



# Cisco Optics-to-Device Compatibility Matrix Results

## Network Device Product Family

### 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
C9500-48Y4C	QSFP-100G-SR4-S	TMG	100 Gbps	QSFP2 8	100m	Parallel Fiber	MMF	MPO-12 (UPC)	Optic	0 to 70C	Y	IOS XE 16.8.1	IOS XE 16.8.1
Transceiver Notes for above line : • OM3: 70m; OM4/OM5: 100m													
C9500-48Y4C	QSFP-100G-CWDM4-S	TMG	100 Gbps	QSFP2 8	2km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 16.8.1	IOS XE 16.8.1
C9500-48Y4C	QSFP-100G-PSM4-S	TMG	100 Gbps	QSFP2 8	500m	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 70C	Y	IOS XE 16.8.1	IOS XE 16.8.1
C9500-48Y4C	QSFP-100G-LR4-S	TMG	100 Gbps	QSFP2 8	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-SM-SR	TMG	100 Gbps	QSFP2 8	2km	Duplex Fiber	SMF	LC (UPC)	Optic	10 to 60C	Y	IOS XE 16.8.1	IOS XE 16.8.1
C9500-48Y4C	QSFP-100G-ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 16.11.1	IOS XE 16.11.1
Transceiver Notes for above line : • 40km (with host FEC), 30km (without host FEC) • V01 of QSFP-100G-ER4L-S allows Tx Power range with +4.5 (Max) to -2.9 (Min) and Rx Power range with -4.9 (Max) to -19.9 (Min)													
C9500-48Y4C	QSFP-40/100-SRBD	TMG	40/100 Gbps	QSFP2 8	100m	Duplex Fiber	MMF	LC (UPC)	Optic	40G: +10 to +70C / 100G: +10 to +60C	Y	IOS XE 16.12.1	IOS XE 16.12.1
Network Device Notes for above line : • Support only 40G speed for 16.11.1													
Transceiver Notes for above line : • OM3: 70m; OM4/OM5: 100m													
C9500-48Y4C	QSFP-100G-FR-S	TMG	100 Gbps	QSFP2 8	2km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 17.6.2	IOS XE 17.6.2
C9500-48Y4C	QSFP-100G-CU1M	TMG	100 Gbps	QSFP2 8	1m	Preterminated cable	DAC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
Network Device Notes for above line : • The 100G DAC can only be supported when auto-negotiation is disabled and C9500-48Y4C switches are configured 'back-to-back'.													
C9500-48Y4C	QSFP-100G-CU2M	TMG	100 Gbps	QSFP2 8	2m	Preterminated cable	DAC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
Network Device Notes for above line : • The 100G DAC can only be supported when auto-negotiation is disabled and C9500-48Y4C switches are configured 'back-to-back'.													
C9500-48Y4C	QSFP-100G-CU3M	TMG	100 Gbps	QSFP2 8	3m	Preterminated cable	DAC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
Network Device Notes for above line : • The 100G DAC can only be supported when auto-negotiation is disabled and C9500-48Y4C switches are configured 'back-to-back'.													
C9500-48Y4C	QSFP-100G-CU5M	TMG	100 Gbps	QSFP2 8	5m	Preterminated cable	DAC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
Network Device Notes for above line : • The 100G DAC can only be supported when auto-negotiation is disabled and C9500-48Y4C switches are configured 'back-to-back'.													
C9500-48Y4C	QSFP-100G-AOC1M	TMG	100 Gbps	QSFP2 8	1m	Preterminated cable	AOC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
C9500-48Y4C	QSFP-100G-AOC2M	TMG	100 Gbps	QSFP2 8	2m	Preterminated cable	AOC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
C9500-48Y4C	QSFP-100G-AOC3M	TMG	100 Gbps	QSFP2 8	3m	Preterminated cable	AOC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
C9500-48Y4C	QSFP-100G-AOC5M	TMG	100 Gbps	QSFP2 8	5m	Preterminated cable	AOC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
C9500-48Y4C	QSFP-100G-AOC7M	TMG	100 Gbps	QSFP2 8	7m	Preterminated cable	AOC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
C9500-48Y4C	QSFP-100G-AOC10M	TMG	100 Gbps	QSFP2 8	10m	Preterminated cable	AOC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
C9500-48Y4C	QSFP-100G-AOC15M	TMG	100 Gbps	QSFP2 8	15m	Preterminated cable	AOC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
C9500-48Y4C	QSFP-100G-AOC20M	TMG	100 Gbps	QSFP2 8	20m	Preterminated cable	AOC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
C9500-48Y4C	QSFP-100G-AOC25M	TMG	100 Gbps	QSFP2 8	25m	Preterminated cable	AOC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
C9500-48Y4C	QSFP-100G-AOC30M	TMG	100 Gbps	QSFP2 8	30m	Preterminated cable	AOC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—

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
C9500-48Y4C	GLC-GE-100FX	TMG	100 Mbps	SFP	2km	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	N	IOS XE 16.12.1	—
<b>Network Device Notes for above line :</b> • For GLC-GE-100FX, only version 2 (V02) and above will be supported.													
C9500-48Y4C	SFP-H25G-CU1M	TMG	25 Gbps	SFP28	1m	Preterminated cable	DAC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
C9500-48Y4C	SFP-H25G-CU2M	TMG	25 Gbps	SFP28	2m	Preterminated cable	DAC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
C9500-48Y4C	SFP-H25G-CU3M	TMG	25 Gbps	SFP28	3m	Preterminated cable	DAC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
C9500-48Y4C	SFP-H25G-CU5M	TMG	25 Gbps	SFP28	5m	Preterminated cable	DAC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
C9500-48Y4C	SFP-25G-AOC1M	TMG	25 Gbps	SFP28	1m	Preterminated cable	AOC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
C9500-48Y4C	SFP-25G-AOC2M	TMG	25 Gbps	SFP28	2m	Preterminated cable	AOC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
C9500-48Y4C	SFP-25G-AOC3M	TMG	25 Gbps	SFP28	3m	Preterminated cable	AOC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
C9500-48Y4C	SFP-25G-AOC5M	TMG	25 Gbps	SFP28	5m	Preterminated cable	AOC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
C9500-48Y4C	SFP-25G-AOC7M	TMG	25 Gbps	SFP28	7m	Preterminated cable	AOC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
C9500-48Y4C	SFP-25G-AOC10M	TMG	25 Gbps	SFP28	10m	Preterminated cable	AOC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
C9500-48Y4C	SFP-25G-SR-S	TMG	25 Gbps	SFP28	100m	Duplex Fiber	MMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 16.8.1	IOS XE 16.8.1
<b>Transceiver Notes for above line :</b> • OM3: 70m; OM4/OM5: 100m													
C9500-48Y4C	SFP-10G-SR	TMG	10 Gbps	SFP+	400m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS XE 16.8.1	IOS XE 16.8.1
<b>Network Device Notes for above line :</b> • SFP Ports 1-48 <b>Transceiver Notes for above line :</b> • FDDI: 26m; OM1: 33m; OM2: 82m; OM3: 300m; OM4/OM5: 400m													
C9500-48Y4C	SFP-10G-SR	TMG	10 Gbps	SFP+	400m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS XE 16.9.1	IOS XE 16.9.1
<b>Network Device Notes for above line :</b> • SFP Ports 1-48; QSFP Ports 49-52: QSA (CVR-QSFP-SFP10G) required. <b>Transceiver Notes for above line :</b> • FDDI: 26m; OM1: 33m; OM2: 82m; OM3: 300m; OM4/OM5: 400m													
C9500-48Y4C	SFP-10G-SR-S	TMG	10 Gbps	SFP+	400m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS XE 16.8.1	IOS XE 16.8.1
<b>Network Device Notes for above line :</b> • SFP Ports 1-48 <b>Transceiver Notes for above line :</b> • FDDI: 26m; OM1: 33m; OM2: 82m; OM3: 300m; OM4/OM5: 400m													
C9500-48Y4C	SFP-10G-SR-S	TMG	10 Gbps	SFP+	400m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS XE 16.9.1	IOS XE 16.9.1
<b>Network Device Notes for above line :</b> • SFP Ports 1-48; QSFP Ports 49-52: QSA (CVR-QSFP-SFP10G) required. <b>Transceiver Notes for above line :</b> • FDDI: 26m; OM1: 33m; OM2: 82m; OM3: 300m; OM4/OM5: 400m													
C9500-48Y4C	SFP-10G-SR-X	TMG	10 Gbps	SFP+	400m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS XE 16.11.1	IOS XE 16.11.1
<b>Network Device Notes for above line :</b> • SFP Ports 1-48 <b>Transceiver Notes for above line :</b> • FDDI: 26m; OM1: 33m; OM2: 82m; OM3: 300m; OM4/OM5: 400m													
C9500-48Y4C	SFP-10G-LRM	TMG	10 Gbps	SFP+	220m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS XE 17.4.1	IOS XE 17.4.1
<b>Network Device Notes for above line :</b> • SFP Ports 1-48. Up to 150m reach on OM1 and OM2 fibres. <b>Transceiver Notes for above line :</b> • SFP-10G-LRM can be used on SMF with a maximum reach of 300m													
C9500-48Y4C	SFP-10G-LR	TMG	10 Gbps	SFP+	10Km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS XE 16.8.1	IOS XE 16.8.1
<b>Network Device Notes for above line :</b> • SFP Ports 1-48													
C9500-48Y4C	SFP-10G-LR	TMG	10 Gbps	SFP+	10Km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS XE 16.9.1	IOS XE 16.9.1
<b>Network Device Notes for above line :</b> • SFP Ports 1-48; QSFP Ports 49-52: QSA (CVR-QSFP-SFP10G) required.													
C9500-48Y4C	SFP-10G-LR-S	TMG	10 Gbps	SFP+	10Km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS XE 16.8.1	IOS XE 16.8.1
<b>Network Device Notes for above line :</b> • SFP Ports 1-48													
C9500-48Y4C	SFP-10G-LR-S	TMG	10 Gbps	SFP+	10Km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS XE 16.9.1	IOS XE 16.9.1

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 : • SFP Ports 1-48; QSFP Ports 49-52: QSA (CVR-QSFP-SFP10G) required.													
C9500-48Y4C	SFP-10G-LR-X	TMG	10 Gbps	SFP+	10Km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS XE 16.11.1	IOS XE 16.11.1
Network Device Notes for above line : • SFP Ports 1-48; QSFP Ports 49-52: QSA (CVR-QSFP-SFP10G) required.													
C9500-48Y4C	SFP-10G-ER	TMG	10 Gbps	SFP+	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS XE 16.8.1	IOS XE 16.8.1
Network Device Notes for above line : • SFP Ports 1-48													
C9500-48Y4C	SFP-10G-ER	TMG	10 Gbps	SFP+	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS XE 16.9.1	IOS XE 16.9.1
Network Device Notes for above line : • SFP Ports 1-48; QSFP Ports 49-52: QSA (CVR-QSFP-SFP10G) required.													
C9500-48Y4C	SFP-10G-ER-S	TMG	10 Gbps	SFP+	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS XE 16.8.1	IOS XE 16.8.1
Network Device Notes for above line : • SFP Ports 1-48													
C9500-48Y4C	SFP-10G-ER-S	TMG	10 Gbps	SFP+	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS XE 16.9.1	IOS XE 16.9.1
Network Device Notes for above line : • SFP Ports 1-48; QSFP Ports 49-52: QSA (CVR-QSFP-SFP10G) required.													
C9500-48Y4C	SFP-10G-ZR	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS XE 16.9.1	IOS XE 16.9.1
Network Device Notes for above line : • SFP Ports 1-48; QSFP Ports 49-52: QSA (CVR-QSFP-SFP10G) required.													
C9500-48Y4C	SFP-10G-ZR	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS XE 16.8.1	IOS XE 16.8.1
Network Device Notes for above line : • SFP Ports 1-48													
C9500-48Y4C	SFP-10G-ZR-S	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS XE 16.9.1	IOS XE 16.9.1
Network Device Notes for above line : • SFP Ports 1-48; QSFP Ports 49-52: QSA (CVR-QSFP-SFP10G) required.													
C9500-48Y4C	SFP-10G-ZR-S	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS XE 16.8.1	IOS XE 16.8.1
Network Device Notes for above line : • SFP Ports 1-48													
C9500-48Y4C	SFP-10G-BXD-I	TMG	10 Gbps	SFP+	10Km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	-40 to 85C	Y	IOS XE 16.8.1	IOS XE 16.8.1
Network Device Notes for above line : • SFP Ports 1-48													
C9500-48Y4C	SFP-10G-BXU-I	TMG	10 Gbps	SFP+	10Km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	-40 to 85C	Y	IOS XE 16.8.1	IOS XE 16.8.1
Network Device Notes for above line : • SFP Ports 1-48													
C9500-48Y4C	SFP-10G-BX40D-I	TMG	10 Gbps	SFP+	40km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	-40 to 85C	Y	IOS XE 16.8.1	IOS XE 16.8.1
Network Device Notes for above line : • SFP Ports 1-48													
C9500-48Y4C	SFP-10G-BX40D-I	TMG	10 Gbps	SFP+	40km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	-40 to 85C	Y	IOS XE 16.9.1	IOS XE 16.9.1
Network Device Notes for above line : • SFP Ports 1-48; QSFP Ports 49-52: QSA (CVR-QSFP-SFP10G) required.													
C9500-48Y4C	SFP-10G-BX40U-I	TMG	10 Gbps	SFP+	40km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	-40 to 85C	Y	IOS XE 16.8.1	IOS XE 16.8.1
Network Device Notes for above line : • SFP Ports 1-48													
C9500-48Y4C	SFP-10G-BX40U-I	TMG	10 Gbps	SFP+	40km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	-40 to 85C	Y	IOS XE 16.9.1	IOS XE 16.9.1
Network Device Notes for above line : • SFP Ports 1-48; QSFP Ports 49-52: QSA (CVR-QSFP-SFP10G) required.													
C9500-48Y4C	SFP-H10GB-CU1M	TMG	10 Gbps	SFP+	1m	Preterminated cable	DAC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
Network Device Notes for above line : • SFP Ports 1-48													
C9500-48Y4C	SFP-H10GB-CU3M	TMG	10 Gbps	SFP+	3m	Preterminated cable	DAC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
Network Device Notes for above line : • SFP Ports 1-48													
C9500-48Y4C	SFP-H10GB-CU5M	TMG	10 Gbps	SFP+	5m	Preterminated cable	DAC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
Network Device Notes for above line : • SFP Ports 1-48													

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
C9500-48Y4C	SFP-H10GB-ACU7M	TMG	10 Gbps	SFP+	7m	Preterminated cable	DAC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
Network Device Notes for above line : • SFP Ports 1-48													
C9500-48Y4C	SFP-H10GB-ACU10M	TMG	10 Gbps	SFP+	10m	Preterminated cable	DAC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
Network Device Notes for above line : • SFP Ports 1-48													
C9500-48Y4C	SFP-10G-AOC1M	TMG	10 Gbps	SFP+	1m	Preterminated cable	AOC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
Network Device Notes for above line : • SFP Ports 1-48													
C9500-48Y4C	SFP-10G-AOC1M	TMG	10 Gbps	SFP+	1m	Preterminated cable	AOC	N/A	Cable	0 to 70C	N	IOS XE 16.9.1	—
Network Device Notes for above line : • SFP Ports 1-48; QSFP Ports 49-52: QSA (CVR-QSFP-SFP10G) required.													
C9500-48Y4C	SFP-10G-AOC2M	TMG	10 Gbps	SFP+	2m	Preterminated cable	AOC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
Network Device Notes for above line : • SFP Ports 1-48													
C9500-48Y4C	SFP-10G-AOC2M	TMG	10 Gbps	SFP+	2m	Preterminated cable	AOC	N/A	Cable	0 to 70C	N	IOS XE 16.9.1	—
Network Device Notes for above line : • SFP Ports 1-48; QSFP Ports 49-52: QSA (CVR-QSFP-SFP10G) required.													
C9500-48Y4C	SFP-10G-AOC3M	TMG	10 Gbps	SFP+	3m	Preterminated cable	AOC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
Network Device Notes for above line : • SFP Ports 1-48													
C9500-48Y4C	SFP-10G-AOC3M	TMG	10 Gbps	SFP+	3m	Preterminated cable	AOC	N/A	Cable	0 to 70C	N	IOS XE 16.9.1	—
Network Device Notes for above line : • SFP Ports 1-48; QSFP Ports 49-52: QSA (CVR-QSFP-SFP10G) required.													
C9500-48Y4C	SFP-10G-AOC5M	TMG	10 Gbps	SFP+	5m	Preterminated cable	AOC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
Network Device Notes for above line : • SFP Ports 1-48													
C9500-48Y4C	SFP-10G-AOC5M	TMG	10 Gbps	SFP+	5m	Preterminated cable	AOC	N/A	Cable	0 to 70C	N	IOS XE 16.9.1	—
Network Device Notes for above line : • SFP Ports 1-48; QSFP Ports 49-52: QSA (CVR-QSFP-SFP10G) required.													
C9500-48Y4C	SFP-10G-AOC7M	TMG	10 Gbps	SFP+	7m	Preterminated cable	AOC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
Network Device Notes for above line : • SFP Ports 1-48													
C9500-48Y4C	SFP-10G-AOC7M	TMG	10 Gbps	SFP+	7m	Preterminated cable	AOC	N/A	Cable	0 to 70C	N	IOS XE 16.9.1	—
Network Device Notes for above line : • SFP Ports 1-48; QSFP Ports 49-52: QSA (CVR-QSFP-SFP10G) required.													
C9500-48Y4C	SFP-10G-AOC10M	TMG	10 Gbps	SFP+	10m	Preterminated cable	AOC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
Network Device Notes for above line : • SFP Ports 1-48													
C9500-48Y4C	SFP-10G-AOC10M	TMG	10 Gbps	SFP+	10m	Preterminated cable	AOC	N/A	Cable	0 to 70C	N	IOS XE 16.9.1	—
Network Device Notes for above line : • SFP Ports 1-48; QSFP Ports 49-52: QSA (CVR-QSFP-SFP10G) required.													
C9500-48Y4C	DWDM-SFP10G-XX.XX	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS XE 16.8.1	IOS XE 16.8.1
Network Device Notes for above line : • SFP Ports 1-48													
C9500-48Y4C	CWDM-SFP10G-XXXX	TMG	10 Gbps	SFP+	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS XE 16.8.1	IOS XE 16.8.1
Network Device Notes for above line : • SFP Ports 1-48													
C9500-48Y4C	CWDM-SFP10G-XXXX	TMG	10 Gbps	SFP+	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS XE 16.9.1	IOS XE 16.8.1
Network Device Notes for above line : • SFP Ports 1-48; QSFP Ports 49-52: QSA (CVR-QSFP-SFP10G) required.													
C9500-48Y4C	GLC-T	TMG	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	0 to 70C	N	IOS XE 16.9.1	—
Network Device Notes for above line : • Supports 1000BASE-T mode only. SFP Ports 1-48													
C9500-48Y4C	GLC-T	TMG	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	0 to 70C	N	IOS XE 16.12.1	—

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 : • Supports 10/100/1000BASE-T modes. SFP Ports 1-48													
C9500-48Y4C	GLC-TE	TMG	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	-5 to 85C	N	IOS XE 16.9.1	—
Network Device Notes for above line : • Supports 1000BASE-T mode only. SFP Ports 1-48													
C9500-48Y4C	GLC-TE	TMG	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	-5 to 85C	N	IOS XE 16.12.1	—
Network Device Notes for above line : • Supports 10/100/1000BASE-T modes. SFP Ports 1-48													
C9500-48Y4C	GLC-BX-D	TMG	1 Gbps	SFP	10Km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS XE 16.8.1	IOS XE 16.8.1
Network Device Notes for above line : • SFP Ports 1-48													
C9500-48Y4C	GLC-BX-U	TMG	1 Gbps	SFP	10Km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS XE 16.8.1	IOS XE 16.8.1
Network Device Notes for above line : • SFP Ports 1-48													
C9500-48Y4C	QSFP-40G-SR4	TMG	40 Gbps	QSFP+	150m	Parallel Fiber	MMF	MPO-12 (UPC)	Optic	0 to 70C	Y	IOS XE 16.8.1	IOS XE 16.8.1
Network Device Notes for above line : • Breakout not supported Transceiver Notes for above line : • OM2: 30m; OM3: 100m; OM4/OM5: 150m • DOM support for V03 or later													
C9500-48Y4C	QSFP-40G-CSR4	TMG	40 Gbps	QSFP+	400m	Parallel Fiber	MMF	MPO-12 (UPC)	Optic	0 to 70C	Y	IOS XE 16.8.1	IOS XE 16.8.1
Network Device Notes for above line : • Breakout not supported Transceiver Notes for above line : • OM2: 82m, OM3: 300m; OM4/OM5: 400m • DOM support for V02 or later													
C9500-48Y4C	QSFP-40G-SR4-S	TMG	40 Gbps	QSFP+	150m	Parallel Fiber	MMF	MPO-12 (UPC)	Optic	0 to 70C	Y	IOS XE 16.8.1	IOS XE 16.8.1
Network Device Notes for above line : • Breakout not supported Transceiver Notes for above line : • OM3: 100m; OM4/OM5: 150m • DOM support for V02 or later													
C9500-48Y4C	QSFP-40G-SR-BD	TMG	40 Gbps	QSFP+	150m	Duplex Fiber	MMF	LC (UPC)	Optic	10 to 70C	N	IOS XE 16.8.1	—
Transceiver Notes for above line : • OM2: 30m; OM3: 100m; OM4/OM5: 150m													
C9500-48Y4C	QSFP-4X10G-LR-S	TMG	40 Gbps	QSFP+	10Km	Parallel Fiber	SMF	MPO-12 (APC)	Optic	0 to 70C	Y	IOS XE 16.8.1	IOS XE 16.8.1
Network Device Notes for above line : • Breakout not supported													
C9500-48Y4C	QSFP-40G-LR4-S	TMG	40 Gbps	QSFP+	10Km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 16.8.1	IOS XE 16.8.1
C9500-48Y4C	QSFP-40G-LR4	TMG	40 Gbps	QSFP+	10Km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 16.8.1	IOS XE 16.8.1
C9500-48Y4C	QSFP-40G-ER4	TMG	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 16.8.1	IOS XE 16.8.1
C9500-48Y4C	WSP-Q40GLR4L	TMG	40 Gbps	QSFP+	2km	Duplex Fiber	SMF	LC (UPC)	Optic	10 to 60C	Y	IOS XE 16.8.1	IOS XE 16.8.1
C9500-48Y4C	QSFP-H40G-CU5M	TMG	40 Gbps	QSFP+	5m	Preterminated cable	DAC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
Network Device Notes for above line : • This 40G DAC can only be supported when auto-negotiation is disabled on both ends.													
C9500-48Y4C	QSFP-H40G-CU3M	TMG	40 Gbps	QSFP+	3m	Preterminated cable	DAC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
Network Device Notes for above line : • This 40G DAC can only be supported when auto-negotiation is disabled on both ends.													
C9500-48Y4C	QSFP-H40G-CU1M	TMG	40 Gbps	QSFP+	1m	Preterminated cable	DAC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
Network Device Notes for above line : • This 40G DAC can only be supported when auto-negotiation is disabled on both ends.													
C9500-48Y4C	QSFP-H40G-ACU7M	TMG	40 Gbps	QSFP+	7m	Preterminated cable	DAC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
Network Device Notes for above line : • This 40G DAC can only be supported when auto-negotiation is disabled on both ends.													
C9500-48Y4C	QSFP-H40G-ACU10M	TMG	40 Gbps	QSFP+	10m	Preterminated cable	DAC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
Network Device Notes for above line : • This 40G DAC can only be supported when auto-negotiation is disabled on both ends.													

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
C9500-48Y4C	QSFP-H40G-AOC1M	TMG	40 Gbps	QSFP+	1m	Preterminated cable	AOC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
C9500-48Y4C	QSFP-H40G-AOC2M	TMG	40 Gbps	QSFP+	2m	Preterminated cable	AOC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
C9500-48Y4C	QSFP-H40G-AOC3M	TMG	40 Gbps	QSFP+	3m	Preterminated cable	AOC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
C9500-48Y4C	QSFP-H40G-AOC5M	TMG	40 Gbps	QSFP+	5m	Preterminated cable	AOC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
C9500-48Y4C	QSFP-H40G-AOC7M	TMG	40 Gbps	QSFP+	7m	Preterminated cable	AOC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
C9500-48Y4C	QSFP-H40G-AOC10M	TMG	40 Gbps	QSFP+	10m	Preterminated cable	AOC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
C9500-48Y4C	QSFP-H40G-AOC15M	TMG	40 Gbps	QSFP+	15m	Preterminated cable	AOC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
C9500-48Y4C	QSFP-H40G-AOC20M	TMG	40 Gbps	QSFP+	20m	Preterminated cable	AOC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
C9500-48Y4C	GLC-BX40-U-I	TMG	1 Gbps	SFP	40km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	-40 to 85C	Y	IOS XE 16.8.1	IOS XE 16.8.1
Network Device Notes for above line : • SFP Ports 1-48													
C9500-48Y4C	GLC-BX80-D-I	TMG	1 Gbps	SFP	80km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	-40 to 85C	Y	IOS XE 16.8.1	IOS XE 16.8.1
Network Device Notes for above line : • SFP Ports 1-48													
C9500-48Y4C	GLC-BX80-U-I	TMG	1 Gbps	SFP	80km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	-40 to 85C	Y	IOS XE 16.8.1	IOS XE 16.8.1
Network Device Notes for above line : • SFP Ports 1-48													
C9500-48Y4C	GLC-BX40-DA-I	TMG	1 Gbps	SFP	40km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	-40 to 85C	Y	IOS XE 16.8.1	IOS XE 16.8.1
Network Device Notes for above line : • SFP Ports 1-48													
C9500-48Y4C	GLC-EX-SMD	TMG	1 Gbps	SFP	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS XE 16.8.1	IOS XE 16.8.1
Network Device Notes for above line : • SFP Ports 1-48													
C9500-48Y4C	GLC-SX-MM-RGD	TMG	1 Gbps	SFP	1000m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	-40 to 85C	Y	IOS XE 16.8.1	IOS XE 16.8.1
Network Device Notes for above line : • SFP Ports 1-48													
Transceiver Notes for above line : • FDDI: 220m; OM1: 275m; OM2: 550m; OM3, OM4/OM5: 1000m													
C9500-48Y4C	GLC-LX-SM-RGD	TMG	1 Gbps	SFP	10Km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-40 to 85C	Y	IOS XE 16.8.1	IOS XE 16.8.1
Network Device Notes for above line : • SFP Ports 1-48													
Transceiver Notes for above line : • GLC-LX-SM-RGD can be used on MMF with a maximum reach of 550m													
C9500-48Y4C	GLC-ZX-SM-RGD	TMG	1 Gbps	SFP	70km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-40 to 85C	Y	IOS XE 16.8.1	IOS XE 16.8.1
Network Device Notes for above line : • SFP Ports 1-48													
C9500-48Y4C	GLC-SX-MMD	TMG	1 Gbps	SFP	1000m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS XE 16.8.1	IOS XE 16.8.1
Network Device Notes for above line : • SFP Ports 1-48													
Transceiver Notes for above line : • FDDI: 220m; OM1: 275m; OM2: 550m; OM3, OM4/OM5: 1000m													
C9500-48Y4C	GLC-LH-SMD	TMG	1 Gbps	SFP	10Km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS XE 16.8.1	IOS XE 16.8.1
Network Device Notes for above line : • SFP Ports 1-48													
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													
C9500-48Y4C	GLC-ZX-SMD	TMG	1 Gbps	SFP	70km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS XE 16.8.1	—
Network Device Notes for above line : • SFP Ports 1-48													
C9500-48Y4C	CWDM-SFP-XXXX	TMG	1 Gbps	SFP	100km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS XE 16.8.1	IOS XE 16.8.1
Network Device Notes for above line : • SFP Ports 1-48													
C9500-48Y4C	DWDM-SFP-XXXX	TMG	1 Gbps	SFP	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS XE 16.8.1	IOS XE 16.8.1
Network Device Notes for above line : • SFP Ports 1-48													
C9500-48Y4C	QSFP-H40G-AOC25M	TMG	40 Gbps	QSFP+	25m	Preterminated cable	AOC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—

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
C9500-48Y4C	QSFP-H40G-AOC30M	TMG	40 Gbps	QSFP+	30m	Preterminated cable	AOC	N/A	Cable	0 to 70C	N	IOS XE 16.8.1	—
C9500-48Y4C	SFP-H10GB-CU1-5M	TMG	10 Gbps	SFP+	1.5m	Preterminated cable	DAC	N/A	Cable	0 to 70C	N	IOS XE 16.11.1	—
Network Device Notes for above line : • SFP Ports 1-48; QSFP Ports 49-52: QSA (CVR-QSFP-SFP10G) required.													
C9500-48Y4C	SFP-H10GB-CU2M	TMG	10 Gbps	SFP+	2m	Preterminated cable	DAC	N/A	Cable	0 to 70C	N	IOS XE 16.11.1	—
Network Device Notes for above line : • SFP Ports 1-48; QSFP Ports 49-52: QSA (CVR-QSFP-SFP10G) required.													
C9500-48Y4C	SFP-H10GB-CU2-5M	TMG	10 Gbps	SFP+	2.5m	Preterminated cable	DAC	N/A	Cable	0 to 70C	N	IOS XE 16.11.1	—
Network Device Notes for above line : • SFP Ports 1-48; QSFP Ports 49-52: QSA (CVR-QSFP-SFP10G) required.													
C9500-48Y4C	SFP-10/25G-CSR-S	TMG	10/25 Gbps	SFP28	400m	Duplex Fiber	MMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 16.9.1	IOS XE 16.9.1
Transceiver Notes for above line : • For 10Gb/s - 300m/400m (OM3/OM4); For 25Gb/s - No FEC: 30m/50m (OM3/OM4); FC-FEC: 70m/100m (OM3/OM4); RS-FEC: 300m/400m (OM3/OM4)													
C9500-48Y4C	QSFP-H40G-CU0-5M	TMG	40 Gbps	QSFP+	0.5m	Preterminated cable	DAC	N/A	Cable	0 to 70C	N	IOS XE 16.12.1	—
Network Device Notes for above line : • This 40G DAC can only be supported when auto-negotiation is disabled on both ends.													
C9500-48Y4C	QSFP-H40G-CU2M	TMG	40 Gbps	QSFP+	2m	Preterminated cable	DAC	N/A	Cable	0 to 70C	N	IOS XE 17.2.1	—
Network Device Notes for above line : • This 40G DAC can only be supported when auto-negotiation is disabled on both ends.													
C9500-48Y4C	QSFP-H40G-CU4M	TMG	40 Gbps	QSFP+	4m	Preterminated cable	DAC	N/A	Cable	0 to 70C	N	IOS XE 17.2.1	—
Network Device Notes for above line : • This 40G DAC can only be supported when auto-negotiation is disabled on both ends.													
C9500-48Y4C	SFP-10/25G-LR-S	TMG	10/25 Gbps	SFP28	10Km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 16.11.1	IOS XE 16.11.1
C9500-48Y4C	SFP-25G-AOC4M	TMG	25 Gbps	SFP28	4m	Preterminated cable	AOC	N/A	Cable	0 to 70C	N	IOS XE 17.2.1	—
C9500-48Y4C	QSFP-40G-CSR-S	TMG	40 Gbps	QSFP+	400m	Duplex Fiber	MMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 16.10.1	—
Transceiver Notes for above line : • OM3: 300m; OM4/OM5: 400m • DOM support for V02 or later													
C9500-48Y4C	SFP-H10GB-CU4M	TMG	10 Gbps	SFP+	4m	Preterminated cable	DAC	N/A	Cable	0 to 70C	N	IOS XE 17.6.1	—
Network Device Notes for above line : • SFP Ports 1-48; QSFP Ports 49-52: QSA (CVR-QSFP-SFP10G) required.													
C9500-48Y4C	SFP-H25G-CU1.5M	TMG	25 Gbps	SFP28	1.5m	Preterminated cable	DAC	N/A	Cable	0 to 70C	N	IOS XE 17.2.1	—
C9500-48Y4C	SFP-H25G-CU2.5M	TMG	25 Gbps	SFP28	2.5m	Preterminated cable	DAC	N/A	Cable	0 to 70C	N	IOS XE 17.2.1	—
C9500-48Y4C	SFP-H25G-CU4M	TMG	25 Gbps	SFP28	4m	Preterminated cable	DAC	N/A	Cable	0 to 70C	N	IOS XE 17.2.1	—
C9500-48Y4C	SFP-10G-T-X	TMG	100M/1000M/10G bps	SFP+	30m	Cat6A/7	Copper	RJ-45	Copper	-5 to 85C	N	IOS XE 17.4.1	—
Network Device Notes for above line : • Supports a maximum of 8 ports. Please refer to the Cisco 9000 IOS-XE release notes. Transceiver Notes for above line : • Up to 30 meters with Cat6A/Cat7 or better (10G), up to 100 meters with Cat5e/Cat6A/Cat7 or better (100M/1000M)													