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Compatible Devices:

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N9500

N9200

ASR9000

ASR1000

ASR903

NCS4200

C3850

C3650

NCS540

NCS560

C9200

C9600

C9300L

N9800

C9800

N7700

C8500

C9300X

UCSX

C9400

C9400X

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-24UXG-2Q	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 16.12.2	IOS XE 16.12.2
C9300L-24UXG-2Q	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 17.1.1	IOS XE 17.1.1
C9300L-48UXG-2Q	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 16.12.2	IOS XE 16.12.2
C9300L-48UXG-2Q	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 17.1.1	IOS XE 17.1.1

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
N560-IMA-2C	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.2.1	IOS XR 7.2.1

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	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)I3(1)	NX-OS 7.0(3)I3.1
Network Device Notes for above line : • Uplinks only													
N9K-C92300YC	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 703I6.1	NX-OS-703I6.1
Network Device Notes for above line : • Uplinks only													
N9K-C9236C	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 703I4.1	NX-OS-703I4.1
N9K-C92304QC	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 703I4.1	NX-OS-703I4.1
N9K-C9272Q	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)I3(1)	NX-OS 7.0(3)I3(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
A9K-MPA-1X40GE	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.1.1	IOS XR 6.1.1
Network Device Notes for above line : • On MOD200 and MOD400.													
A9K-MPA-1X40GE	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (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 : • On MOD200 and MOD400													
A9K-MPA-1X40GE	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.1.1	IOS XR 6.1.1

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 : • On MOD200 and MOD400.													
A9K-MPA-2X40GE	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.1.1	IOS XR 6.1.1
Network Device Notes for above line : • On MOD200 and MOD400.													
A9K-MPA-2X40GE	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.1.1	IOS XR 6.1.1
Network Device Notes for above line : • On MOD200 and MOD400													
A9K-MPA-2X40GE	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.1.1	IOS XR 6.1.1
Network Device Notes for above line : • On MOD200 and MOD400.													
ASR-9901	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.1.1	IOS XR 6.1.1
A9K-20HG-FLEX-SE	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.1.1	IOS XR 6.1.1
A9K-20HG-FLEX-TR	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.1.1	IOS XR 6.1.1
A9K-8HG-FLEX-SE	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.1.1	IOS XR 6.1.1
A9K-8HG-FLEX-TR	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.1.1	IOS XR 6.1.1
A99-32X100GE-X-SE	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.1.1	IOS XR 6.1.1
A99-32X100GE-X-TR	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.1.1	IOS XR 6.1.1
A99-32HG-FC	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.1.1	IOS XR 6.1.1
A9K-20HG-FLEX-FC	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.1.1	IOS XR 6.1.1
A9K-8HG-FLEX-FC	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.1.1	IOS XR 6.1.1
ASR-9903	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.1.1	IOS XR 6.1.1
A9903-20HG-PEC	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.1.1	IOS XR 6.1.1
A9K-4HG-FLEX-TR	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.1.1	IOS XR 6.1.1
A9K-4HG-FLEX-SE	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.1.1	IOS XR 6.1.1
A99-4HG-FLEX-TR	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.1.1	IOS XR 6.1.1
A99-4HG-FLEX-SE	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.1.1	IOS XR 6.1.1
ASR-9902	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.1.1	IOS XR 6.1.1
Network Device Notes for above line : • Maximum number of optics supported is 40													
A9903-20HG-PEC-FC	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.1.1	IOS XR 6.1.1
ASR-9903-FC	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.1.1	IOS XR 6.1.1
ASR-9902-FC	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.1.1	IOS XR 6.1.1
Network Device Notes for above line : • Maximum number of optics supported is 40													
A9K-4HG-FLEX-FC	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.1.1	IOS XR 6.1.1
A99-4HG-FLEX-FC	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.1.1	IOS XR 6.1.1
ASR-9901-FC	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.1.1	IOS XR 6.1.1
A9K-MPA-2X40GE-FC	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.1.1	IOS XR 6.1.1
Network Device Notes for above line : • On MOD200 and MOD400.													

Network Device Product ID	Transceiver Product ID	Transceiver Business Unit	Data Rate	Form Factor	Reach	Cable Type	Media	Connector Type	Transceiver Type	Case Temp	DOM Capable	Min Software Support	DOM Support
A9K-MPA-2X40GE-FC	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (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 : • On MOD200 and MOD400													
A9K-MPA-2X40GE-FC	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.1.1	IOS XR 6.1.1
Network Device Notes for above line : • On MOD200 and MOD400.													

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-M206FQ-23L	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 6.2(12)	NX-OS 6.2(12)
N7K-F312FQ-25	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 6.2(12)	NX-OS 6.2(12)
N7K-M324FQ-25L	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 8.0(1)	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	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.3.2	IOS XR 6.3.2
N540-ACC-SYS	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.3.2	IOS XR 6.3.2
N540X-ACC-SYS	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.3.2	IOS XR 6.3.2
N540X-16Z4G8Q2C-A	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.2.1	IOS XR 7.2.1
N540X-16Z4G8Q2C-D	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.2.1	IOS XR 7.2.1
N540-28Z4C-SYS-A	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.2.1	IOS XR 7.2.1
N540-28Z4C-SYS-D	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.2.1	IOS XR 7.2.1
N540-FH-CSR-SYS	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.3.1	IOS XR 7.3.1
N540-24Q8L2DD-SYS	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.4.1	IOS XR 7.4.1
N540-24Q8L2DD-SYS	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.3.2	IOS XR 7.3.2
N540X-16Z8Q2C-D	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.5.2	IOS XR 7.5.2

CRS

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
2X100GE-FLEX-40	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 5.3.0	IOS XR 5.3.0

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	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)IX1(2)	NX-OS 7.0(3)IX1

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-C36180YCR	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)F3(4)	NX-OS 7.0(3)F3(4)
Network Device Notes for above line : • Breakout not supported													
N3K-C3064PQ-10GX	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)I3(1)	—
N3K-C3132Q-40GE	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)I3(1)	
N3K-C3132Q-40GX	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)I3(1)	
N3K-C3132Q-XL	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)I3(1)	
N3K-C3132Q-V	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)I4(1)	NX-OS 7.0(3)I4(1)
N3K-C3172PQ-10GE	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)I3(1)	NX-OS 7.0(3)I3(1)
N3K-C31108PC-V	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)I4(1)	NX-OS 7.0(3)I4(1)
N3K-C31108TC-V	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)I4(1)	NX-OS 7.0(3)I4(1)
N3K-C31128PQ-10GE	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)I2(1a)	NX-OS 7.0(3)I2(1a)
N3K-C3264Q	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)I1(2)	NX-OS 7.0(3)I1(2)
N3K-C3636C-R	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)F3(4)	NX-OS 7.0(3)F3(4)
Network Device Notes for above line : • Breakout not supported													
N3K-C3636C-R	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)F3(4)	NX-OS 7.0(3)F3(4)
Network Device Notes for above line : • Breakout not supported													
N3K-C34180YC	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 9.2.2	—
N3K-C3408-S	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 9.2(2t)	NX-OS 9.2(2t)
Network Device Notes for above line : • Supported on 400G LEM only. Support on odd ports of 100G LEM starting from NX-OS 9.3.5.													
N3K-C3432D-S	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 9.2(2t)	NX-OS 9.2(2t)
N3K-C34200YCSM	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 9.2(2V)	NX-OS 9.2(2V)

N9800

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-X9836DM-A	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 10.3(3)F	NX-OS 10.3(3)F
N9K-X98900CD-A	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 10.4(1)	NX-OS 10.4(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	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 16.2.1	IOS XE 16.2.1

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	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.3(0)N1(1)	—
N5K-C5672UP	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.1(1)N1(1)	
N5K-C56128P	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.1(1)N1(1)	
N56-M24UP2Q	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.1(1)N1(1)	NX-OS 7.0(2)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	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.3(0)DX(1)	NX-OS 7.3(0)DX(1)
N77-F324FQ-25	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 6.2(12)	NX-OS 6.2(12)
N77-M312CQ-26L	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 8.0(1)	NX-OS 8.0(1)
N77-F430CQ-36	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 8.3(1)	NX-OS 8.3(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	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 17.3.2	IOS XE 17.3.2
C8500-20X6C	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 17.10.1	IOS XE 17.10.1

Network Device Notes for above line :

- Breakout not supported

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
C3850-NM-2-40G	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 16.1.1	IOS XE 16.1.1

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.

WS-C3850-48XS	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 16.2.1	IOS XE 16.2.1
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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-SUP6T	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS 15.3(1)SY	
C6824-X-LE-40G	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS 15.2(2)SY	IOS 15.2(2)SY

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
C6840-X-LE-40G	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS 15.2(2)SY	IOS 15.2(2)SY
C6800-8P40G	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS 15.5(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	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0314.2	NX-OS 7.0314.2
N9K-C93180YC-EX	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-11.3(2)	ACI-N9KDK9-13.0(1)

Network Device Notes for above line :

- Supported on ports 49-54.

N9K-C93180YC-FX	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 70317.1	—
N9K-C93180YC-FX	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-12.2(2)	ACI-N9KDK9-13.0(1)

Network Device Notes for above line :

- Supported on ports 49-54. Ports 49 - 52 supports 40G breakout from 13.2(1).

N9K-C9348GC-FXP	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 70317.1	NX-OS 70317.1
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Network Device Notes for above line :

- Supported on ports 53 and 54 only

N9K-C9348GC-FXP	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-13.0(1)	ACI-N9KDK9-13.0(1)
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Network Device Notes for above line :

- Supported on ports 53 to 54 only

N9K-C93240YC-FX2	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 70317.3	NX-OS 70317.3
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Network Device Notes for above line :

- Uplinks. Breakout not supported.

N9K-C93240YC-FX2	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-14.0(1)	ACI-N9KDK9-14.0(1)
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Network Device Notes for above line :

- Supported on ports 49-60

N9K-C9336C-FX2	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.03.17.3	—
N9K-C9336C-FX2	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-13.1(2)	ACI-N9KDK9-13.1(2)

Network Device Notes for above line :

- Supported on ports 1-36

N9K-M12PQ	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)11(2)	NX-OS 7.0(3)11(2)
N9K-M12PQ	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-11.0(2)	ACI-N9KDK9-13.0(1)

Network Device Notes for above line :

- Uplink module.

N9K-M6PQ	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)11(2)	NX-OS 7.0(3)11(2)
N9K-M6PQ	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-11.0(2)	ACI-N9KDK9-13.0(1)

Network Device Notes for above line :

- Uplink module.

N9K-M6PQ-E	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)12(1)	NX-OS 7.0(3)12(1)
N9K-M6PQ-E	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)12(1)	—
N9K-M6PQ-E	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-11.1(2h)	ACI-N9KDK9-13.0(1)

Network Device Notes for above line :

- Uplink module.

N9K-C9372TX	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)11(2)	NX-OS 7.0(3)11(2)
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Network Device Product ID	Transceiver Product ID	Transceiver Business Unit	Data Rate	Form Factor	Reach	Cable Type	Media	Connector Type	Transceiver Type	Case Temp	DOM Capable	Min Software Support	DOM Support
Network Device Notes for above line : • With SFP-10G-SR-S, SFP-10G-LR-S, SFP-H10G-CU3M, SFP-10G-LRM (SMF – up to 300m only). Uplinks.													
N9K-C9372TX	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-11.0(3f)	ACI-N9KDK9-13.0(1)
Network Device Notes for above line : • Uplink only.													
N9K-C9372PX	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)11(2)	NX-OS 7.0(3)11(2)
Network Device Notes for above line : • With SFP-10G-SR-S, SFP-10G-LR-S, SFP-H10G-CU3M, SFP-10G-LRM (SMF – up to 300m only). Uplinks.													
N9K-C9372PX	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-11.0(3f)	ACI-N9KDK9-13.0(1)
Network Device Notes for above line : • Uplink only.													
N9K-C9372PX-E	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)12(1)	NX-OS 7.0(3)12(1)
Network Device Notes for above line : • Uplinks only.													
N9K-C9372PX-E	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-11.1(2h)	ACI-N9KDK9-13.0(1)
Network Device Notes for above line : • Uplink only.													
N9K-C9332PQ	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)11(2)	NX-OS 7.0(3)11(2)
N9K-C9332PQ	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-11.0(3f)	ACI-N9KDK9-13.0(1)
Network Device Notes for above line : • Uplink only.													
N9K-C93120TX	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)11(2)	NX-OS 7.0(3)11(2)
Network Device Notes for above line : • Uplinks only.													
N9K-C93120TX	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-11.2(1i)	ACI-N9KDK9-13.0(1)
Network Device Notes for above line : • Uplink only.													
N9K-C9372TX-E	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)13(1)	NX-OS 7.0(3)13(1)
Network Device Notes for above line : • Uplinks only.													
N9K-C9372TX-E	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-11.2 (2g)	ACI-N9KDK9-13.0(1)
Network Device Notes for above line : • Uplinks only.													
N9K-C93108TC-EX	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0314.2	NX-OS 7.0314.2
N9K-C93108TC-EX	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-12.0(1)	ACI-N9KDK9-13.0(1)
Network Device Notes for above line : • Supported on ports 49-54													
N9K-C93180LC-EX	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 70316.1	NX-OS 70316.1
N9K-C93180LC-EX	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-12.2(1)	ACI-N9KDK9-13.0(1)
Network Device Notes for above line : • QSFP Ports (1-25,27,29-32; 26 and 28 are hw-disabled). Breakout supported in ACI-N9KDK9-13.1(1)													
N9K-C93108TC-FX	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 70317.1	—
N9K-C93108TC-FX	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-12.2A	ACI-N9KDK9-13.0(1)
Network Device Notes for above line : • Supported on ports 49-54.													
N9K-C9364C	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 70317.2	NX-OS 70317.2
N9K-C9364C	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-13.0(1)	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 : • Supported on ports 1 to 64 only													
N9K-C9336PQ	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-11.0(2)	ACI-N9KDK9-13.0(1)
N9K-C9332C	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-14.0(1)	ACI-N9KDK9-14.0(1)
Network Device Notes for above line : • Supported on ports 1-32													
N9K-C9332C	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 9.2(3)	NX-OS 9.2(3)
Network Device Notes for above line : • Supported on ports 1-32													
N9K-C93360YC-FX2	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 9.3.1	NX-OS 9.3.1
N9K-C93360YC-FX2	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-14.1(2)	ACI-N9KDK9-14.1(2)
Network Device Notes for above line : • Uplinks.													
N9K-C93216TC-FX2	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 9.3.1	NX-OS 9.3.1
N9K-C93216TC-FX2	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-14.1(2)	ACI-N9KDK9-14.1(2)
N9K-C93600CD-GX	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-14.2(2)	ACI-N9KDK9-14.2(2)
N9K-C93600CD-GX	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 9.3(3)	NX-OS 9.3(3)
N9K-C9316D-GX	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-14.2(2)	ACI-N9KDK9-14.2(2)
N9K-C9316D-GX	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 9.3(3)	NX-OS 9.3(3)
N9K-C9364C-GX	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 9.3(3)	NX-OS 9.3(3)
N9K-C9364C-GX	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-14.2(3)	ACI-N9KDK9-14.2(3)
N9K-C93180YC-FX3S	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 9.3(5)	NX-OS 9.3(5)
N9K-C93180YC-FX3	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-15.1(3)	ACI-N9KDK9-15.1(3)
N9K-C93180YC-FX3	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 9.3(7)	NX-OS 9.3(7)
N9K-C93180YC-FX3	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 10.1(1)	NX-OS 10.1(1)
N9K-C9336C-FX2-E	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 10.1.1	—
N9K-C9336C-FX2-E	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-15.2(4)	ACI-N9KDK9-15.2(4)
Network Device Notes for above line : • Supported on ports 1-36													
N9K-C93108TC-FX3P	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-15.1(3)	ACI-N9KDK9-15.1(3)
N9K-C93108TC-FX3P	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 9.3.5	—
N9K-C9332D-GX2B	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-15.2(3)	ACI-N9KDK9-15.2(3)
N9K-C9332D-GX2B	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 10.2(1q) F	NX-OS 10.2(1q) F
N9K-C9348D-GX2A	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-15.2(5)	ACI-N9KDK9-15.2(5)
N9K-C9348D-GX2A	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 10.2(3) F	NX-OS 10.2(3) F
N9K-C9364D-GX2A	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-15.2(5)	ACI-N9KDK9-15.2(5)
N9K-C9364D-GX2A	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 10.2(3) F	NX-OS 10.2(3) F
N9K-C9332D-H2R	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 10.4(1)	NX-OS 10.4(1)
N9K-C9348GC-FX3	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 10.4(1)	NX-OS 10.4(1)
N9K-C9348GC-FX3	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-16.0(5)	ACI-N9KDK9-16.0(5)
N9K-C9348GC-FX3PH	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 10.4(1)	NX-OS 10.4(1)
N9K-C93108TC-FX3	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 10.4(2)F	NX-OS 10.4(2)F
N9K-C93108TC-FX3	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-16.0(5)	ACI-N9KDK9-16.0(5)

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-C93400LD-H1	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 10.4(2)F	NX-OS 10.4(2)F

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
EPA-1X40GE	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 16.6.2	IOS XE 16.11
EPA-2X40GE	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 16.6.2	IOS XE 16.11

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	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)I5(2)	NX-OS 7.0(3)I5(2)
Network Device Notes for above line : • Uplinks only.													
N9K-X9636PQ	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)I1(2)	NX-OS 7.0(3)I1(2)
N9K-X9564PX	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)I1(2)	NX-OS 7.0(3)I1(2)
Network Device Notes for above line : • Uplinks only.													
N9K-X9564TX	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)I1(2)	NX-OS 7.0(3)I1(2)
Network Device Notes for above line : • Uplinks only.													
N9K-X9636Q-R	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)F2(1)	NX-OS 7.0(3)F2(1)
Network Device Notes for above line : • Breakout not supported													
N9K-X9636C-R	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)F2(1)	NX-OS 7.0(3)F2(1)
Network Device Notes for above line : • Breakout not supported													
N9K-X9636C-RX	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)F3(1)	NX-OS 7.0(3)F3(1)
Network Device Notes for above line : • Breakout not supported													
N9K-X9464PX	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)I1(2)	NX-OS 7.0(3)I1(2)
Network Device Notes for above line : • Uplinks only													
N9K-X9464TX	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)I1(2)	NX-OS 7.0(3)I1(2)
Network Device Notes for above line : • Uplinks only													
N9K-X9536PQ	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)I1(2)	NX-OS 7.0(3)I1(2)
N9K-X9432PQ	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)I1(2)	NX-OS 7.0(3)I1(2)
N9K-X9432C-S	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)I3(1)	NX-OS 7.0(3)I3(1)
N9K-X9464TX2	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 70313.1	NX-OS 70313.1
N9K-X9732C-EX	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0314.2	NX-OS 7.0314.2

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
N9K-X9732C-EX	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-11.3	ACI-N9KDK9-13.0(1)
N9K-X9736C-FX	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)17(2)	NX-OS 7.0(3)17(2)
N9K-X9736C-FX	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-13.0(1)	ACI-N9KDK9-13.0(1)
N9K-X9736C-EX	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)16(1)	NX-OS 7.0(3)16(1)
N9K-X9788TC-FX	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.03.17.3	NX-OS 7.03.17.3

Network Device Notes for above line :

• Uplinks only.

N9K-X9736PQ	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-11.0(2)	ACI-N9KDK9-13.0(1)
N9K-X9732C-FX	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0314.2	NX-OS 7.0314.2
N9K-X96136YC-R	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 9.2(1)	NX-OS 9.2(1)
N9K-X9736Q-FX	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0.317.6	NX-OS 7.0.317.6
N9K-X9736Q-FX	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-14.1(1)	ACI-N9KDK9-14.1(1)
N9K-X9624D-R2	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 10.1(2)	NX-OS 10.1(2)
N9K-X9400-8D	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-16.0(2h)	ACI-N9KDK9-16.0(2h)
N9K-X9400-16W	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 10.3(2)	NX-OS 10.3(2)
N9K-X9400-16W	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-16.0(2h)	ACI-N9KDK9-16.0(2h)

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	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 16.8.1	IOS XE 16.8.1
C9400-SUP-1XL	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 16.8.1	IOS XE 16.8.1
C9400-SUP-1XL-Y	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 16.9.1	IOS XE 16.9.1
C9400-LC-12QC	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 17.12.1	IOS XE 17.12.1

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-NM-2C	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 17.5.1	IOS XE 17.5.1
C9300X-NM-4C	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 17.5.1	IOS XE 17.5.1

Network Device Notes for above line :

• Uplink module C9300X-NM-4C is supported in the C9300X-48HX, C9300X-48TX and C9300X-24Y.

UCSX

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
UCSX-FI-6454-U	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	UCS Manager v4.0(1a)	UCS Manager v4.0(1a)

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
UCSX-FI-64108-U	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	UCS Manager v4.0(1a)	UCS Manager v4.0(1a)

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	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 16.8.1	IOS XE 16.8.1
C9500-48Y4C	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 16.8.1	IOS XE 16.8.1
C9500-12Q	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 16.6.1	IOS XE 16.6.1
C9500-24Q	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 16.5.1	IOS XE 16.5.1
C9500-NM-2Q	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 16.6.1	IOS XE 16.6.1
C9500-32QC	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 16.8.1	IOS XE 16.8.1
C9500-32C	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 16.8.1	IOS XE 16.8.1
C9500X-28C8D	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 17.7.1	IOS XE 17.7.1
C9500X-60L4D	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 17.10.1	IOS XE 17.10.1

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-2Q	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 16.12.1	IOS XE 16.12.1

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-2Q	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 16.5.1	IOS XE 16.5.1

Network Device Notes for above line :

- Uplink module for C9300- 24T/48T/24P/48P/24U/48U/24UX/48UXM/48UN

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
NCS4200-2Q-P	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS 3.18	

NCS4000

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
NCS4K-4H-OPW-QC2	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.1.22	IOS XR 6.1.22

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
C9800-80-K9	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	Please see release notes for minimum software release information .	
C9800-1X40GE	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	Please see release notes for minimum software release information .	
C9800-2X40GE	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (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-24C	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 16.11.1	IOS XE 16.11.1
Network Device Notes for above line : • When in use with C9600-SUP-1.													
C9600-LC-24C	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (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	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (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	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 17.8.1	IOS XE 17.8.1
Network Device Notes for above line : • When in use with C9600-SUP-1.													
C9600X-LC-32CD	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 17.9.1	IOS XE 17.9.1
Network Device Notes for above line : • When in use with C9600X-SUP-2.													
C9600X-LC-56YL4C	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (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	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 17.7.1	IOS XE 17.7.1
C9400X-SUP-2XL	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 17.7.1	IOS XE 17.7.1

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
N6K-C6004-96Q	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.1(1)N1(1)	
N6K-C6004-M12Q	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.1(1)N1(1)	
N6K-C6004-M12Q	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 6.0(2)N2(2)	NX-OS 6.0(2)N1(2)
N6004-B-24Q	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.1(1)N1(1)	

UCSB

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
UCS-FI-6454	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	UCS Manager v4.0(1a)	UCS Manager v4.0(1a)
UCS-FI-64108	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	UCS Manager v4.0(1a)	UCS Manager v4.0(1a)
UCS-FI-64108-U	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	UCS Manager v4.0(1a)	UCS Manager v4.0(1a)
UCS-FI-6454-U	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	UCS Manager v4.0(1a)	UCS Manager v4.0(1a)

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	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.0.1	IOS XR 6.0.1
NC55-24X100G-SE	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.0.1	IOS XR 6.0.1
NC55-18H18F	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.0.1	IOS XR 6.0.1
NC55-24H12F-SE	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.1.1	IOS XR 6.1.1
NC55-36X100G-A-SE	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.3.1	IOS XR 6.3.1
NCS-5501	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.1.1	IOS XR 6.1.1
NCS-5501-SE	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.1.1	IOS XR 6.1.1
NCS-5502	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.1.1	IOS XR 6.1.1
NCS-5502-SE	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.1.1	IOS XR 6.1.1
NCS-55A1-36H-S	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.2.2	IOS XR 6.2.2
NCS-55A1-24H	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.3.1	IOS XR 6.3.1
NC55-36X100G-S	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.2.1	IOS XR 7.2.1
NCS-55A1-36H-SE-S	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.3.2	IOS XR 6.3.2
NC55-MOD-A-S	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.5.1	IOS XR 6.5.1

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
NC55-MPA-4H-S	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.5.1	IOS XR 6.5.1
NC55-MPA-4H-HD-S	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.5.1	IOS XR 6.5.1
NC55-MPA-1TH2H-S	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.5.1	IOS XR 6.5.1
NC55-MOD-A-SE-S	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.6.1	IOS XR 6.6.1
NCS-55A1-48Q6H	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.6.25	IOS XR 6.6.25
NCS-55A1-24Q6H-S	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.6.25	IOS XR 6.6.25
NC55-MPA-4H-HX-S	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.5.1	IOS XR 6.5.1
NC57-24DD	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.0.2	IOS XR 7.0.2
NC57-18DD-SE	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.0.2	IOS XR 7.0.2
NCS-55A1-24Q6H-SS	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.3.1	IOS XR 7.3.1
NC55-32T16Q4H-A	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.7.1	IOS XR 7.7.1
NC57-36H-SE	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.2.2	IOS XR 7.2.2
NCS-57B1-6D24H-S	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.3.2	IOS XR 7.3.2
NCS-57B1-5D24-SE	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.3.2	IOS XR 7.3.2
NC57-MPA-2D4H-S	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.4.1	IOS XR 7.4.1

Network Device Notes for above line :

• In conjunction with NCS-57C3 platform

NC57-MPA-2D4H-S	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.6.1	IOS XR 7.6.1
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Network Device Notes for above line :

• In conjunction with NC57-MOD-S platform

NCS-57C3-MOD-S	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.4.1	IOS XR 7.4.1
NCS-57C3-MOD-SE-S	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.4.1	IOS XR 7.4.1
NC57-36H6D-S	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.3.2	IOS XR 7.3.2
NC57-MOD-S	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.6.1	IOS XR 7.6.1
NCS-57C1-48Q6-SYS	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.5.2	IOS XR 7.5.2
NCS-57D2-18DD-S	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.8.1	IOS XR 7.8.1
NC57-48Q2D-S	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.10.1	IOS XR 7.10.1
NC57-48Q2D-SE-S	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.10.1	IOS XR 7.10.1
NCS-57C1-48Q6D-S	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (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-5011	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.1.0	

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-IMA2F	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS 3.18	