

Cisco CWDM-SFP10G-1510 Compatibility Matrix Datasheet



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Compatible Devices:

C9400
C9500
N5000
N7000
NCS5000
NCS5500
C6800
N9300
N3000
C9300
N9500
N9200
ASR9000
ASR1000
ASR903
ASR920
NCS4200
C3850
C3650
NCS540
NCS560
C9200
C9200L
C9600
C9300L
IE3300
N7700
NCS520
C8500
C9300X
C9400X
C9200CX
C9300LM

C9400

IE9300

ESS3300

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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.12.2 | IOS XE 16.12.2 |

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-8CS1Z | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.2.2 | IOS XR 7.2.2 |
| A900-IMA-8Z-L | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.3.1 | IOS XR 7.3.1 |
| N560-IMA-8Q/4L | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.4.1 | IOS XR 7.4.1 |

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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 9.2.1 | NX-OS 9.2.1 |
| N9K-C92300YC | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 9.2.1 | NX-OS 9.2.1 |

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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 5.2.2 | IOS XR 5.2.2 |
| ASR-9001-S | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 5.2.2 | IOS XR 5.2.2 |
| ASR-9000V-AC | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 5.2.4 | IOS XR 5.2.4 |
| ASR-9000V-DC-A | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 5.2.4 | IOS XR 5.2.4 |
| ASR-9000V-DC-E | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 5.2.4 | IOS XR 5.2.4 |
| A9K-24X10GE-SE | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 5.2.2 | IOS XR 5.2.2 |
| A9K-24X10GE-TR | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 5.2.2 | IOS XR 5.2.2 |

| 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 |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|--------------|
| A9K-36X10GE-SE | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 5.2.0 | IOS XR 5.2.0 |
| A9K-36X10GE-TR | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 5.2.0 | IOS XR 5.2.0 |
| A9K-MPA-8X10GE | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 5.2.2 | IOS XR 5.2.2 |

Network Device Notes for above line :

• On MOD80 and MOD160.

| | | | | | | | | | | | | | |
|-------------------|------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|---------------------|---------------------|
| A9K-24X10GE-1G-SE | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 6.4.2 | IOS XR 6.4.2 |

Network Device Notes for above line :

• On MOD200 and MOD400.

| | | | | | | | | | | | | | |
|-----------------|------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|---------------------|---------------------|
| A9K-MPA-20X10GE | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 64 Bit 6.4.2 | IOS XR 64 Bit 6.4.2 |
|-----------------|------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|---------------------|---------------------|

Network Device Notes for above line :

• On MOD200 and MOD400.

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|-------------------|------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|---------------------|---------------------|
| A9K-400G-DWDM-TR | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 6.5.2 | IOS XR 6.5.2 |
| ASR-9901 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 64 Bit 7.0.1 | IOS XR 64 Bit 7.0.1 |
| A9903-8HG-PEC | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 64 Bit 7.4.1 | IOS XR 64 Bit 7.4.1 |
| A9903-8HG-PEC-FC | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 64 Bit 7.4.1 | IOS XR 64 Bit 7.4.1 |
| A99-48X10GE-1G-FC | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 5.2.2 | IOS XR 5.2.2 |

Network Device Notes for above line :

• On MOD80 and MOD160.

| | | | | | | | | | | | | | |
|--------------------|------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|--------------|--------------|
| A9K-MPA-20X10GE-FC | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 6.4.2 | IOS XR 6.4.2 |
|--------------------|------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|--------------|--------------|

Network Device Notes for above line :

• On MOD200 and MOD400.

| | | | | | | | | | | | | | |
|--------------------|------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|---------------------|---------------------|
| A9K-MPA-20X10GE-FC | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 64 Bit 6.4.2 | IOS XR 64 Bit 6.4.2 |
|--------------------|------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|---------------------|---------------------|

Network Device Notes for above line :

• On MOD200 and MOD400.

| | | | | | | | | | | | | | |
|-------------------|------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|---------------------|---------------------|
| ASR-9901-FC | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 64 Bit 7.0.1 | IOS XR 64 Bit 7.0.1 |
| A9K-48X10GE-1G-FC | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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-F348XP-25 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 8.0(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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 6.3.2 | IOS XR 6.3.2 |
| N540-ACC-SYS | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 6.3.2 | IOS XR 6.3.2 |
| N540X-ACC-SYS | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 6.3.2 | IOS XR 6.3.2 |
| N540X-16Z4G8Q2C-A | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.1.1 | IOS XR 7.1.1 |
| N540X-16Z4G8Q2C-D | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.1.1 | IOS XR 7.1.1 |
| N540-28Z4C-SYS-A | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.1.1 | IOS XR 7.1.1 |
| N540-28Z4C-SYS-D | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.1.1 | IOS XR 7.1.1 |
| N540X-12Z16G-SYS-A | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.1.1 | IOS XR 7.1.1 |
| N540X-12Z16G-SYS-D | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.1.1 | IOS XR 7.1.1 |
| N540-12Z20G-SYS-A | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.1.1 | IOS XR 7.1.1 |
| N540-12Z20G-SYS-D | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.1.1 | IOS XR 7.1.1 |
| N540X-8Z16G-SYS-A | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.3.1 | IOS XR 7.3.1 |
| N540X-8Z16G-SYS-D | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.3.1 | IOS XR 7.3.1 |
| N540X-6Z18G-SYS-A | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.3.1 | IOS XR 7.3.1 |
| N540X-6Z18G-SYS-D | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.3.1 | IOS XR 7.3.1 |
| N540-FH-CSR-SYS | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.6.1 | IOS XR 7.6.1 |
| N540X-4Z14G2Q-A | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.4.1 | IOS XR 7.4.1 |
| N540X-4Z14G2Q-D | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.4.1 | IOS XR 7.4.1 |
| N540-24Q8L2DD-SYS | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.4.1 | IOS XR 7.4.1 |
| N540-FH-AGG-SYS | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.7.1 | IOS XR 7.7.1 |
| N540-6Z18G-SYS-A | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.8.1 | IOS XR 7.8.1 |
| N540-6Z18G-SYS-D | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.8.1 | IOS XR 7.8.1 |
| N540-6Z14S-SYS-D | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.5.2 | IOS XR 7.5.2 |
| N540X-16Z8Q2C-D | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.5.2 | IOS XR 7.5.2 |

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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.8.1 | IOS XE 16.8.1 |
| N520-20G4Z | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.8.1 | IOS XE 16.8.1 |

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-C36180YC-R | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 9.3(3) | NX-OS 9.3(3) |
| N3K-C34180YC | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 : • SFP Ports (1-48) | | | | | | | | | | | | | |
| N3K-C34200YC-SM | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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). | | | | | | | | | | | | | |

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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.7.0E | IOS XE 3.7.0E |
| WS-C3650-24TD | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.7.0E | IOS XE 3.7.0E |
| WS-C3650-48TD | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.7.0E | IOS XE 3.7.0E |
| WS-C3650-24PD | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.7.0E | IOS XE 3.7.0E |
| WS-C3650-24PD | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 16.1.1 | IOS 16.1.1 |
| WS-C3650-24PDM | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.7.0E | IOS XE 3.7.0E |
| WS-C3650-48PD | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.7.0E | IOS XE 3.7.0E |
| WS-C3650-48PD | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 16.1.1 | IOS 16.1.1 |
| WS-C3650-48FD | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.7.0E | IOS XE 3.7.0E |
| WS-C3650-48PQ | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.7.0E | IOS XE 3.7.0E |
| WS-C3650-48PQ | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 16.1.1 | IOS 16.1.1 |
| WS-C3650-48TQ | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.7.0E | IOS XE 3.7.0E |
| WS-C3650-48TQ | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 16.1.1 | IOS 16.1.1 |
| WS-C3650-8X24PD | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.2.1 | IOS XE 16.2.1 |
| WS-C3650-8X24UQ | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.7.0E | IOS XE 3.7.0E |
| WS-C3650-12X48UQ | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.7.0E | IOS XE 3.7.0E |
| WS-C3650-12X48UR | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.7.0E | IOS XE 3.7.0E |
| WS-C3650-48FQM | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.7.0E | IOS XE 3.7.0E |
| WS-C3650-48FQ | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.7.0E | IOS XE 3.7.0E |

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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 7.3(2)N1(1) | |
| N5K-C5672UP | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 7.3(2)N1(1) | |

IE3300

| 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-3300-8T2X-E | CWDM-SFP10G-1470 | TMG | 10 Gbps | SFP+ | 40km | 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 : • 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-3300-8U2X-A | CWDM-SFP10G-1470 | TMG | 10 Gbps | SFP+ | 40km | 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 : • 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-3300-8U2X-E | CWDM-SFP10G-1470 | TMG | 10 Gbps | SFP+ | 40km | 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 : • 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-3300-8U2X-A | CWDM-SFP10G-1470 | TMG | 10 Gbps | SFP+ | 40km | 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 : • 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. | | | | | | | | | | | | | |

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-F348XP-23 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 8.0(1) | NX-OS 8.0(1) |
| N77-M348XP-23L | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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) |

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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.3.2 | IOS XE 17.3.2 |
| C8500-12X | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.3.2 | IOS XE 17.3.2 |
| C8500-20X6C | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.3.2 | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.7.0 | IOS XE 3.7.0 |
| Network Device Notes for above line : • With C3850-NM-2-10G or C3850-NM-4-10G uplink modules | | | | | | | | | | | | | |
| WS-C3850-48XS | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.2.1 | IOS XE 16.2.1 |
| Network Device Notes for above line : • For QSFP Ports, QSA (CVR-QSFP-SFP10G) required. | | | | | | | | | | | | | |
| WS-C3850-48T | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.7.0 | IOS XE 3.7.0 |
| Network Device Notes for above line : • With C3850-NM-2-10G or C3850-NM-4-10G uplink modules | | | | | | | | | | | | | |
| WS-C3850-48P | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.7.0 | IOS XE 3.7.0 |
| Network Device Notes for above line : • With C3850-NM-2-10G or C3850-NM-4-10G uplink modules | | | | | | | | | | | | | |
| WS-C3850-24P | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.7.0 | IOS XE 3.7.0 |
| Network Device Notes for above line : • With C3850-NM-2-10G or C3850-NM-4-10G uplink modules | | | | | | | | | | | | | |
| WS-C3850-24T | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.7.0 | IOS XE 3.7.0 |
| Network Device Notes for above line : • With C3850-NM-2-10G or C3850-NM-4-10G uplink modules | | | | | | | | | | | | | |
| WS-C3850-12S | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.7.0 | IOS XE 3.7.0 |
| 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.7.0 | IOS XE 3.7.0 |
| 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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. | | | | | | | | | | | | | |

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 | CWDM-SFP10G-1530 | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.3(1)SY | |
| C6800-16P10G-XL | CWDM-SFP10G-1530 | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.3(1)SY | |
| C6800-8P10G-XL | CWDM-SFP10G-1530 | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.3(1)SY | |
| C6800-32P10G | CWDM-SFP10G-1530 | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.3(1)SY | |
| C6800-16P10G | CWDM-SFP10G-1530 | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.3(1)SY | |
| C6800-8P10G | CWDM-SFP10G-1530 | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.3(1)SY | |
| C6800-SUP6T | CWDM-SFP10G-1530 | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.3(1)SY | |
| C6800-SUP6T-XL | CWDM-SFP10G-1530 | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.3(1)SY | |
| C6824-X-LE-40G | CWDM-SFP10G-1530 | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.3(1)SY | |
| C6840-X-LE-40G | CWDM-SFP10G-1530 | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.3(1)SY | |
| C6816-X-LE | CWDM-SFP10G-1530 | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.3(1)SY | |
| C6832-X-LE | CWDM-SFP10G-1530 | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.3(1)SY | |
| C6880-X-LE | CWDM-SFP10G-1530 | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 15.3(1)SY | |

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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | ACI-N9KDK9-11.3(2) | ACI-N9KDK9-13.0(1) |
| Network Device Notes for above line : • a) SFP Ports (1-48). ___ b) QSFP Ports (49-54), QSA (CVR-QSFP-SFP10G) required, Min SW Release ACI-N9KDK9-12.1(1). | | | | | | | | | | | | | |
| N9K-C93180YC-EX | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 : • SFP Ports (1-48). | | | | | | | | | | | | | |
| N9K-C93180YC-FX | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | ACI-N9KDK9-12.2(2) | ACI-N9KDK9-13.0(1) |
| Network Device Notes for above line : • a) SFP Ports (1-48). ___ b) QSFP Ports (49-54), QSA (CVR-QSFP-SFP10G) required. ___ c) QSP Ports (49 - 52) supports 40G breakout, Min SW Release ACI-N9KDK9-13.2(1). | | | | | | | | | | | | | |
| N9K-C93180YC-FX | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 : • SFP Ports (1-48) | | | | | | | | | | | | | |
| N9K-C9348GC-FXP | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | ACI-N9KDK9-13.0(1) | ACI-N9KDK9-13.0(1) |
| Network Device Notes for above line : • a) SFP Ports (49-52). ___ b) QSFP Ports (53-54), QSA (CVR-QSFP-SFP10G) required, Min SW Release ACI-N9KDK9-13.1(2). | | | | | | | | | | | | | |
| N9K-C93240YC-FX2 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | ACI-N9KDK9-14.0(1) | ACI-N9KDK9-14.0(1) |
| Network Device Notes for above line : • a) SFP Ports (1-48). ___ b) QSFP Ports (49-60), QSA (CVR-QSFP-SFP10G) required. | | | | | | | | | | | | | |
| N9K-C93240YC-FX2 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 : • SFP Ports (1-48). | | | | | | | | | | | | | |
| N9K-C9372PX | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 7.0(3)I3.1 | — |
| Network Device Notes for above line : • SFP Ports (1-48) | | | | | | | | | | | | | |
| N9K-C9372PX-E | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 7.0(3)I3.1 | — |

| 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 : • SFP Ports (1-48) | | | | | | | | | | | | | |
| N9K-C9364C | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | ACI-N9KDK9-13.0(1) | ACI-N9KDK9-13.0(1) |
| Network Device Notes for above line : • a) QSFP Ports (1-64), QSA (CVR-QSFP-SFP10G) required. ___ b) SFP Ports (65-66). | | | | | | | | | | | | | |
| N9K-C9332C | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | ACI-N9KDK9-14.0(1) | ACI-N9KDK9-14.0(1) |
| Network Device Notes for above line : • a) QSFP Ports (1-32), QSA (CVR-QSFP-SFP10G) required. ___ b) SFP Ports (33-34). | | | | | | | | | | | | | |
| N9K-C9332C | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 9.2(3) | NX-OS 9.2(3) |
| Network Device Notes for above line : • SFP Ports (33-34) | | | | | | | | | | | | | |
| N9K-C93360YCFX2 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | ACI-N9KDK9-14.1(2) | ACI-N9KDK9-14.1(2) |
| Network Device Notes for above line : • a) SFP Ports (1-96). ___ b) QSFP Ports (97-108), QSA (CVR-QSFP-SFP10G) required. | | | | | | | | | | | | | |
| N9K-C93360YCFX2 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 9.3.1 | NX-OS 9.3.1 |
| Network Device Notes for above line : • SFP Ports (1-96). QSFP Ports (97-108): QSA (CVR-QSFP-SFP10G) required. | | | | | | | | | | | | | |
| N9K-C93600CDGX | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | ACI-N9KDK9-14.2(2) | ACI-N9KDK9-14.2(2) |
| Network Device Notes for above line : • For QSFP-DD and QSFP28 Ports, QSA (CVR-QSFP-SFP10G) required | | | | | | | | | | | | | |
| N9K-C9316D-GX | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | ACI-N9KDK9-14.2(2) | ACI-N9KDK9-14.2(2) |
| Network Device Notes for above line : • For QSFP-DD and QSFP28 Ports, QSA (CVR-QSFP-SFP10G) required | | | | | | | | | | | | | |
| N9K-C9364C-GX | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | ACI-N9KDK9-14.2(3I) | ACI-N9KDK9-14.2(3I) |
| Network Device Notes for above line : • For QSFP Ports, QSA (CVR-QSFP-SFP10G) required | | | | | | | | | | | | | |
| N9K-C93180YCFX3S | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 9.3(5) | NX-OS 9.3(5) |
| Network Device Notes for above line : • a) SFP Ports (1-48). ___ b) QSFP Ports (49-54), QSA (CVR-QSFP-SFP10G) required. | | | | | | | | | | | | | |
| N9K-C93180YCFX3 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | ACI-N9KDK9-15.1(3) | ACI-N9KDK9-15.1(3) |
| Network Device Notes for above line : • Supported on ports 1-48 only. | | | | | | | | | | | | | |
| N9K-C93180YCFX3 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 : • Supported on ports 1-48 only. | | | | | | | | | | | | | |
| N9K-C93108TCFX3P | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 9.3.5 | NX-OS 9.3.5 |
| Network Device Notes for above line : • QSFP Ports: QSA (CVR-QSFP-SFP10G) required. | | | | | | | | | | | | | |
| N9K-C93108TCFX3P | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | ACI-N9KDK9-15.1(3) | ACI-N9KDK9-15.1(3) |
| Network Device Notes for above line : • QSFP Ports: QSA (CVR-QSFP-SFP10G) required. | | | | | | | | | | | | | |
| N9K-C9332D-GX2B | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | ACI-N9KDK9-15.2(3) | ACI-N9KDK9-15.2(3) |
| Network Device Notes for above line : • For QSFP-DD and QSFP28 Ports, QSA (CVR-QSFP-SFP10G) required | | | | | | | | | | | | | |
| N9K-C9348D-GX2A | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | ACI-N9KDK9-15.2(5) | ACI-N9KDK9-15.2(5) |
| Network Device Notes for above line : • For QSFP-DD ports, QSA (CVR-QSFP-SFP10G) required | | | | | | | | | | | | | |
| N9K-C9364D-GX2A | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | ACI-N9KDK9-15.2(5) | ACI-N9KDK9-15.2(5) |
| Network Device Notes for above line : • For QSFP-DD ports, QSA (CVR-QSFP-SFP10G) required | | | | | | | | | | | | | |
| N9K-C9348GCFX3 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 10.4(1) | NX-OS 10.4(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 |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|--------------------|
| N9K-C9348GC-FX3 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | ACI-N9KDK9-16.0(5) | ACI-N9KDK9-16.0(5) |
| N9K-C9348GC-FX3PH | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 10.4(1) | NX-OS 10.4(1) |

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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.9.1 | IOS XE 17.9.1 |
| C9200CX-12T-2X2G | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.9.4 | IOS XE 17.9.4 |

ASR1000

| 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 |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|----------------|
| ASR1001-X | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.11.1 | IOS XE 16.11.1 |
| ASR1002-HX | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.11.1 | IOS XE 16.11.1 |
| ASR1001-HX | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 :

- ASR 1000 platform with SPA cards: Software support on the ASR 1000 modular platforms is determined by the platform on which the SPA is installed. Refer to the SPA release notes for the correct software release.

| | | | | | | | | | | | | | |
|-------------|------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|----------------|----------------|
| EPA-10X10GE | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.11.1 | IOS XE 16.11.1 |
|-------------|------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|----------------|----------------|

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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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-9320-24T4X-E | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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-E | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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. | | | | | | | | | | | | | |

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-X9564PX | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 7.0(3)I3.1 | — |
| Network Device Notes for above line : • Downlinks . | | | | | | | | | | | | | |
| N9K-X9464PX | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | NX-OS 7.0(3)I3.1 | — |

| 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 |
|---|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|--------------------|
| N9K-X9732C-EX | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | ACI-N9KDK9-11.3 | ACI-N9KDK9-13.0(1) |
| Network Device Notes for above line : • QSFP Ports, QSA (CVR-QSFP-SFP10G) required. | | | | | | | | | | | | | |
| N9K-X9736C-FX | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | ACI-N9KDK9-13.1 | ACI-N9KDK9-13.1 |
| Network Device Notes for above line : • QSFP Ports, QSA (CVR-QSFP-SFP10G) required. | | | | | | | | | | | | | |
| N9K-X9716D-GX | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | ACI-N9KDK9-15.1(1) | ACI-N9KDK9-15.1(1) |
| Network Device Notes for above line : • QSFP-DD Ports, QSA (CVR-QSFP-SFP10G) required. | | | | | | | | | | | | | |

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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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. | | | | | | | | | | | | | |

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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.5.1 | IOS XE 17.5.1 |
| C9300X-24Y | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.5.1 | IOS XE 17.5.1 |

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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.8.1 | IOS XE 16.8.1 |
| Network Device Notes for above line : • SFP Ports 1-24 | | | | | | | | | | | | | |
| C9500-24Y4C | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.9.1 | IOS XE 16.8.1 |
| Network Device Notes for above line : • SFP Ports 1-24; QSFP Ports 25-28: QSA (CVR-QSFP-SFP10G) required. | | | | | | | | | | | | | |
| C9500-48Y4C | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.8.1 | IOS XE 16.8.1 |
| Network Device Notes for above line : • SFP Ports 1-48 | | | | | | | | | | | | | |

| 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 |
|--|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|----------------|
| C9500-48Y4C | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.9.1 | IOS XE 16.9.1 |
| Network Device Notes for above line : • SFP Ports 1-48; QSFP Ports 49-52: QSA (CVR-QSFP-SFP10G) required. | | | | | | | | | | | | | |
| C9500-12Q | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 : • QSFP Ports: QSA (CVR-QSFP-SFP10G) required. | | | | | | | | | | | | | |
| C9500-40X | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.6.1 | IOS XE 16.6.1 |
| C9500-NM-8X | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.6.1 | IOS XE 16.6.1 |
| C9500-16X | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.8.1 | IOS XE 16.8.1 |
| C9500X-60L4D | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.10.1 | IOS XE 17.10.1 |
| Network Device Notes for above line : • For QSFP28 and QSFP-DD ports, QSA (CVR-QSFP-SFP10G) is required | | | | | | | | | | | | | |

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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.10.1 | IOS XE 16.10.1 |
| Network Device Notes for above line : • Uplink module for C9200-24P/48P/24T/48T | | | | | | | | | | | | | |
| C9200-NM-4X | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.12.2 | IOS XE 16.12.2 |
| Network Device Notes for above line : • Uplink module for C9200-24PXG; C9200-48PXG | | | | | | | | | | | | | |
| C9200-NM-4X | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.3.1 | IOS XE 17.3.1 |
| Network Device Notes for above line : • Uplink module for C9200-48PL | | | | | | | | | | | | | |
| C9200-NM-2Y | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.12.2 | IOS XE 16.12.2 |
| Network Device Notes for above line : • Uplink module for C9200L-24PXG-4X/2Y; C9200L-48PXG-4X/2Y | | | | | | | | | | | | | |

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-2Y | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 : • Uplink module for C9300- 24T/48T/24P/48P/24U/48U/24UX/48UXM/48UN | | | | | | | | | | | | | |
| C9300-NM-8X | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 3.14.0S | |
| NCS4201-SA | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.14 | IOS XE 3.14 |
| NCS 4201-SA | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.14 | |

| 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 |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|-------------|
| NCS4200-8T-PS | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 3.16.1S | |
| NCS4202-SA | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.14 | IOS XE 3.14 |

ESS3300

| 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 |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|---|-------------|
| ESS-3300-NCP-E | CWDM-SFP10G-1470 | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | Please see datasheet and release notes for minimum software release information . | |
| ESS-3300-NCP-A | CWDM-SFP10G-1470 | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | Please see datasheet and 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.11.1 | IOS XE 16.11.1 |
| Network Device Notes for above line : • When in use with C9600-SUP-1. | | | | | | | | | | | | | |
| C9600-LC-48YL | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.7.1 | IOS XE 17.7.1 |
| Network Device Notes for above line : • When in use with C9600X-SUP-2. | | | | | | | | | | | | | |
| C9600-LC-40YL4CD | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.7.1 | IOS XE 17.7.1 |
| Network Device Notes for above line : • When in use with C9600X-SUP-2. | | | | | | | | | | | | | |
| C9600-LC-40YL4CD | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.8.1 | IOS XE 17.8.1 |
| Network Device Notes for above line : • When in use with C9600-SUP-1. | | | | | | | | | | | | | |
| C9600X-LC-56YL4C | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.13.1 | IOS XE 17.13.1 |
| Network Device Notes for above line : • When in use with C9600X-SUP-2. | | | | | | | | | | | | | |

C9400X

| Network Device Product ID | Transceiver Product ID | Transceiver Business Unit | Data Rate | Form Factor | Reach | Cable Type | Media | Connector Type | Transceiver Type | Case Temp | DOM Capable | Min Software Support | DOM Support |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|---------------|
| C9400X-SUP-2 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.7.1 | IOS XE 17.7.1 |

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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.14 | IOS XE 3.14 |
| ASR-920-12CZ | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.14 | IOS XE 3.14 |
| ASR-920-12SZ-IM | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.14 | IOS XE 3.14 |
| ASR-920-24SZ-M | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.14 | IOS XE 3.14 |
| ASR-920-24SZ-IM | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.14 | IOS XE 3.14 |
| ASR-920-4SZ | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.14 | IOS XE 3.14 |
| ASR-920-24TZ-M | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.14 | IOS XE 3.14 |
| ASR-920-12SZ | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.14 | IOS XE 3.14 |
| ASR-920-8S4Z-PD | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 3.14 | IOS XE 3.14 |

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 |
|---------------------------|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|---------------|
| NCS-5501 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 6.2.2 | IOS XR 6.2.2 |
| NCS-5501-SE | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 6.2.2 | IOS XR 6.2.2 |
| NC55-MOD-A-S | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 6.5.1 | IOS XR 6.5.1 |
| NCS-55A2-MOD-S | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 6.5.1 | IOS XR 6.5.1 |
| NC55-MPA-12T-S | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 6.5.1 | IOS XR 6.5.1 |
| NC55-MOD-A-SE-S | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 6.6.1 | IOS XR 6.6.1 |
| NCS-55A2-MOD-HD-S | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 6.5.1 | IOS XR 6.5.1 |
| NCS-55A2-MOD-SE-S | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 6.6.1 | IOS XR 6.6.1 |
| NCS-55A2-MOD-HX-S | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 6.5.1 | IOS XR 6.5.1 |
| NCS-55A2-MOD-SE-H-S | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 6.6.1 | IOS XR 6.6.1 |
| NCS-55A1-48Q6H | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 6.6.25 | IOS XR 6.6.25 |
| NCS-55A1-24Q6H-S | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 6.6.25 | IOS XR 6.6.25 |

Network Device Notes for above line :

• For QSFP Ports, QSA (CVR-QSFP-SFP10G) required

| | | | | | | | | | | | | | |
|-------------------|------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|--------------|--------------|
| NCS-55A1-24Q6H-SS | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.2.1 | IOS XR 7.2.1 |
|-------------------|------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|--------------|--------------|

Network Device Notes for above line :

• For QSFP Ports, QSA (CVR-QSFP-SFP10G) required

| | | | | | | | | | | | | | |
|-----------------|------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|--------------|--------------|
| NC55-32T16Q4H-A | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.6.1 | IOS XR 7.6.1 |
|-----------------|------------------|-----|---------|------|------|--------------|-----|----------------|-------|----------|---|--------------|--------------|

| 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 |
|---|------------------------|---------------------------|-----------|-------------|-------|--------------|-------|----------------|------------------|-----------|-------------|----------------------|---------------|
| NCS-57C3-MOD-S | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.4.1 | IOS XR 7.4.1 |
| NCS-57C3-MOD-SE-S | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.4.1 | IOS XR 7.4.1 |
| NC57-36H6D-S | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.8.1 | IOS XR 7.8.1 |
| Network Device Notes for above line : • QSFP Ports, QSA (CVR-QSFP-SFP10G) required | | | | | | | | | | | | | |
| NC57-MOD-S | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.5.2 | IOS XR 7.5.2 |
| NC57-MPA-12L-S | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.6.1 | IOS XR 7.6.1 |
| NC55-OIP-02 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.7.1 | IOS XR 7.7.1 |
| Network Device Notes for above line : • Supported on NCS-57C3 and NCS-55A2 | | | | | | | | | | | | | |
| NC57-48Q2D-S | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.10.1 | IOS XR 7.10.1 |
| NC57-48Q2D-SE-S | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.10.1 | IOS XR 7.10.1 |
| NCS-57C1-48Q6D-S | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 7.5.2 | IOS XR 7.5.2 |

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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XR 6.0.0 | |
| NCS-5002 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 3.14.0S | |
| A900-IMA8T1Z | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 3.14.0S | |
| A900-IMA2Z | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS 3.14.0S | |
| A900-IMA8Z | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | 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 | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.9.2 | IOS XE 16.9.2 |
| Network Device Notes for above line : • On board - fixed uplinks | | | | | | | | | | | | | |
| C9200L-48P-4X | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.9.2 | IOS XE 16.9.2 |
| Network Device Notes for above line : • On board - fixed uplinks | | | | | | | | | | | | | |
| C9200L-24T-4X | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.9.2 | IOS XE 16.9.2 |
| Network Device Notes for above line : • On board - fixed uplinks | | | | | | | | | | | | | |

| 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-48T-4X | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.9.2 | IOS XE 16.9.2 |
| Network Device Notes for above line : • On board - fixed uplinks | | | | | | | | | | | | | |
| C9200L-24PXG-4X | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.11.1 | IOS XE 16.11.1 |
| Network Device Notes for above line : • On board - fixed uplinks | | | | | | | | | | | | | |
| C9200L-48PXG-4X | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.11.1 | IOS XE 16.11.1 |
| Network Device Notes for above line : • On board - fixed uplinks | | | | | | | | | | | | | |
| C9200L-24PXG-2Y | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.11.1 | IOS XE 16.11.1 |
| Network Device Notes for above line : • On board - fixed uplinks | | | | | | | | | | | | | |
| C9200L-48PXG-2Y | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 16.11.1 | IOS XE 16.11.1 |
| Network Device Notes for above line : • On board - fixed uplinks | | | | | | | | | | | | | |
| C9200L-48PL-4X | CWDM-SFP10G-XXXX | TMG | 10 Gbps | SFP+ | 40km | Duplex Fiber | SMF | LC (PC or UPC) | Optic | 0 to 70C | Y | IOS XE 17.3.1 | IOS XE 17.3.1 |