

Cisco QDD-400G-DR4-S Compatibility Matrix Datasheet



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Compatible Devices:

- C9500
- NCS1000
- 15454W
- NCS5500
- N9300
- N3000
- N9500
- ASR9000
- NCS540
- C9600
- N9800
- 8000 Series

ASR9000

Network Device Product ID	Transciever 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-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	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-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	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-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	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-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	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-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	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-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	IOS XR 64 Bit 7.1.15	IOS XR 64 Bit 7.1.15
A9903-20HG-PEC	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	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-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	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-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	IOS XR 64 Bit 7.3.1	IOS XR 64 Bit 7.3.1
A99-4T-FC	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	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-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	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-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	IOS XR 7.4.1	IOS XR 7.4.1

C9500

Network Device Product ID	Transceiver Product ID	Transceiver Business Unit	Data Rate	Form Factor	Reach	Cable Type	Media	Connector Type	Transceiver Type	Case Temp	DOM Capable	Min Software Support	DOM Support
C9500X-28C8D	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	IOS XE 17.8.1	IOS XE 17.8.1
C9500X-60L4D	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	IOS XE 17.10.1	IOS XE 17.10.1

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-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	12.2	12.2

Network Device Notes for above line :

- Breakout with MPO-LC

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-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	NX-OS 9.3(5)	NX-OS 9.3(5)
N3K-C3432D-S	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	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-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	NX-OS 10.3(1)	NX-OS 10.3(1)
N9K-X98900CD-A	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	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]. 4x100G breakout support added from 10.4(3)F

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-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	IOS XR 7.0.12	IOS XR 7.0.12
8202	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	IOS XR 7.3.1	IOS XR 7.3.1
8800-LC-36FH	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	IOS XR 7.0.12	IOS XR 7.0.12
8201-32FH	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	IOS XR 7.3.15	IOS XR 7.3.15

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
88-LC0-36FH-M	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	IOS XR 7.3.15	IOS XR 7.3.15
88-LC0-36FH	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	IOS XR 7.3.15	IOS XR 7.3.15
8101-32FH	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	IOS XR 7.3.2	IOS XR 7.3.2
8202-32FH-M	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	IOS XR 7.5.2	IOS XR 7.5.2
8101-32FH-O	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	SONIC 202012.1.1	SONIC 202012.1.1
8201-24H8FH	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	IOS XR 7.5.2	IOS XR 7.5.2
8111-32EH	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	IOS XR 7.10.1	IOS XR 7.10.1
86-MPA-14H2FH-M	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	IOS XR 7.10.1	IOS XR 7.10.1
86-MPA-4FH-M	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	IOS XR 7.10.1	IOS XR 7.10.1
88-LC1-36EH	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	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-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	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-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	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-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	IOS XR 7.0.2	IOS XR 7.0.2
Network Device Notes for above line : • 100G breakout supported from IOS XR 7.2.1.													
NC57-18DD-SE	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	IOS XR 7.0.2	IOS XR 7.0.2
Network Device Notes for above line : • 100G breakout supported from IOS XR 7.3.1.													
NCS-57B1-6D24H-S	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	IOS XR 7.3.1	IOS XR 7.3.1
NCS-57B1-5D24-SE	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	IOS XR 7.3.1	IOS XR 7.3.1
NC57-MPA-2D4H-S	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	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-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	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-MPA-2D4H-S	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	IOS XR 7.9.1	IOS XR 7.9.1
Network Device Notes for above line : • In conjunction with NC55-MOD. 400G optics only as Nx100G. In 4X100G Breakout Mode to single lambda 100G-QSFP28													
NC57-36H6D-S	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	IOS XR 7.3.2	IOS XR 7.3.2
NC57-MOD-S	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	IOS XR 7.6.1	IOS XR 7.6.1
NCS-57C1-48Q6-SYS	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	IOS XR 7.5.2	IOS XR 7.5.2
NCS-57D2-18DD-S	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	IOS XR 7.8.1	IOS XR 7.8.1

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
NC57-MPA-1FH1D-S	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	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. Breakout not supported													
NC57-48Q2D-S	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	IOS XR 7.10.1	IOS XR 7.10.1
NC57-48Q2D-SE-S	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	IOS XR 7.10.1	IOS XR 7.10.1
NCS-57C1-48Q6D-S	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	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-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	ACI-N9KDK9-14.2(2)	ACI-N9KDK9-14.2(2)
N9K-C93600CD-GX	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	NX-OS 9.3(3)	NX-OS 9.3(3)
N9K-C9316D-GX	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	ACI-N9KDK9-14.2(2)	ACI-N9KDK9-14.2(2)
N9K-C9316D-GX	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	NX-OS 9.3(3)	NX-OS 9.3(3)
N9K-C9332D-GX2B	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	ACI-N9KDK9-15.2(3)	ACI-N9KDK9-15.2(3)
N9K-C9332D-GX2B	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	NX-OS 10.2(1q) F	NX-OS 10.2(1q) F
N9K-C9348D-GX2A	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	ACI-N9KDK9-15.2(5)	ACI-N9KDK9-15.2(5)
N9K-C9348D-GX2A	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	NX-OS 10.2(3) F	NX-OS 10.2(3) F
N9K-C9364D-GX2A	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	ACI-N9KDK9-15.2(5)	ACI-N9KDK9-15.2(5)
N9K-C9364D-GX2A	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	NX-OS 10.2(3) F	NX-OS 10.2(3) F
N9K-C9332D-H2R	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	NX-OS 10.4(1)	NX-OS 10.4(1)
N9K-C9232E-B1	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	NX-OS 10.4(2)F	NX-OS 10.4(2)F
N9K-C9232E-B1	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	NX-OS 10.4(2)F	NX-OS 10.4(2)F
N9K-C93400LD-H1	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	NX-OS 10.4(2)F	NX-OS 10.4(2)F

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
NCS1K4-OTN-XP	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	IOS XR 7.3.2	IOS XR 7.3.2

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-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	ACI-N9KDK9-15.1(1)	ACI-N9KDK9-15.1(1)
N9K-X9716D-GX	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	NX-OS 10.1(1)	NX-OS 10.1(1)
N9K-X9624D-R2	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	NX-OS 10.1(2)	NX-OS 10.1(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-X9400-8D	QDD-400G-DR4-S	TMG	400 Gbps	QSFP-DD	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 75C	Y	ACI-N9KDK9-16.0(2h)	ACI-N9KDK9-16.0(2h)