



Cisco Optics-to-Device Compatibility Matrix Results

Network Device Product Family

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-C92348GC-X	QSFP-100G-SR4-S	TMG	100 Gbps	QSFP28	150m	Parallel Fiber	MMF	MPO-12 (UPC)	Optic	0 to 70C	Y	NX-OS 9.3.1	NX-OS 9.3.1
Transceiver Notes for above line : • OM3: 70m; OM4/OM5: 100m													
N9K-C92348GC-X	QSFP-100G-CWDM4-S	TMG	100 Gbps	QSFP28	2km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 9.3.1	NX-OS 9.3.1
N9K-C92348GC-X	QSFP-100G-PSM4-S	TMG	100 Gbps	QSFP28	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 70C	Y	NX-OS 9.3.1	NX-OS 9.3.1
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
N9K-C92348GC-X	QSFP-100G-SM-SR	TMG	100 Gbps	QSFP28	2km	Duplex Fiber	SMF	LC (UPC)	Optic	10 to 60C	Y	NX-OS 9.3.1	NX-OS 9.3.1
N9K-C92348GC-X	QSFP-40/100-SRBD	TMG	40/100 Gbps	QSFP28	150m	Duplex Fiber	MMF	LC (UPC)	Optic	40G: +10 to +70C / 100G: +10 to +60C	Y	NX-OS 9.3.1	NX-OS 9.3.1
Transceiver Notes for above line : • OM3: 70m; OM4: 100m; OM5: 150m													
N9K-C92348GC-X	QSFP-100G-FR-S	TMG	100 Gbps	QSFP28	2km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 10.2(3)	NX-OS 10.2(3)
N9K-C92348GC-X	QSFP-100G-CU1M	TMG	100 Gbps	QSFP28	1m	Preterminated cable	DAC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
N9K-C92348GC-X	QSFP-100G-CU2M	TMG	100 Gbps	QSFP28	2m	Preterminated cable	DAC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
N9K-C92348GC-X	QSFP-100G-CU3M	TMG	100 Gbps	QSFP28	3m	Preterminated cable	DAC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
N9K-C92348GC-X	QSFP-4SFP25G-CU1M	TMG	100 Gbps	QSFP28	1m	Preterminated cable	DAC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
N9K-C92348GC-X	QSFP-4SFP25G-CU2M	TMG	100 Gbps	QSFP28	2m	Preterminated cable	DAC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
N9K-C92348GC-X	QSFP-4SFP25G-CU3M	TMG	100 Gbps	QSFP28	3m	Preterminated cable	DAC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
N9K-C92348GC-X	QSFP-4SFP25G-CU5M	TMG	100 Gbps	QSFP28	5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
N9K-C92348GC-X	QSFP-100G-AOC1M	TMG	100 Gbps	QSFP28	1m	Preterminated cable	AOC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
N9K-C92348GC-X	QSFP-100G-AOC2M	TMG	100 Gbps	QSFP28	2m	Preterminated cable	AOC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
N9K-C92348GC-X	QSFP-100G-AOC3M	TMG	100 Gbps	QSFP28	3m	Preterminated cable	AOC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
N9K-C92348GC-X	QSFP-100G-AOC5M	TMG	100 Gbps	QSFP28	5m	Preterminated cable	AOC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
N9K-C92348GC-X	QSFP-100G-AOC7M	TMG	100 Gbps	QSFP28	7m	Preterminated cable	AOC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
N9K-C92348GC-X	QSFP-100G-AOC10M	TMG	100 Gbps	QSFP28	10m	Preterminated cable	AOC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
N9K-C92348GC-X	QSFP-100G-AOC15M	TMG	100 Gbps	QSFP28	15m	Preterminated cable	AOC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
N9K-C92348GC-X	SFP-H25G-CU1M	TMG	25 Gbps	SFP28	1m	Preterminated cable	DAC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
N9K-C92348GC-X	SFP-H25G-CU2M	TMG	25 Gbps	SFP28	2m	Preterminated cable	DAC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
N9K-C92348GC-X	SFP-H25G-CU3M	TMG	25 Gbps	SFP28	3m	Preterminated cable	DAC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
N9K-C92348GC-X	SFP-H25G-CU5M	TMG	25 Gbps	SFP28	5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
N9K-C92348GC-X	SFP-25G-AOC1M	TMG	25 Gbps	SFP28	1m	Preterminated cable	AOC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
N9K-C92348GC-X	SFP-25G-AOC2M	TMG	25 Gbps	SFP28	2m	Preterminated cable	AOC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
N9K-C92348GC-X	SFP-25G-AOC3M	TMG	25 Gbps	SFP28	3m	Preterminated cable	AOC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
N9K-C92348GC-X	SFP-25G-AOC5M	TMG	25 Gbps	SFP28	5m	Preterminated cable	AOC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
N9K-C92348GC-X	SFP-25G-AOC7M	TMG	25 Gbps	SFP28	7m	Preterminated cable	AOC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
N9K-C92348GC-X	SFP-25G-AOC10M	TMG	25 Gbps	SFP28	10m	Preterminated cable	AOC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—

Network Device Product ID	Transceiver Product ID	Transceiver Business Unit	Data Rate	Form Factor	Reach	Cable Type	Media	Connector Type	Transceiver Type	Case Temp	DOM Capable	Min Software Support	DOM Support
N9K-C92348GC-X	SFP-25G-SR-S	TMG	25 Gbps	SFP28	100m	Duplex Fiber	MMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 9.3.1	NX-OS 9.3.1
Transceiver Notes for above line : • OM3: 70m; OM4/OM5: 100m													
N9K-C92348GC-X	SFP-10G-SR	TMG	10 Gbps	SFP+	400m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	NX-OS 9.3.1	NX-OS 9.3.1
Network Device Notes for above line : • For QSFP Ports: QSA (CVR-QSFP-SFP10G) required. Transceiver Notes for above line : • FDDI: 26m; OM1: 33m; OM2: 82m; OM3: 300m; OM4/OM5: 400m													
N9K-C92348GC-X	SFP-10G-SR-S	TMG	10 Gbps	SFP+	400m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	NX-OS 9.3.1	NX-OS 9.3.1
Network Device Notes for above line : • For QSFP Ports: QSA (CVR-QSFP-SFP10G) required. Transceiver Notes for above line : • FDDI: 26m; OM1: 33m; OM2: 82m; OM3: 300m; OM4/OM5: 400m													
N9K-C92348GC-X	SFP-10G-LRM	TMG	10 Gbps	SFP+	220m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	NX-OS 10.1.1	NX-OS 10.1.1
Transceiver Notes for above line : • SFP-10G-LRM can be used on SMF with a maximum reach of 300m													
N9K-C92348GC-X	SFP-10G-LR	TMG	10 Gbps	SFP+	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	NX-OS 9.3.1	NX-OS 9.3.1
Network Device Notes for above line : • For QSFP Ports: QSA (CVR-QSFP-SFP10G) required.													
N9K-C92348GC-X	SFP-10G-LR-S	TMG	10 Gbps	SFP+	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	NX-OS 9.3.1	NX-OS 9.3.1
Network Device Notes for above line : • For QSFP Ports: QSA (CVR-QSFP-SFP10G) required.													
N9K-C92348GC-X	SFP-10G-ER	TMG	10 Gbps	SFP+	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	NX-OS 10.1.1	NX-OS 10.1.1
N9K-C92348GC-X	SFP-10G-ER-S	TMG	10 Gbps	SFP+	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	NX-OS 10.1.1	NX-OS 10.1.1
N9K-C92348GC-X	SFP-H10GB-CU1M	TMG	10 Gbps	SFP+	1m	Preterminated cable	DAC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
Network Device Notes for above line : • For QSFP Ports: QSA (CVR-QSFP-SFP10G) required. Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
N9K-C92348GC-X	SFP-H10GB-CU3M	TMG	10 Gbps	SFP+	3m	Preterminated cable	DAC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
Network Device Notes for above line : • For QSFP Ports: QSA (CVR-QSFP-SFP10G) required. Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
N9K-C92348GC-X	SFP-H10GB-CU5M	TMG	10 Gbps	SFP+	5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
Network Device Notes for above line : • For QSFP Ports: QSA (CVR-QSFP-SFP10G) required. Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
N9K-C92348GC-X	SFP-10G-AOC1M	TMG	10 Gbps	SFP+	1m	Preterminated cable	AOC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
Network Device Notes for above line : • For QSFP Ports: QSA (CVR-QSFP-SFP10G) required.													
N9K-C92348GC-X	SFP-10G-AOC2M	TMG	10 Gbps	SFP+	2m	Preterminated cable	AOC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
Network Device Notes for above line : • For QSFP Ports: QSA (CVR-QSFP-SFP10G) required.													
N9K-C92348GC-X	SFP-10G-AOC3M	TMG	10 Gbps	SFP+	3m	Preterminated cable	AOC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
Network Device Notes for above line : • For QSFP Ports: QSA (CVR-QSFP-SFP10G) required.													
N9K-C92348GC-X	SFP-10G-AOC5M	TMG	10 Gbps	SFP+	5m	Preterminated cable	AOC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
Network Device Notes for above line : • For QSFP Ports: QSA (CVR-QSFP-SFP10G) required.													
N9K-C92348GC-X	SFP-10G-AOC7M	TMG	10 Gbps	SFP+	7m	Preterminated cable	AOC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
Network Device Notes for above line : • For QSFP Ports: QSA (CVR-QSFP-SFP10G) required.													
N9K-C92348GC-X	SFP-10G-AOC10M	TMG	10 Gbps	SFP+	10m	Preterminated cable	AOC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
Network Device Notes for above line : • For QSFP Ports: QSA (CVR-QSFP-SFP10G) required.													
N9K-C92348GC-X	DWDM-SFP10G-XX.XX	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	NX-OS 10.1.1	NX-OS 10.1.1

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 : • For QSFP Ports: QSA (CVR-QSFP-SFP10G) required.													
N9K-C92348GC-X	GLC-TE	TMG	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	-5 to 85C		NX-OS 9.3.1	—
Network Device Notes for above line : • Supports only 1000BASE-T. For QSFP Ports: QSA (CVR-QSFP-SFP10G) required.													
N9K-C92348GC-X	QSFP-40G-SR4	TMG	40 Gbps	QSFP+	150m	Parallel Fiber	MMF	MPO-12 (UPC)	Optic	0 to 70C	Y	NX-OS 9.3.1	NX-OS 9.3.1
Transceiver Notes for above line : • OM2: 30m; OM3: 100m; OM4/OM5: 150m • DOM support for V03 or later													
N9K-C92348GC-X	QSFP-40G-CSR4	TMG	40 Gbps	QSFP+	400m	Parallel Fiber	MMF	MPO-12 (UPC)	Optic	0 to 70C	Y	NX-OS 9.3.1	NX-OS 9.3.1
Transceiver Notes for above line : • OM2: 82m; OM3: 300m; OM4/OM5: 400m • DOM support for V02 or later													
N9K-C92348GC-X	QSFP-40G-SR4-S	TMG	40 Gbps	QSFP+	150m	Parallel Fiber	MMF	MPO-12 (UPC)	Optic	0 to 70C	Y	NX-OS 9.3.1	NX-OS 9.3.1
Transceiver Notes for above line : • OM3: 100m; OM4/OM5: 150m • DOM support for V02 or later													
N9K-C92348GC-X	QSFP-40G-SR-BD	TMG	40 Gbps	QSFP+	150m	Duplex Fiber	MMF	LC (UPC)	Optic	10 to 70C		NX-OS 9.3.1	—
Transceiver Notes for above line : • OM2: 30m; OM3: 100m; OM4/OM5: 150m													
N9K-C92348GC-X	QSFP-40G-LR4-S	TMG	40 Gbps	QSFP+	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 9.3.1	NX-OS 9.3.1
N9K-C92348GC-X	QSFP-40G-LR4	TMG	40 Gbps	QSFP+	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 9.3.1	NX-OS 9.3.1
N9K-C92348GC-X	WSP-Q40GLR4L	TMG	40 Gbps	QSFP+	2km	Duplex Fiber	SMF	LC (UPC)	Optic	10 to 60C	Y	NX-OS 9.3.1	NX-OS 9.3.1
N9K-C92348GC-X	QSFP-4SFP10G-CU5M	TMG	40 Gbps	QSFP+	5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
N9K-C92348GC-X	QSFP-4SFP10G-CU3M	TMG	40 Gbps	QSFP+	3m	Preterminated cable	DAC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
N9K-C92348GC-X	QSFP-4SFP10G-CU1M	TMG	40 Gbps	QSFP+	1m	Preterminated cable	DAC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
N9K-C92348GC-X	QSFP-H40G-CU5M	TMG	40 Gbps	QSFP+	5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
N9K-C92348GC-X	QSFP-H40G-CU3M	TMG	40 Gbps	QSFP+	3m	Preterminated cable	DAC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
N9K-C92348GC-X	QSFP-H40G-CU1M	TMG	40 Gbps	QSFP+	1m	Preterminated cable	DAC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
N9K-C92348GC-X	QSFP-H40G-AOC1M	TMG	40 Gbps	QSFP+	1m	Preterminated cable	AOC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
N9K-C92348GC-X	QSFP-H40G-AOC2M	TMG	40 Gbps	QSFP+	2m	Preterminated cable	AOC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
N9K-C92348GC-X	QSFP-H40G-AOC3M	TMG	40 Gbps	QSFP+	3m	Preterminated cable	AOC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
N9K-C92348GC-X	QSFP-H40G-AOC5M	TMG	40 Gbps	QSFP+	5m	Preterminated cable	AOC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
N9K-C92348GC-X	QSFP-H40G-AOC7M	TMG	40 Gbps	QSFP+	7m	Preterminated cable	AOC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
N9K-C92348GC-X	QSFP-H40G-AOC10M	TMG	40 Gbps	QSFP+	10m	Preterminated cable	AOC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
N9K-C92348GC-X	QSFP-H40G-AOC15M	TMG	40 Gbps	QSFP+	15m	Preterminated cable	AOC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
N9K-C92348GC-X	GLC-SX-MMD	TMG	1 Gbps	SFP	1000m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	-5 to 85C	Y	NX-OS 9.3.1	NX-OS 9.3.1
Network Device Notes for above line : • For QSFP Ports: QSA (CVR-QSFP-SFP10G) required.													
Transceiver Notes for above line : • FDDI: 220m; OM1: 275m; OM2: 550m; OM3, OM4/OM5: 1000m													
N9K-C92348GC-X	GLC-LH-SMD	TMG	1 Gbps	SFP	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	NX-OS 9.3.1	NX-OS 9.3.1
Network Device Notes for above line : • For QSFP Ports: QSA (CVR-QSFP-SFP10G) required.													
Transceiver Notes for above line : • GLC-LH-SMD can be used on MMF with a maximum reach of 550m • LC mode-conditioning cable required for MMF applications													
N9K-C92348GC-X	SFP-H10GB-CU2M	TMG	10 Gbps	SFP+	2m	Preterminated cable	DAC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
Network Device Notes for above line : • For QSFP Ports: QSA (CVR-QSFP-SFP10G) required.													
N9K-C92348GC-X	QSFP-4SFP10G-CU2M	TMG	40 Gbps	QSFP+	2m	Preterminated cable	DAC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
N9K-C92348GC-X	QSFP-4SFP10G-CU4M	TMG	40 Gbps	QSFP+	4m	Preterminated cable	DAC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
N9K-C92348GC-X	QSFP-H40G-CU2M	TMG	40 Gbps	QSFP+	2m	Preterminated cable	DAC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
N9K-C92348GC-X	QSFP-H40G-CU4M	TMG	40 Gbps	QSFP+	4m	Preterminated cable	DAC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—

Network Device Product ID	Transceiver Product ID	Transceiver Business Unit	Data Rate	Form Factor	Reach	Cable Type	Media	Connector Type	Transceiver Type	Case Temp	DOM Capable	Min Software Support	DOM Support
N9K-C92348GC-X	SFP-10/25G-LR-S	TMG	10/25 Gbps	SFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 9.3.1	NX-OS 9.3.1
N9K-C92348GC-X	QSFP-4SFP10-CU0-5	TMG	40 Gbps	QSFP+	0.5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		NX-OS 9.3.1	—
N9K-C92348GC-X	QSFP-100G-DR-S	TMG	100 Gbps	QSFP28	500m	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 10.2(3)	NX-OS 10.2(3)
N9K-C92348GC-X	QSFP-100G-LR-S	TMG	100 Gbps	QSFP28	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 10.2(3)	NX-OS 10.2(3)
N9K-C92348GC-X	QSFP-100G-ERL-S	TMG	100 Gbps	QSFP28	25km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 10.3(2)	NX-OS 10.3(2)

Transceiver Notes for above line :

- 20 km reach (25km with engineered link, with total loss upto 10.3 dB)

N9K-C92348GC-X	QSFP-100G-ZR4-S	TMG	100 Gbps	QSFP28	80km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 10.4(1)	NX-OS 10.4(1)
N9K-C92348GC-X	QSFP-100G-SL4	TMG	100 Gbps	QSFP28	30m	Parallel Fiber	MMF	MPO-12 (UPC)	Optic	0 to 70C	Y	NX-OS 10.4(1)	NX-OS 10.4(1)

Transceiver Notes for above line :

- OM3: 20m; OM4/OM5: 30m

N9K-C92348GC-X	QSFP-100G-SR1.2	TMG	100 Gbps	QSFP28	150m	Duplex Fiber	MMF	LC (UPC)	Optic	100G: +10 to +60C	Y	NX-OS 10.3(1)	NX-OS 10.3(1)
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Network Device Notes for above line :

- QSFP-100G-SR1.2 can also be supported using NX-OS 9.3(9) + SMU. Please see <https://software.cisco.com/download/specialrelease/1c9f00116d46f24b7a452c9bf378204b>

Transceiver Notes for above line :

- OM3: 70m; OM4: 100m; OM5: 150m