

# Cisco QDD-400G-LR8-S Compatibility Matrix Datasheet



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## Compatible Devices:

15454W  
 NCS5500  
 N9300  
 N3000  
 N9500  
 ASR9000  
 NCS540  
 C9600  
 N9800  
 8000 Series

## 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-20HG-FLEX-SE	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	IOS XR 64 Bit 7.1.15	IOS XR 64 Bit 7.1.15
A9K-20HG-FLEX-TR	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	IOS XR 64 Bit 7.1.15	IOS XR 64 Bit 7.1.15
A9K-8HG-FLEX-SE	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	IOS XR 64 Bit 7.1.15	IOS XR 64 Bit 7.1.15
A9K-8HG-FLEX-TR	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	IOS XR 64 Bit 7.1.15	IOS XR 64 Bit 7.1.15
A9K-20HG-FLEX-FC	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	IOS XR 64 Bit 7.1.15	IOS XR 64 Bit 7.1.15
A9K-8HG-FLEX-FC	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	IOS XR 64 Bit 7.1.15	IOS XR 64 Bit 7.1.15
A9903-20HG-PEC	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	IOS XR 64 Bit 7.1.3	IOS XR 64 Bit 7.1.3
A99-10X400GE-X-TR	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	IOS XR 64 Bit 7.3.1	IOS XR 64 Bit 7.3.1
A99-10X400GE-X-SE	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	IOS XR 64 Bit 7.3.1	IOS XR 64 Bit 7.3.1
A99-4T-FC	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	IOS XR 64 Bit 7.3.1	IOS XR 64 Bit 7.3.1
A9903-20HG-PEC-FC	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	IOS XR 64 Bit 7.1.3	IOS XR 64 Bit 7.1.3

## 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
N540-24Q8L2DD-SYS	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	IOS XR 7.7.1	IOS XR 7.7.1

## 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-1.2T-MXP	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	12.2	12.2

## 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-C3408-S	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	NX-OS 9.3(5)	NX-OS 9.3(5)
N3K-C3432D-S	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	NX-OS 9.3(5)	NX-OS 9.3(5)

## 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	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	NX-OS 10.3(1)	NX-OS 10.3(1)
N9K-X98900CD-A	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	NX-OS 10.4(1)	NX-OS 10.4(1)

Network Device Notes for above line :

- All 400G optics and cables will be supported only on ports [3,6,9,12,15,18,21,27,30,33,36,39,42,45]

## 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	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	IOS XR 7.0.12	IOS XR 7.0.12
8202	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	IOS XR 7.3.1	IOS XR 7.3.1
8800-LC-36FH	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	IOS XR 7.0.12	IOS XR 7.0.12
8201-32FH	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	IOS XR 7.3.15	IOS XR 7.3.15
88-LC0-36FH-M	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	IOS XR 7.3.15	IOS XR 7.3.15
88-LC0-36FH	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	IOS XR 7.3.15	IOS XR 7.3.15
8101-32FH	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	IOS XR 7.3.2	IOS XR 7.3.2
88-LC0-34H14FH	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	IOS XR 7.3.3	IOS XR 7.3.3
8202-32FH-M	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	IOS XR 7.5.2	IOS XR 7.5.2
8201-24H8FH	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	IOS XR 7.5.2	IOS XR 7.5.2
86-MPA-14H2FH-M	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	IOS XR 7.10.1	IOS XR 7.10.1
86-MPA-4FH-M	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	IOS XR 7.10.1	IOS XR 7.10.1

## 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-40YL4CD	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	IOS XE 17.7.1	IOS XE 17.7.1
Network Device Notes for above line : • When in use with C9600X-SUP-2.													
C9600X-LC-32CD	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	IOS XE 17.9.1	IOS XE 17.9.1
Network Device Notes for above line : • When in use with C9600X-SUP-2.													

## 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
NC57-24DD	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	IOS XR 7.0.2	IOS XR 7.0.2
NC57-18DD-SE	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	IOS XR 7.0.2	IOS XR 7.0.2
NCS-57B1-6D24H-S	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	IOS XR 7.7.1	IOS XR 7.7.1
NCS-57B1-5D24-SE	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	IOS XR 7.7.1	IOS XR 7.7.1
NC57-MPA-2D4H-S	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	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	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	IOS XR 7.6.1	IOS XR 7.6.1
Network Device Notes for above line : • In conjunction with NC57-MOD-S platform													
NC57-36H6D-S	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	IOS XR 7.3.2	IOS XR 7.3.2
NCS-57C1-48Q6-SYS	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	IOS XR 7.5.2	IOS XR 7.5.2
NCS-57D2-18DD-S	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	IOS XR 7.8.1	IOS XR 7.8.1
NC57-MPA-1FH1D-S	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	IOS XR 7.8.1	IOS XR 7.8.1
Network Device Notes for above line : • On NCS-57C3-MOD (800G slots) and NC57-MOD													
NC57-48Q2D-S	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	IOS XR 7.10.1	IOS XR 7.10.1
NC57-48Q2D-SE-S	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	IOS XR 7.10.1	IOS XR 7.10.1
NCS-57C1-48Q6D-S	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	IOS XR 7.5.2	IOS XR 7.5.2

## 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-C93600CD-GX	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	NX-OS 9.3(3)	NX-OS 9.3(3)
N9K-C93600CD-GX	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	ACI-N9KDK9-16.0(1g)	ACI-N9KDK9-16.0(1g)
N9K-C9316D-GX	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	NX-OS 9.3(3)	NX-OS 9.3(3)
N9K-C9316D-GX	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	ACI-N9KDK9-16.0(1g)	ACI-N9KDK9-16.0(1g)
N9K-C9332D-GX2B	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	NX-OS 10.2(1q) F	NX-OS 10.2(1q) F
N9K-C9332D-GX2B	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	ACI-N9KDK9-16.0(1g)	ACI-N9KDK9-16.0(1g)
N9K-C9348D-GX2A	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	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-C9348D-GX2A	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	ACI-N9KDK9-16.0(1g)	ACI-N9KDK9-16.0(1g)
N9K-C9364D-GX2A	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	NX-OS 10.2(3) F	NX-OS 10.2(3) F
N9K-C9364D-GX2A	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	ACI-N9KDK9-16.0(1g)	ACI-N9KDK9-16.0(1g)
N9K-C9332D-H2R	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	NX-OS 10.3(1)	NX-OS 10.3(1)
N9K-C9232E-B1	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	NX-OS 10.4(2)F	NX-OS 10.4(2)F
N9K-C93400LD-H1	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	NX-OS 10.4(2)F	NX-OS 10.4(2)F

## 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-X9716D-GX	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	NX-OS 10.1(2)	NX-OS 10.1(2)
N9K-X9716D-GX	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	ACI-N9KDK9-16.0(1g)	ACI-N9KDK9-16.0(1g)
N9K-X9624D-R2	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	NX-OS 10.1(2)	NX-OS 10.1(2)
N9K-X9400-8D	QDD-400G-LR8-S	TMG	400 Gbps	QSFP-DD	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 75C	Y	ACI-N9KDK9-16.0(2h)	ACI-N9KDK9-16.0(2h)