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 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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(3)   | ACI-N9KDK9-14.2(3) |
| Network Device Notes for above line :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 |
| <b>Network Device Notes for above line :</b><br>• 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 |
| <b>Network Device Notes for above line :</b><br>• 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 |
| <b>Network Device Notes for above line :</b><br>• 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 |
| <b>Network Device Notes for above line :</b><br>• 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 |
| <b>Network Device Notes for above line :</b><br>• 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 |
| <b>Network Device Notes for above line :</b><br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 :<br>• 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 |