisco IE Datasheet or Hardware Installation Guide to calculate switch operating temperature ranges when nonindustrial SFPs are deployed.

N3500

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|-------------------|
| N3K-C3524P-10G | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 6.0(2)A1(1) | NX-OS 6.0(2)A1(1) |
| N3K-C3548P-10G | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 6.0(2)A1(1) | NX-OS 6.0(2)A1(1) |
| N3K-C3524P-10GX | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 6.0(2)A6(1) | NX-OS 6.0(2)A6(1) |
| N3K-C3548P-10GX | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 6.0(2)A6(1) | NX-OS 6.0(2)A6(1) |
| N3K-C3548P-XL | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 7.0(3)I7(3) | NX-OS 7.0(3)I7(3) |
| N3K-C3524P-XL | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 7.0(3)I7(3) | NX-OS 7.0(3)I7(3) |

C9400

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|----------------|
| C9400-SUP-1 | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.6.1 | IOS XE 16.6.1 |
| C9400-SUP-1XL | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.6.2 | IOS XE 16.6.2 |
| C9400-LC-24XS | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.6.2 | IOS XE 16.6.2 |
| C9400-SUP-1XL-Y | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.9.1 | IOS XE 16.9.1 |
| C9400-LC-48XS | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.8.1 | IOS XE 17.8.1 |
| C9400-LC-24XY | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.12.1 | IOS XE 17.12.1 |
| C9400-LC-12QC | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.12.1 | IOS XE 17.12.1 |

Network Device Notes for above line :
• For QSFP ports, QSA28 (CVR-QSFP28-SFP25G) required.

C9200

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|----------------|
| C9200-NM-4X | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.10.1 | IOS XE 16.10.1 |
| Network Device Notes for above line : • Uplink module for C9200-24P/48P/24T/48T | | | | | | | | | | | | | |
| C9200-NM-4X | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.12.2 | IOS XE 16.12.2 |
| Network Device Notes for above line : • Uplink module for C9200-24PXG; C9200-48PXG | | | | | | | | | | | | | |
| C9200-NM-4X | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.3.1 | IOS XE 17.3.1 |
| Network Device Notes for above line : • Uplink module for C9200-48PL | | | | | | | | | | | | | |

C3560CX

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|--------------|
| WS-C3560CX-12PD-S | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(3)E | IOS 15.2(3)E |
| WS-C3560CX-8XPD-S | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(3)E | IOS 15.2(3)E |

ME3800X

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|--------------|
| ME-3800X-24FS-M | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(4)S | IOS 15.2(4)S |
| Network Device Notes for above line : • SFP+ ports | | | | | | | | | | | | | |

C2960X

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|---------------|
| C2960X-HYBRID-STK | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(6)E | IOS 15.2(6)E |
| C2960X-HYBRID-STK | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 3.10.0E | IOS 3.10.0E |
| C2960X-FIBER-STK | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(6)E | IOS 15.2(6)E |
| C2960X-FIBER-STK | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 3.10.0E | IOS 3.10.0E |
| WS-C2960X-24TD-L | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(2)E3 | IOS 15.2(2)E3 |
| WS-C2960X-24PD-L | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(2)E3 | IOS 15.2(2)E3 |
| WS-C2960X-48TD-L | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(2)E3 | IOS 15.2(2)E3 |
| WS-C2960X-48LPD-L | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(2)E3 | IOS 15.2(2)E3 |
| WS-C2960X-48FPD-L | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(2)E3 | IOS 15.2(2)E3 |

C3560X

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|--|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|--------------|
| WS-C3560X-24T | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(1)E | IOS 15.2(1)E |
| Network Device Notes for above line : • With network modules C3KX-SM-10G (support either 1-Gigabit SFP or 10-Gigabit SFP+ modules) and C3KX-NM-10G (Slots 1, 2, 3, and 4 with 1-Gigabit SFP modules; Slots 1 and 2 with 1-Gigabit SFP modules and Slot 4 with one 10-Gigabit SFP+ module; Slot 2 with one 10-Gigabit SFP+ module and Slots 3 and 4 with 1-Gigabit SFP modules; Slot 2 and Slot 4 each with 10-Gigabit SFP+ modules) | | | | | | | | | | | | | |
| WS-C3560X-48T | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(1)E | IOS 15.2(1)E |
| Network Device Notes for above line : • With network modules C3KX-SM-10G (support either 1-Gigabit SFP or 10-Gigabit SFP+ modules) and C3KX-NM-10G (Slots 1, 2, 3, and 4 with 1-Gigabit SFP modules; Slots 1 and 2 with 1-Gigabit SFP modules and Slot 4 with one 10-Gigabit SFP+ module; Slot 2 with one 10-Gigabit SFP+ module and Slots 3 and 4 with 1-Gigabit SFP modules; Slot 2 and Slot 4 each with 10-Gigabit SFP+ modules) | | | | | | | | | | | | | |
| WS-C3560X-24P | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(1)E | IOS 15.2(1)E |
| Network Device Notes for above line : • With network modules C3KX-SM-10G (support either 1-Gigabit SFP or 10-Gigabit SFP+ modules) and C3KX-NM-10G (Slots 1, 2, 3, and 4 with 1-Gigabit SFP modules; Slots 1 and 2 with 1-Gigabit SFP modules and Slot 4 with one 10-Gigabit SFP+ module; Slot 2 with one 10-Gigabit SFP+ module and Slots 3 and 4 with 1-Gigabit SFP modules; Slot 2 and Slot 4 each with 10-Gigabit SFP+ modules) | | | | | | | | | | | | | |
| WS-C3560X-48P | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(1)E | IOS 15.2(1)E |
| Network Device Notes for above line : • With network modules C3KX-SM-10G (support either 1-Gigabit SFP or 10-Gigabit SFP+ modules) and C3KX-NM-10G (Slots 1, 2, 3, and 4 with 1-Gigabit SFP modules; Slots 1 and 2 with 1-Gigabit SFP modules and Slot 4 with one 10-Gigabit SFP+ module; Slot 2 with one 10-Gigabit SFP+ module and Slots 3 and 4 with 1-Gigabit SFP modules; Slot 2 and Slot 4 each with 10-Gigabit SFP+ modules) | | | | | | | | | | | | | |
| WS-C3560X-48PF | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(1)E | IOS 15.2(1)E |
| Network Device Notes for above line : • With network modules C3KX-SM-10G (support either 1-Gigabit SFP or 10-Gigabit SFP+ modules) and C3KX-NM-10G (Slots 1, 2, 3, and 4 with 1-Gigabit SFP modules; Slots 1 and 2 with 1-Gigabit SFP modules and Slot 4 with one 10-Gigabit SFP+ module; Slot 2 with one 10-Gigabit SFP+ module and Slots 3 and 4 with 1-Gigabit SFP modules; Slot 2 and Slot 4 each with 10-Gigabit SFP+ modules) | | | | | | | | | | | | | |

C9800

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|---|-------------|
| C9800-40-K9 | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | Please see release notes for minimum software release information . | |
| C9800-80-K9 | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | Please see release notes for minimum software release information . | |
| C9800-10X10GE | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | Please see release notes for minimum software release information . | |

C9600

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|----------------|
| C9600-LC-48YL | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.11.1 | IOS XE 16.11.1 |
| Network Device Notes for above line : • When in use with C9600-SUP-1. | | | | | | | | | | | | | |
| C9600-LC-48YL | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.7.1 | IOS XE 17.7.1 |

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|--|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|----------------|
| Network Device Notes for above line : • When in use with C9600X-SUP-2. | | | | | | | | | | | | | |
| C9600-LC-24C | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.11.1 | IOS XE 16.11.1 |
| Network Device Notes for above line : • When in use with C9600-SUP-1. | | | | | | | | | | | | | |
| C9600-LC-24C | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.7.1 | IOS XE 17.7.1 |
| Network Device Notes for above line : • When in use with C9600X-SUP-2. | | | | | | | | | | | | | |
| C9600-LC-40YL4CD | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.7.1 | IOS XE 17.7.1 |
| Network Device Notes for above line : • When in use with C9600X-SUP-2. QSA (CVR-QSFP-SFP10G) supported from IOS XE 17.11.1 required for use in QSFP ports | | | | | | | | | | | | | |
| C9600-LC-40YL4CD | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.8.1 | IOS XE 17.8.1 |
| Network Device Notes for above line : • When in use with C9600-SUP-1. | | | | | | | | | | | | | |
| C9600X-LC-32CD | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.11.1 | IOS XE 17.11.1 |
| Network Device Notes for above line : • When in use with C9600X-SUP-2. For QSFP ports, QSA (CVR-QSFP-SFP10G) is required. | | | | | | | | | | | | | |
| C9600X-LC-56YL4C | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.13.1 | IOS XE 17.13.1 |
| Network Device Notes for above line : • When in use with C9600X-SUP-2. | | | | | | | | | | | | | |

C9400X

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|---------------|
| C9400X-SUP-2 | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.7.1 | IOS XE 17.7.1 |
| C9400X-SUP-2XL | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.7.1 | IOS XE 17.7.1 |

C3750X

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|--|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|--------------|
| WS-C3750X-24T | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(1)E | IOS 15.2(1)E |
| Network Device Notes for above line : • With network modules C3KX-SM-10G (support either 1-Gigabit SFP or 10-Gigabit SFP+ modules) and C3KX-NM-10G (Slots 1, 2, 3, and 4 with 1-Gigabit SFP modules; Slots 1 and 2 with 1-Gigabit SFP modules and Slot 4 with one 10-Gigabit SFP+ module; Slot 2 with one 10-Gigabit SFP+ module and Slots 3 and 4 with 1-Gigabit SFP modules; Slot 2 and Slot 4 each with 10-Gigabit SFP+ modules) | | | | | | | | | | | | | |
| WS-C3750X-48T | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(1)E | IOS 15.2(1)E |
| Network Device Notes for above line : • With network modules C3KX-SM-10G (support either 1-Gigabit SFP or 10-Gigabit SFP+ modules) and C3KX-NM-10G (Slots 1, 2, 3, and 4 with 1-Gigabit SFP modules; Slots 1 and 2 with 1-Gigabit SFP modules and Slot 4 with one 10-Gigabit SFP+ module; Slot 2 with one 10-Gigabit SFP+ module and Slots 3 and 4 with 1-Gigabit SFP modules; Slot 2 and Slot 4 each with 10-Gigabit SFP+ modules) | | | | | | | | | | | | | |
| WS-C3750X-24P | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(1)E | IOS 15.2(1)E |
| Network Device Notes for above line : • With network modules C3KX-SM-10G (support either 1-Gigabit SFP or 10-Gigabit SFP+ modules) and C3KX-NM-10G (Slots 1, 2, 3, and 4 with 1-Gigabit SFP modules; Slots 1 and 2 with 1-Gigabit SFP modules and Slot 4 with one 10-Gigabit SFP+ module; Slot 2 with one 10-Gigabit SFP+ module and Slots 3 and 4 with 1-Gigabit SFP modules; Slot 2 and Slot 4 each with 10-Gigabit SFP+ modules) | | | | | | | | | | | | | |
| WS-C3750X-48P | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(1)E | IOS 15.2(1)E |
| Network Device Notes for above line : • With network modules C3KX-SM-10G (support either 1-Gigabit SFP or 10-Gigabit SFP+ modules) and C3KX-NM-10G (Slots 1, 2, 3, and 4 with 1-Gigabit SFP modules; Slots 1 and 2 with 1-Gigabit SFP modules and Slot 4 with one 10-Gigabit SFP+ module; Slot 2 with one 10-Gigabit SFP+ module and Slots 3 and 4 with 1-Gigabit SFP modules; Slot 2 and Slot 4 each with 10-Gigabit SFP+ modules) | | | | | | | | | | | | | |
| WS-C3750X-48PF | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(1)E | IOS 15.2(1)E |

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|--------------|
| Network Device Notes for above line : • With network modules C3KX-SM-10G (support either 1-Gigabit SFP or 10-Gigabit SFP+ modules) and C3KX-NM-10G (Slots 1, 2, 3, and 4 with 1-Gigabit SFP modules; Slots 1 and 2 with 1-Gigabit SFP modules and Slot 4 with one 10-Gigabit SFP+ module; Slot 2 with one 10-Gigabit SFP+ module and Slots 3 and 4 with 1-Gigabit SFP modules; Slot 2 and Slot 4 each with 10-Gigabit SFP+ modules) | | | | | | | | | | | | | |
| WS-C3750X-12S | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(1)E | IOS 15.2(1)E |
| Network Device Notes for above line : • With network modules C3KX-SM-10G (support either 1-Gigabit SFP or 10-Gigabit SFP+ modules) and C3KX-NM-10G (Slots 1, 2, 3, and 4 with 1-Gigabit SFP modules; Slots 1 and 2 with 1-Gigabit SFP modules and Slot 4 with one 10-Gigabit SFP+ module; Slot 2 with one 10-Gigabit SFP+ module and Slots 3 and 4 with 1-Gigabit SFP modules; Slot 2 and Slot 4 each with 10-Gigabit SFP+ modules) | | | | | | | | | | | | | |
| WS-C3750X-24S | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(1)E | IOS 15.2(1)E |
| Network Device Notes for above line : • With network modules C3KX-SM-10G (support either 1-Gigabit SFP or 10-Gigabit SFP+ modules) and C3KX-NM-10G (Slots 1, 2, 3, and 4 with 1-Gigabit SFP modules; Slots 1 and 2 with 1-Gigabit SFP modules and Slot 4 with one 10-Gigabit SFP+ module; Slot 2 with one 10-Gigabit SFP+ module and Slots 3 and 4 with 1-Gigabit SFP modules; Slot 2 and Slot 4 each with 10-Gigabit SFP+ modules) | | | | | | | | | | | | | |

N6000

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|-------------|
| N6004X-M20UP | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 7.0(1)N1(1) | |

C9300LM

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|---------------|
| C9300LM-24U-4Y | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.9.1 | IOS XE 17.9.1 |
| C9300LM-48U-4Y | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.9.1 | IOS XE 17.9.1 |
| C9300LM-48UX-4Y | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.9.1 | IOS XE 17.9.1 |
| C9300LM-48T-4Y | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.9.1 | IOS XE 17.9.1 |

ASR920

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|----------------|
| ASR-920-10SZ | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.13 | IOS XE 3.13 |
| ASR-920-12CZ | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.13 | IOS XE 3.13 |
| ASR-920-12SZ-IM | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.13 | IOS XE 3.13 |
| ASR-920-24SZ-M | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.14 | IOS XE 3.14 |
| ASR-920-24SZ-IM | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.14 | IOS XE 3.14 |
| ASR-920-4SZ | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.13 | IOS XE 3.13 |
| ASR-920-24TZ-M | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.14 | IOS XE 3.14 |
| ASR-920-12SZ | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.9.1 | IOS XE 16.9.1 |
| ASR-920-20SZ-M | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.11.1 | IOS XE 16.11.1 |
| ASR-920-10SZ-PD | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.13 | IOS XE 3.13 |
| ASR-920-8S4Z-PD | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.13 | IOS XE 3.13 |

NCS5500

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|--------------|
| NC55-36X100G | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 6.3.2 | IOS XR 6.3.2 |
| Network Device Notes for above line : • QSFP Ports, QSA (CVR-QSFP-SFP10G) required | | | | | | | | | | | | | |
| NC55-24X100G-SE | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 6.2.2 | IOS XR 6.2.2 |
| Network Device Notes for above line : • QSFP Ports, QSA (CVR-QSFP-SFP10G) required | | | | | | | | | | | | | |
| NC55-24H12F-SE | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 6.2.2 | IOS XR 6.2.2 |
| Network Device Notes for above line : • QSFP Ports, QSA (CVR-QSFP-SFP10G) required | | | | | | | | | | | | | |
| NC55-36X100G-A-SE | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 6.3.2 | IOS XR 6.3.2 |
| Network Device Notes for above line : • QSFP Ports, QSA (CVR-QSFP-SFP10G) required | | | | | | | | | | | | | |
| NCS-5501-SE | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 6.2.2 | IOS XR 6.2.2 |
| Network Device Notes for above line : • Supported on ports 16 to 39 only. | | | | | | | | | | | | | |
| NCS-5502 | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.6.1 | IOS XR 7.6.1 |
| Network Device Notes for above line : • For QSFP Ports, QSA (CVR-QSFP-SFP10G) required | | | | | | | | | | | | | |
| NCS-5502-SE | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.6.1 | IOS XR 7.6.1 |
| Network Device Notes for above line : • For QSFP Ports, QSA (CVR-QSFP-SFP10G) required | | | | | | | | | | | | | |
| NC55-MPA-12T-S | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 6.5.1 | IOS XR 6.5.1 |
| NC57-MOD-S | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.6.1 | IOS XR 7.6.1 |
| NCS-57C1-48Q6-SYS | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.5.2 | IOS XR 7.5.2 |
| NCS-57C1-48Q6D-S | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.5.2 | IOS XR 7.5.2 |

C2960S

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|--------------|
| WS-C2960S-48FPD-L | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(1)E | IOS 15.2(1)E |
| WS-C2960S-48LPD-L | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(1)E | IOS 15.2(1)E |
| WS-C2960S-24PD-L | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(1)E | IOS 15.2(1)E |
| WS-C2960S-48TD-L | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(1)E | IOS 15.2(1)E |
| WS-C2960S-24TD-L | DWDM-SFP10G-XX.XX | TMG | 10 Gbps | SFP+ | 80km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.2(1)E | IOS 15.2(1)E |