



# Cisco Optics-to-Device Compatibility Matrix Results

## Network Device Product Family

### 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-C6001-64P	SFP-10G-SR	TMG	10 Gbps	SFP+	400m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	NX-OS 6.0(2)N2(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													
N6K-C6001-64P	SFP-10G-LR	TMG	10 Gbps	SFP+	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	NX-OS 6.0(2)N2(1)	
Network Device Notes for above line : • For QSFP Ports: QSA (CVR-QSFP-SFP10G) required.													
N6K-C6001-64P	SFP-10G-ER	TMG	10 Gbps	SFP+	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	NX-OS 6.0(2)N2(1)	
Network Device Notes for above line : • For QSFP Ports: QSA (CVR-QSFP-SFP10G) required.													
N6K-C6001-64P	SFP-H10GB-CU1M	TMG	10 Gbps	SFP+	1m	Preterminated cable	DAC	N/A	Cable	0 to 70C		NX-OS 6.0(2)N1(2)	—
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													
N6K-C6001-64P	SFP-H10GB-CU3M	TMG	10 Gbps	SFP+	3m	Preterminated cable	DAC	N/A	Cable	0 to 70C		NX-OS 6.0(2)N1(2)	—
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													
N6K-C6001-64P	SFP-H10GB-CU5M	TMG	10 Gbps	SFP+	5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		NX-OS 6.0(2)N1(2)	—
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													
N6K-C6001-64P	SFP-H10GB-ACU7M	TMG	10 Gbps	SFP+	7m	Preterminated cable	DAC	N/A	Cable	0 to 70C		NX-OS 7.0(0)N1(1)	—
Network Device Notes for above line : • For QSFP Ports: QSA (CVR-QSFP-SFP10G) required.													
N6K-C6001-64P	SFP-H10GB-ACU10M	TMG	10 Gbps	SFP+	10m	Preterminated cable	DAC	N/A	Cable	0 to 70C		NX-OS 7.0(0)N1(1)	—
Network Device Notes for above line : • For QSFP Ports: QSA (CVR-QSFP-SFP10G) required.													
N6K-C6001-64P	SFP-10G-AOC1M	TMG	10 Gbps	SFP+	1m	Preterminated cable	AOC	N/A	Cable	0 to 70C		NX-OS 7.0(0)N1(1)	—
Network Device Notes for above line : • For QSFP Ports: QSA (CVR-QSFP-SFP10G) required.													
N6K-C6001-64P	SFP-10G-AOC2M	TMG	10 Gbps	SFP+	2m	Preterminated cable	AOC	N/A	Cable	0 to 70C		NX-OS 7.0(0)N1(1)	—
Network Device Notes for above line : • For QSFP Ports: QSA (CVR-QSFP-SFP10G) required.													
N6K-C6001-64P	SFP-10G-AOC3M	TMG	10 Gbps	SFP+	3m	Preterminated cable	AOC	N/A	Cable	0 to 70C		NX-OS 7.0(0)N1(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.													
N6K-C6001-64P	SFP-10G-AOC5M	TMG	10 Gbps	SFP+	5m	Preterminated cable	AOC	N/A	Cable	0 to 70C		NX-OS 7.0(0)N1(1)	—
Network Device Notes for above line : • For QSFP Ports: QSA (CVR-QSFP-SFP10G) required.													
N6K-C6001-64P	SFP-10G-AOC7M	TMG	10 Gbps	SFP+	7m	Preterminated cable	AOC	N/A	Cable	0 to 70C		NX-OS 7.0(0)N1(1)	—
Network Device Notes for above line : • For QSFP Ports: QSA (CVR-QSFP-SFP10G) required.													
N6K-C6001-64P	SFP-10G-AOC10M	TMG	10 Gbps	SFP+	10m	Preterminated cable	AOC	N/A	Cable	0 to 70C		NX-OS 7.0(0)N1(1)	—
Network Device Notes for above line : • For QSFP Ports: QSA (CVR-QSFP-SFP10G) required.													
N6K-C6001-64P	FET-10G	TMG	10 Gbps	SFP+	100m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C		NX-OS 6.0(2)N2(1)	—
Network Device Notes for above line : • For QSFP Ports: QSA (CVR-QSFP-SFP10G) required.													
N6K-C6001-64P	GLC-T	TMG	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	0 to 70C		NX-OS 6.0(2)N2(1)	—
Network Device Notes for above line : • For QSFP Ports: QSA (CVR-QSFP-SFP10G) required.													
N6K-C6001-64P	QSFP-40G-SR4	TMG	40 Gbps	QSFP+	150m	Parallel Fiber	MMF	MPO-12 (UPC)	Optic	0 to 70C	Y	NX-OS 6.0(2)N1(2)	—
Transceiver Notes for above line : • OM2: 30m; OM3: 100m; OM4/OM5: 150m • DOM support for V03 or later													
N6K-C6001-64P	QSFP-40G-CSR4	TMG	40 Gbps	QSFP+	400m	Parallel Fiber	MMF	MPO-12 (UPC)	Optic	0 to 70C	Y	NX-OS 6.0(2)N1(2)	—
Transceiver Notes for above line : • OM2: 82m; OM3: 300m; OM4/OM5: 400m • DOM support for V02 or later													
N6K-C6001-64P	QSFP-40G-SR4-S	TMG	40 Gbps	QSFP+	150m	Parallel Fiber	MMF	MPO-12 (UPC)	Optic	0 to 70C	Y	NX-OS 6.0(2)N1(2)	—
Transceiver Notes for above line : • OM3: 100m; OM4/OM5: 150m • DOM support for V02 or later													
N6K-C6001-64P	QSFP-40G-SR-BD	TMG	40 Gbps	QSFP+	150m	Duplex Fiber	MMF	LC (UPC)	Optic	10 to 70C		NX-OS 6.0(2)N2(4)	—
Transceiver Notes for above line : • OM2: 30m; OM3: 100m; OM4/OM5: 150m													
N6K-C6001-64P	QSFP-4X10G-LR-S	TMG	40 Gbps	QSFP+	10km	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 70C	Y	NX-OS 7.3(1)N1(1)	—
N6K-C6001-64P	QSFP-40G-LR4-S	TMG	40 Gbps	QSFP+	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 6.0(2)N1(2)	—
N6K-C6001-64P	QSFP-40G-LR4	TMG	40 Gbps	QSFP+	10km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 6.0(2)N1(2)	—
N6K-C6001-64P	QSFP-4SFP10G-CU5M	TMG	40 Gbps	QSFP+	5m	Preterminated breakout cable	DAC	N/A	Cable	0 to 70C		NX-OS 6.0(2)N1(2)	—
N6K-C6001-64P	QSFP-4SFP10G-CU3M	TMG	40 Gbps	QSFP+	3m	Preterminated breakout cable	DAC	N/A	Cable	0 to 70C		NX-OS 6.0(2)N1(2)	—
N6K-C6001-64P	QSFP-4SFP10G-CU1M	TMG	40 Gbps	QSFP+	1m	Preterminated breakout cable	DAC	N/A	Cable	0 to 70C		NX-OS 6.0(2)N1(2)	—
N6K-C6001-64P	QSFP-4X10G-AC7M	TMG	40 Gbps	QSFP+	7m	Preterminated breakout cable	DAC	N/A	Cable	0 to 70C		NX-OS 6.0(2)N1(2)	—
N6K-C6001-64P	QSFP-4X10G-AC10M	TMG	40 Gbps	QSFP+	10m	Preterminated breakout cable	DAC	N/A	Cable	0 to 70C		NX-OS 6.0(2)N1(2)	—
N6K-C6001-64P	QSFP-H40G-CU5M	TMG	40 Gbps	QSFP+	5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		NX-OS 6.0(2)N1(2)	—
N6K-C6001-64P	QSFP-H40G-CU3M	TMG	40 Gbps	QSFP+	3m	Preterminated cable	DAC	N/A	Cable	0 to 70C		NX-OS 6.0(2)N1(2)	—
N6K-C6001-64P	QSFP-H40G-CU1M	TMG	40 Gbps	QSFP+	1m	Preterminated cable	DAC	N/A	Cable	0 to 70C		NX-OS 6.0(2)N1(2)	—
N6K-C6001-64P	QSFP-H40G-ACU7M	TMG	40 Gbps	QSFP+	7m	Preterminated cable	DAC	N/A	Cable	0 to 70C		NX-OS 6.0(2)N1(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
N6K-C6001-64P	QSFP-H40G-ACU10M	TMG	40 Gbps	QSFP+	10m	Preterminated cable	DAC	N/A	Cable	0 to 70C		NX-OS 6.0(2)N1(2)	—
N6K-C6001-64P	QSFP-4X10G-AOC1M	TMG	40 Gbps	QSFP+	1m	Preterminated breakout cable	AOC	N/A	Cable	0 to 70C		NX-OS 7.0(0)N1(1)	—
N6K-C6001-64P	QSFP-4X10G-AOC2M	TMG	40 Gbps	QSFP+	2m	Preterminated breakout cable	AOC	N/A	Cable	0 to 70C		NX-OS 7.0(0)N1(1)	—
N6K-C6001-64P	QSFP-4X10G-AOC3M	TMG	40 Gbps	QSFP+	3m	Preterminated breakout cable	AOC	N/A	Cable	0 to 70C		NX-OS 7.0(0)N1(1)	—
N6K-C6001-64P	QSFP-4X10G-AOC5M	TMG	40 Gbps	QSFP+	5m	Preterminated breakout cable	AOC	N/A	Cable	0 to 70C		NX-OS 7.0(0)N1(1)	—
N6K-C6001-64P	QSFP-4X10G-AOC7M	TMG	40 Gbps	QSFP+	7m	Preterminated breakout cable	AOC	N/A	Cable	0 to 70C		NX-OS 7.0(0)N1(1)	—
N6K-C6001-64P	QSFP-4X10G-AOC10M	TMG	40 Gbps	QSFP+	10m	Preterminated breakout cable	AOC	N/A	Cable	0 to 70C		NX-OS 7.0(0)N1(1)	—
N6K-C6001-64P	QSFP-H40G-AOC1M	TMG	40 Gbps	QSFP+	1m	Preterminated cable	AOC	N/A	Cable	0 to 70C		NX-OS 7.0(0)N1(1)	—
N6K-C6001-64P	QSFP-H40G-AOC2M	TMG	40 Gbps	QSFP+	2m	Preterminated cable	AOC	N/A	Cable	0 to 70C		NX-OS 7.0(0)N1(1)	—
N6K-C6001-64P	QSFP-H40G-AOC3M	TMG	40 Gbps	QSFP+	3m	Preterminated cable	AOC	N/A	Cable	0 to 70C		NX-OS 7.0(0)N1(1)	—
N6K-C6001-64P	QSFP-H40G-AOC5M	TMG	40 Gbps	QSFP+	5m	Preterminated cable	AOC	N/A	Cable	0 to 70C		NX-OS 7.0(0)N1(1)	—
N6K-C6001-64P	QSFP-H40G-AOC7M	TMG	40 Gbps	QSFP+	7m	Preterminated cable	AOC	N/A	Cable	0 to 70C		NX-OS 7.0(0)N1(1)	—
N6K-C6001-64P	QSFP-H40G-AOC10M	TMG	40 Gbps	QSFP+	10m	Preterminated cable	AOC	N/A	Cable	0 to 70C		NX-OS 7.0(0)N1(1)	—
N6K-C6001-64P	SFP-GE-T	TMG	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	-5 to 85C		NX-OS 6.0(2)N1(2)	—

Network Device Notes for above line :

- For QSFP Ports: QSA (CVR-QSFP-SFP10G) required.

N6K-C6001-64P	GLC-SX-MMD	TMG	1 Gbps	SFP	1000m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	-5 to 85C	Y	NX-OS 6.0(2)N1(2)	
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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

N6K-C6001-64P	GLC-LH-SMD	TMG	1 Gbps	SFP	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	NX-OS 6.0(2)N1(2)	
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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

N6K-C6001-64P	SFP-H10GB-CU1-5M	TMG	10 Gbps	SFP+	1.5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		NX-OS 6.0(2)N1(2)	—
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Network Device Notes for above line :

- For QSFP Ports: QSA (CVR-QSFP-SFP10G) required.

N6K-C6001-64P	SFP-H10GB-CU2M	TMG	10 Gbps	SFP+	2m	Preterminated cable	DAC	N/A	Cable	0 to 70C		NX-OS 6.0(2)N1(2)	—
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Network Device Notes for above line :

- For QSFP Ports: QSA (CVR-QSFP-SFP10G) required.

N6K-C6001-64P	SFP-H10GB-CU2-5M	TMG	10 Gbps	SFP+	2.5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		NX-OS 6.0(2)N1(2)	—
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Network Device Notes for above line :

- For QSFP Ports: QSA (CVR-QSFP-SFP10G) required.