

Cisco QSFP-100G-LR4-S Compatibility Matrix Datasheet



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Compatible Devices:

C9400

C9500

UCSB

UCSC

NCS1000

15454W

NCS5000

NCS5500

NCS6000

FPRHIGH

FPRUHI

NCS4000

ASR900

N9300

N3000

N9500

N9200

ASR9000

ASR1000

ASR903

NCS4200

NCS540

NCS560

CBR8

C9600

N9800

C9800

N7700

Mellanox (Nvidia)

8000 Series

C8500

C9300X

UCSX

C9400

C9400X

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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.6.25	IOS XR 6.6.25
Network Device Notes for above line : • No breakout supported													
N560-IMA-2C-DD	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.3.1	IOS XR 7.3.1

N9200

Network Device Product ID	Transceiver Product ID	Transceiver Business Unit	Data Rate	Form Factor	Reach	Cable Type	Media	Connector Type	Transceiver Type	Case Temp	DOM Capable	Min Software Support	DOM Support
N9K-C92160YC-X	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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-C92300YC	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 70316.1	NX-OS 70316.1
N9K-C9236C	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)I4(6)	NX-OS 7.0(3)I4(6)
N9K-C92304QC	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 70314.1	NX-OS 70314.1
N9K-C92348GC-X	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 9.3.1	NX-OS 9.3.1

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
A99-12X100GE	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.0.1	IOS XR 6.0.1
A99-12X100GE	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 6.0.1	IOS XR 64 Bit 6.0.1
A9K-4X100GE	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 6.2.3	IOS XR 64 Bit 6.2.3
A9K-4X100GE	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.2.3	IOS XR 6.2.3
A99-4X100GE	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 6.2.3	IOS XR 64 Bit 6.2.3
A99-4X100GE	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.2.3	IOS XR 6.2.3
A99-32X100GE-TR	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 6.5.1	IOS XR 64 Bit 6.5.1
A9K-16X100GE-TR	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 6.5.1	IOS XR 64 Bit 6.5.1
ASR-9901	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 6.4.1	IOS XR 64 Bit 6.4.1
A9K-20HG-FLEX-SE	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 7.1.15	IOS XR 64 Bit 7.1.15
A9K-20HG-FLEX-TR	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 7.1.15	IOS XR 64 Bit 7.1.15
A9K-8HG-FLEX-SE	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 7.1.15	IOS XR 64 Bit 7.1.15
A9K-8HG-FLEX-TR	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 7.1.15	IOS XR 64 Bit 7.1.15

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
A99-32X100GE-X-SE	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 7.1.15	IOS XR 64 Bit 7.1.15
A99-32X100GE-X-TR	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 7.1.15	IOS XR 64 Bit 7.1.15
A99-32HG-FC	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 7.1.15	IOS XR 64 Bit 7.1.15
A9K-20HG-FLEX-FC	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 7.1.15	IOS XR 64 Bit 7.1.15
A9K-8HG-FLEX-FC	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 7.1.15	IOS XR 64 Bit 7.1.15
A99-16X100GE-X-SE	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 6.5.1	IOS XR 64 Bit 6.5.1
ASR-9903	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 7.1.3	IOS XR 64 Bit 7.1.3
A9903-20HG-PEC	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 7.1.3	IOS XR 64 Bit 7.1.3
A99-10X400GE-X-TR	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 7.4.1	IOS XR 64 Bit 7.4.1
A99-10X400GE-X-TR	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 7.3.2	IOS XR 64 Bit 7.3.2
A99-10X400GE-X-SE	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 7.4.1	IOS XR 64 Bit 7.4.1
A99-10X400GE-X-SE	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 7.3.2	IOS XR 64 Bit 7.3.2
A9K-4HG-FLEX-TR	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 7.4.1	IOS XR 64 Bit 7.4.1
A9K-4HG-FLEX-SE	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 7.4.1	IOS XR 64 Bit 7.4.1
A99-4HG-FLEX-TR	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 7.4.1	IOS XR 64 Bit 7.4.1
A99-4HG-FLEX-SE	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 7.4.1	IOS XR 64 Bit 7.4.1
ASR-9902	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 7.4.1	IOS XR 64 Bit 7.4.1
A99-4T-FC	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 7.4.1	IOS XR 64 Bit 7.4.1
A99-4T-FC	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 7.3.2	IOS XR 64 Bit 7.3.2
A9903-20HG-PEC-FC	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 7.1.3	IOS XR 64 Bit 7.1.3
ASR-9903-FC	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 7.1.3	IOS XR 64 Bit 7.1.3
ASR-9902-FC	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 7.4.1	IOS XR 64 Bit 7.4.1
A9K-4HG-FLEX-FC	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 7.4.1	IOS XR 64 Bit 7.4.1
A99-4HG-FLEX-FC	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 7.4.1	IOS XR 64 Bit 7.4.1
A99-12X100GE-FC	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.0.1	IOS XR 6.0.1
A99-12X100GE-FC	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 bit 6.0.1	IOS XR 64 bit 6.0.1
A99-16X100GE-X-FC	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 bit 6.5.1	IOS XR 64 bit 6.5.1
ASR-9901-FC	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 bit 6.4.1	IOS XR 64 bit 6.4.1
A99-32X100GE-FC	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 bit 6.5.1	IOS XR 64 bit 6.5.1
A9K-16X100GE-FC	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 bit 6.5.1	IOS XR 64 bit 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
N540-24Z8Q2C-SYS	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.3.2	IOS XR 6.3.2
N540-ACC-SYS	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.3.2	IOS XR 6.3.2
N540X-ACC-SYS	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.3.2	IOS XR 6.3.2
N540X-16Z4G8Q2C-A	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.0.1	IOS XR 7.0.1
N540X-16Z4G8Q2C-D	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.0.1	IOS XR 7.0.1
N540-28Z4C-SYS-A	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.0.1	IOS XR 7.0.1
N540-28Z4C-SYS-D	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.0.1	IOS XR 7.0.1
N540-FH-CSR-SYS	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.3.1	IOS XR 7.3.1
N540-24Q8L2DD-SYS	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.4.1	IOS XR 7.4.1
N540-FH-AGG-SYS	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.3.2	IOS XR 7.3.2
N540X-16Z8Q2C-D	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.5.2	IOS XR 7.5.2

N3000

Network Device Product ID	Transceiver Product ID	Transceiver Business Unit	Data Rate	Form Factor	Reach	Cable Type	Media	Connector Type	Transceiver Type	Case Temp	DOM Capable	Min Software Support	DOM Support
N3K-C3232C	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)1X1(2)	NX-OS 7.0(3)1X1(2)
N3K-C36180YCR	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)F3(1)	NX-OS 7.0(3)F3(1)
N3K-C31108PC-V	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)14(1)	NX-OS 7.0(3)14(1)
Network Device Notes for above line : • 4x25G breakout not supported													
N3K-C31108TC-V	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)14(1)	NX-OS 7.0(3)14(1)
Network Device Notes for above line : • 4x25G breakout not supported													
N3K-C3636C-R	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)F3(4)	NX-OS 7.0(3)F3(4)
N3K-C3264C-E	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 9.2(1)	NX-OS 9.2(1)
N3K-C3132C-Z	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 9.2(2)	NX-OS 9.2(2)
N3K-C34180YC	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 9.2.2	NX-OS 9.2.2
N3K-C3408-S	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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 100G and 400G LEM													
N3K-C3432D-S	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 9.2(2t)	NX-OS 9.2(2t)
N3K-C3464C	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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 : • QSFP Ports (1-64).													
N3K-C34200YCSM	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 10.3(1)	NX-OS 10.3(1)
N9K-X98900CD-A	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 10.4(1)	NX-OS 10.4(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-M312CQ-26L	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 8.0(1)	NX-OS 8.0(1)
N77-F430CQ-36	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 17.3.2	IOS XE 17.3.2
C8500-20X6C	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 17.10.1	IOS XE 17.10.1

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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-11.3(2)	ACI-N9KDK9-13.0(1)
N9K-C93180YC-EX	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0314.2	NX-OS 7.0314.2
N9K-C93180YC-FX	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0317.1	NX-OS 7.0317.1
N9K-C93180YC-FX	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-12.2(2)	ACI-N9KDK9-13.0.1
N9K-C9348GC-FXP	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 70317.1	NX-OS 70317.1

Network Device Notes for above line :

- Supported on ports 53 and 54 only.

N9K-C9348GC-FXP	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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 and 54 only

N9K-C93240YC-FX2	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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 :

- Breakout not supported

N9K-C93240YC-FX2	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0317.3	NX-OS 7.0317.3
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N9K-C9336C-FX2	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-13.1(2)	ACI-N9KDK9-13.1(2)
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Network Device Notes for above line :

- Supported on ports 1-36

N9K-C93108TC-EX	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-12.0(1)	ACI-N9KDK9-13.0(1)
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N9K-C93108TC-EX	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0314.2	NX-OS 7.0314.2
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N9K-C93180LC-EX	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 70316.1	NX-OS 70316.1
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Network Device Notes for above line :

- Supported on ports 29-32.

N9K-C93180LC-EX	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 70317.1	NX-OS 70317.1
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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 : • Hardware profile port mode: 28x40G+4x100G - ports 29-32, 24x40G+6x100G - ports 25,27,29-32, 18x100G ports - 1,3,5,...27,29-32													
N9K-C93180LC-EX	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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 (1-24,25,27,29-32; breakout on odd ports only from 1-24; 26 and 28 are hw-disabled). Breakout supported in ACI-N9KDK9-13.1(1).													
N9K-C93108TC-FX	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 70317.1	NX-OS 70317.1
N9K-C93108TC-FX	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-12.2(2)	ACI-N9KDK9-13.0(1)
N9K-C9364C	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-13.0(1)	ACI-N9KDK9-13.0(1)
Network Device Notes for above line : • Supported on ports 1 to 64 only.													
N9K-C9364C	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 70317.2	NX-OS 70317.2
N9K-C9332C	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-14.1(2)	ACI-N9KDK9-14.1(2)
N9K-C93360YC-FX2	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 9.3.1	NX-OS 9.3.1
N9K-C93216TC-FX2	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 9.3.1	NX-OS 9.3.1
N9K-C93216TC-FX2	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-14.1(2)	ACI-N9KDK9-14.1(2)
N9K-C93600CD-GX	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-14.2(2)	ACI-N9KDK9-14.2(2)
N9K-C93600CD-GX	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 9.3(3)	NX-OS 9.3(3)
N9K-C9316D-GX	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-14.2(2)	ACI-N9KDK9-14.2(2)
N9K-C9316D-GX	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 9.3(3)	NX-OS 9.3(3)
N9K-C9364C-GX	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 9.3(3)	NX-OS 9.3(3)
N9K-C9364C-GX	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-14.2(3)	ACI-N9KDK9-14.2(3)
N9K-C93180YC-FX3S	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 9.3(5)	NX-OS 9.3(5)
N9K-C93180YC-FX3	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 9.3(7)	NX-OS 9.3(7)
N9K-C93180YC-FX3	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-15.1(3)	ACI-N9KDK9-15.1(3)
N9K-C93180YC-FX3	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-15.1(3)	ACI-N9KDK9-15.1(3)
N9K-C93108TC-FX3P	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 9.3.5	NX-OS 9.3.5
N9K-C9332D-GX2B	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-15.2(3)	ACI-N9KDK9-15.2(3)
N9K-C9332D-GX2B	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-15.2(5)	ACI-N9KDK9-15.2(5)
N9K-C9348D-GX2A	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-15.2(5)	ACI-N9KDK9-15.2(5)
N9K-C9364D-GX2A	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 10.2(3) F	NX-OS 10.2(3) F

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-C9332D-H2R	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 10.4(1)	NX-OS 10.4(1)
N9K-C9348GC-FX3	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 10.4(1)	NX-OS 10.4(1)
N9K-C9348GC-FX3	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-16.0(5)	ACI-N9KDK9-16.0(5)
N9K-C9348GC-FX3PH	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 10.4(1)	NX-OS 10.4(1)
N9K-C9232E-B1	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-16.0(5)	ACI-N9KDK9-16.0(5)
N9K-C93400LD-H1	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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-QSFP-1X100GE	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 16.9.1	

FPRUHI

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
FPR9K-DNM-2X100G	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	Please refer to Firepower product datasheets and release notes for software configurations.	
FPR-NM-2X100G	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	Please refer to Firepower product datasheets and release notes for software configurations.	
FPR-NM-4X100G	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	Please refer to Firepower product datasheets and release notes for software configurations.	
FPR9K-NM-2X100G	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	Please refer to Firepower product datasheets and release notes for software configurations.	
FPR9K-NM-4X100G	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	Please refer to Firepower product datasheets and release notes for software configurations.	

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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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-X9636C-R	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)F2(1)	NX-OS 7.0(3)F2(1)
N9K-X9636C-RX	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)F3(1)	NX-OS 7.0(3)F3(1)
N9K-X9432C-S	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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-X9732C-EX	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-12.2	ACI-N9KDK9-13.0(1)
N9K-X9732C-EX	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.03I4.2	NX-OS 7.03I4.2
N9K-X9736C-FX	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-13.0(1)	ACI-N9KDK9-13.0(1)
N9K-X9736C-FX	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)I7(2)	NX-OS 7.0(3)I7(2)
N9K-X9736C-EX	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.0(3)I6(1)	NX-OS 7.0(3)I6(1)
N9K-X9788TC-FX	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.03.I7.3	NX-OS 7.03.I7.3
Network Device Notes for above line : • Uplinks only.													
N9K-X9732C-FX	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 7.03.I7.3	NX-OS 7.03.I7.3
N9K-X96136YC-R	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 9.2(1)	NX-OS 9.2(1)
N9K-X9716D-GX	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 10.1(1)	NX-OS 10.1(1)
N9K-X9624D-R2	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 10.1(2)	NX-OS 10.1(2)
N9K-X9400-8D	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI-N9KDK9-16.0(2h)	ACI-N9KDK9-16.0(2h)
N9K-X9400-16W	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 10.3(2)	NX-OS 10.3(2)
N9K-X9400-16W	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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-LC-12QC	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 17.12.1	IOS XE 17.12.1

Mellanox (Nvidia)

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
Mellanox (Nvidia) ConnectX-5 100GbE QSFP28 Network Interface Card	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	—	—
Mellanox (Nvidia) ConnectX-6 100GbE QSFP56 Network Interface Card	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	—	—

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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 17.5.1	IOS XE 17.5.1
C9300X-NM-4C	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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-6536	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	UCS Manager v4.2.2	UCS Manager v4.2.2
UCSX-FI-6536-U	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	UCS Manager v4.2.2	UCS Manager v4.2.2
UCSX-I-9108-100G	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IMM v4.2.2	—
UCS-FI-6536	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	UCS Manager v4.2.3	UCS Manager v4.2.3
UCSX-FI-6454-U	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	UCS Manager v4.0(1a)	UCS Manager v4.0(1a)
UCSX-FI-64108-U	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 16.8.1	IOS XE 16.8.1
C9500-48Y4C	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 16.8.1	IOS XE 16.8.1
C9500-32QC	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 16.8.1	IOS XE 16.8.1
C9500-32C	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 16.8.1	IOS XE 16.8.1
C9500X-28C8D	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 17.8.1	IOS XE 17.8.1
C9500X-60L4D	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 17.10.1	IOS XE 17.10.1

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
NCS4200-2H-PQ	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 16.11.1	

CBR8

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
CBR-SUP-250G	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 16.7.1	IOS XE 16.7.1

Network Device Product ID	Transceiver Product ID	Transceiver Business Unit	Data Rate	Form Factor	Reach	Cable Type	Media	Connector Type	Transceiver Type	Case Temp	DOM Capable	Min Software Support	DOM Support
CBR-DPIC-2X100G	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 16.12.1	IOS XE 16.12.1

NCS6000

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
NC6-20X100GE-M-C	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.2.2	IOS XR 6.2.2
NC6-20X100GE-L-C	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.2.2	IOS XR 6.2.2

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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.5.28	IOS XR 6.5.28

15454W

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
NCS2K-400G-XP	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	10.6.1	10.6.1

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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	Please see release notes for minimum software release information .	
C9800-1X100GE	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 17.7.1	IOS XE 17.7.1

Network Device Product ID	Transceiver Product ID	Transceiver Business Unit	Data Rate	Form Factor	Reach	Cable Type	Media	Connector Type	Transceiver Type	Case Temp	DOM Capable	Min Software Support	DOM Support
Network Device Notes for above line : • When in use with C9600X-SUP-2.													
C9600-LC-40YL4CD	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 17.7.1	IOS XE 17.7.1
C9400X-SUP-2XL	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 17.7.1	IOS XE 17.7.1

FPRHIGH

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
FPR-DNM-2X100G	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	Please refer to Firepower product datasheets and release notes for software configurations.	
FPR4K-XNM-2X100G	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	Please refer to Firepower product datasheets ; installation guides, and release notes for software configurations.	
FPR4K-XNM-4X200G	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	Please refer to Firepower product datasheets ; installation guides, and release notes for software configurations.	

8000 Series

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
8201	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.0.12	IOS XR 7.0.12
8202	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.3.1	IOS XR 7.3.1
8800-LC-36FH	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.0.12	IOS XR 7.0.12
8800-LC-48H	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.0.12	IOS XR 7.0.12
8201-32FH	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.3.15	IOS XR 7.3.15
88-LC0-36FH-M	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.3.15	IOS XR 7.3.15
88-LC0-36FH	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.3.15	IOS XR 7.3.15
8101-32FH	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.3.2	IOS XR 7.3.2
8101-32H	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.3.3	IOS XR 7.3.3
8102-64H	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.3.3	IOS XR 7.3.3
88-LC0-34H14FH	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.3.3	IOS XR 7.3.3
8202-32FH-M	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.5.2	IOS XR 7.5.2
8101-32FH-O	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	SONIC 202012.1.1	SONIC 202012.1.1
8201-24H8FH	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.5.2	IOS XR 7.5.2
8111-32EH	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.10.1	IOS XR 7.10.1
86-MPA-14H2FH-M	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.10.1	IOS XR 7.10.1
86-MPA-4FH-M	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.10.1	IOS XR 7.10.1

UCSC

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
UCSC-PCIE-C100-04	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	UCS Manager v4.02a	—
UCSC-MLOM-C100-04	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	UCS Manager v4.02a	—
UCSC-P-M5S100GF	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	UCS HUU 4.1(2a)	—
UCSC-P-M5D100GF	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	UCS HUU 4.1(1f)	—
Network Device Notes for above line : • Breakout not supported.													
UCSC-M-V100-04	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	UCS Manager v4.2.1	—
Network Device Notes for above line : • VIC 1477. For 6300 server fabric interconnect.													
UCSC-P-M6CD100GF	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	UCS HUU: 4.2(1f)	—
UCSC-P-M6DD100GF	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	UCS HUU: 4.2(1f)	—
UCSC-M-V5D200G	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	UCS Manager v4.2.3	UCS Manager v4.2.3
Network Device Notes for above line : • VIC 15238													
UCSC-M-V5D200G-D	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	UCS Manager v4.3.1	UCS Manager v4.3.1
Network Device Notes for above line : • VIC 15238													
UCSC-P-V5D200G	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	UCS Manager v4.2.3	UCS Manager v4.2.3
Network Device Notes for above line : • VIC 15235													
UCSC-P-V5D200G-D	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	UCS Manager v4.3.1	UCS Manager v4.3.1
Network Device Notes for above line : • VIC 15235													

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
UCSC-M-V5D200GV2	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	UCS Manager v4.3(2c)	UCS Manager v4.3(2c)
Network Device Notes for above line : • VIC 15237													
UCSC-M-V5D200GV2D	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	UCS Manager v4.3(2c)	UCS Manager v4.3(2c)
Network Device Notes for above line : • VIC 15237													

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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	UCS Manager v4.0(1a)	UCS Manager v4.0(1a)
UCS-FI-64108	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.0.0	IOS XR 6.0.0
NC55-24X100G-SE	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.0.1	IOS XR 6.0.1
NC55-18H18F	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.0.1	IOS XR 6.0.1
NC55-24H12F-SE	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.3.1	IOS XR 6.3.1
NCS-5501	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.1.1	IOS XR 6.1.1
NCS-5501-SE	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.1.1	IOS XR 6.1.1
NCS-5502	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.1.1	IOS XR 6.1.1
NCS-5502-SE	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.2.2	IOS XR 6.2.2
NCS-55A1-24H	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.3.1	IOS XR 6.3.1
NC55-36X100G-S	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.1.3	IOS XR 6.1.3
NCS-55A1-36H-SE-S	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.3.2	IOS XR 6.3.2
NC55-MPA-4H-S	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.5.1	IOS XR 6.5.1
NCS-55A1-48Q6H	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.5.1	IOS XR 6.5.1
NC57-24DD	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.0.2	IOS XR 7.0.2
NC57-18DD-SE	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.2.1	IOS XR 7.2.1

Network Device Product ID	Transceiver Product ID	Transceiver Business Unit	Data Rate	Form Factor	Reach	Cable Type	Media	Connector Type	Transceiver Type	Case Temp	DOM Capable	Min Software Support	DOM Support
NC55-32T16Q4H-A	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.2.2	IOS XR 7.2.2
NC57-36H-SE	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.3.1	IOS XR 7.3.1
NCS-57B1-5D24-SE	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.3.1	IOS XR 7.3.1
NC57-MPA-2D4H-S	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.6.1	IOS XR 7.6.1
Network Device Notes for above line :													
• In conjunction with NC57-MOD-S platform													
NCS-57C3-MOD-S	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.4.1	IOS XR 7.4.1
NC57-36H6D-S	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.3.2	IOS XR 7.3.2
NC57-MOD-S	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.8.1	IOS XR 7.8.1
NC57-48Q2D-S	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.5.2	IOS XR 7.5.2

ASR900

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-IMA2C	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 16.11.1	IOS XE 16.11.1

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-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.1.0	
NCS-5001	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.0.0	
NCS-5002	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.0.0	

NCS1000

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
NCS1002-K9	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.0	
NCS1K4-OTN-XP	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.3.1	IOS XR 7.3.1

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-IMA2C	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 16.11.1	