Cisco QSFP-100G-ER4L-S Compatibility Matrix Datasheet



Compatible Devices:

C9500

NCS1000

NCS5500

NCS6000

NCS4000

ASR900

N9300

N3000

N9500

ASR9000

ASR1000

ASR903

NCS4200

NCS540

NCS560

CBR8

C9600

N9800

N7700

8000 Series

C8500

C9300X

C9400X

NCS560

Network Device 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
N560-IMA-2C	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 7.2.1	IOS XR 7.2.1

Network Device Notes for above line :

No breakout supported

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)

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N560-IMA-2C-DD	QSFP-100G-	тмс	100	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to	Υ	IOS XR	IOS XR
	ER4L-S		Gbps	8				(=: =)		70C		731	7.3.1

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
Transceiver Note													
 40km (with host FI V01 of QSFP-1000 	,,	,	ith +4 5 (N	/lax) to -2 !	9 (Min) an	d Rx Power range w	/ith -4 9 (M	lax) to -19 9 (M	lin)				

ASR9000

Network Device Product ID	Transciever Product ID	Transceiver Business	Data Rate	Form Factor	Reach	Cable Type	Media	Connector Type	Transceiver Type	Case Temp	DOM Capable	Min Software	DOM Support
A99-12X100GE	QSFP-100G- ER4L-S	Unit TMG	100 Gbps	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	Support IOS XR 6.5.1	IOS XR 6.5.1
Transceiver Note	es for above line	:	Торро	10				1		1.00		0.011	0.0
•	EC), 30km (without	,	vith +4 5 (Max) to -2	9 (Min) an	d Ry Power range	with -4 9 (N	Max) to -19 9 (M	lin)				
A99-12X100GE	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 64 Bit 6.5.1	IOS XR 64 Bit 6.5.1
• 40km (with host F	es for above line FEC), 30km (without 0G-ER4L-S allows T	host FEC)	vith +4.5 (l	Max) to -2.	9 (Min) an	d Rx Power range	with -4.9 (N	Max) to -19.9 (M	lin)				
A9K-4X100GE	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 6.5.1	IOS XR 64 Bit 6.5.1
• 40km (with host F	es for above line FEC), 30km (without 0G-ER4L-S allows T	host FEC)	vith +4.5 (Max) to -2	9 (Min) an	d Ry Power range	with -4 9 (N	Max) to -19 9 (M	lin)				
A9K-4X100GE	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 6.5.1	IOS XR 6.5.1
• 40km (with host F	es for above line FEC), 30km (without DG-ER4L-S allows T.	host FEC)		1-	9 (Min) an	d Rx Power range	with -4.9 (N	Max) to -19.9 (M	lin)	1100		10.0.1	0.0.1
A99-4X100GE	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 6.5.1	IOS XR 64 Bit 6.5.1
• 40km (with host F	es for above line FEC), 30km (without IG-ER4L-S allows T	host FEC)	vith +4.5 (l	Max) to -2.	9 (Min) an	d Rx Power range	with -4.9 (N	Max) to -19.9 (M	lin)				
A99-4X100GE	QSFP-100G-	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 6.5.1	IOS XR 6.5.1
	ER4L-S		Орро	10	1				L	1700		10.0	
• 40km (with host F	es for above line FEC), 30km (without	host FEC)	·	•	9 (Min) an	d Rx Power range	with -4.9 (N	Max) to -19.9 (M	lin)	1100	1	10000	1
• 40km (with host F	es for above line	host FEC)	·	•	9 (Min) an	d Rx Power range Duplex Fiber	with -4.9 (N	Max) to -19.9 (M	optic	0 to 70C	Y	IOS XR 64 Bit 6.5.2	IOS XR 64 Bit 6.5.2
40km (with host F V01 of QSFP-100 A99-32X100GE- TR Transceiver Note 40km (with host F	es for above line FEC), 30km (without G-ER4L-S allows T QSFP-100G- ER4L-S es for above line FEC), 30km (without	host FEC) x Power range w TMG : host FEC)	vith +4.5 (l 100 Gbps	Max) to -2. QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to	Υ	IOS XR 64	IOS XR 64 Bit
40km (with host F V01 of QSFP-100 A99-32X100GE- TR Transceiver Note 40km (with host F	es for above line EC), 30km (without IG-ER4L-S allows T QSFP-100G- ER4L-S	host FEC) x Power range w TMG : host FEC)	vith +4.5 (l 100 Gbps	Max) to -2. QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to	Y	IOS XR 64	IOS XR 64 Bit
40km (with host F V01 of QSFP-100 A99-32X100GE- TR Transceiver Not 40km (with host F V01 of QSFP-100 A9K-16X100GE- TR Transceiver Not 40km (with host F	es for above line (EC), 30km (without) (G-ER4L-S allows T QSFP-100G-ER4L-S, 30km (without) (G-ER4L-S allows T QSFP-100G-ER4L-S) (es for above line (EC), 30km (without) (G-ER4L-S allows T QSFP-100G-ER4L-S) (es for above line (EC), 30km (without)	host FEC) x Power range w TMG : host FEC) x Power range w TMG TMG thost FEC)	vith +4.5 (I 100 Gbps vith +4.5 (I 100 Gbps	Max) to -2. QSFP2 8 Max) to -2. QSFP2	40km 9 (Min) an 40km	Duplex Fiber d Rx Power range Duplex Fiber	SMF with -4.9 (N	LC (UPC) Max) to -19.9 (M LC (UPC)	Optic in) Optic	0 to 70C		IOS XR 64 Bit 6.5.2	IOS XR 64 Bit 6.5.2
40km (with host F V01 of QSFP-100 A99-32X100GE- TR Transceiver Not 40km (with host F V01 of QSFP-100 A9K-16X100GE- TR Transceiver Not 40km (with host F	es for above line CEC), 30km (without OG-ER4L-S allows T QSFP-100G- ER4L-S es for above line CEC), 30km (without OG-ER4L-S allows T QSFP-100G- ER4L-S allows T QSFP-100G- ER4L-S	host FEC) x Power range w TMG : host FEC) x Power range w TMG TMG thost FEC)	vith +4.5 (I 100 Gbps vith +4.5 (I 100 Gbps	Max) to -2. QSFP2 8 Max) to -2. QSFP2	40km 9 (Min) an 40km	Duplex Fiber d Rx Power range Duplex Fiber	SMF with -4.9 (N	LC (UPC) Max) to -19.9 (M LC (UPC)	Optic in) Optic	0 to 70C		IOS XR 64 Bit 6.5.2	IOS XR 64 Bit 6.5.2
40km (with host F V01 of QSFP-100 A99-32X100GE- TR Transceiver Not 40km (with host F V01 of QSFP-100 A9K-16X100GE- TR Transceiver Not 40km (with host F V01 of QSFP-100 ASR-9901 Transceiver Not 40km (with host F V01 of QSFP-100 Transceiver Not 40km (with host F	es for above line GEC), 30km (without GG-ER4L-S allows T QSFP-100G- ER4L-S es for above line GEC), 30km (without GG-ER4L-S allows T QSFP-100G- ER4L-S es for above line GEC), 30km (without GG-ER4L-S allows T QSFP-100G- ER4L-S allows T QSFP-100G- ER4L-S allows T QSFP-100G- ER4L-S allows T QSFP-100G- ER4L-S	host FEC) x Power range w TMG : host FEC) x Power range w TMG : host FEC) x Power range w TMG : host FEC) x Power range w TMG	vith +4.5 (l) 100 Gbps vith +4.5 (l) 100 Gbps vith +4.5 (l) 100 Gbps	Max) to -2. QSFP2 Max) to -2. QSFP2 Max) to -2. QSFP2	9 (Min) an 40km 9 (Min) an 40km	d Rx Power range Duplex Fiber d Rx Power range Duplex Fiber	with -4.9 (N	LC (UPC) Aax) to -19.9 (M LC (UPC) Aax) to -19.9 (M LC (UPC)	Optic Optic Optic Optic Optic	0 to 70C	Y	IOS XR 64 Bit 6.5.2	IOS XR 64 Bit 6.5.2 IOS XR 64 Bit 6.5.2
40km (with host F V01 of QSFP-100 A99-32X100GE- TR Transceiver Not 40km (with host F V01 of QSFP-100 A9K-16X100GE- TR Transceiver Not 40km (with host F V01 of QSFP-100 ASR-9901 Transceiver Not 40km (with host F V01 of QSFP-100 Transceiver Not 40km (with host F	es for above line GEC), 30km (without GG-ER4L-S allows T QSFP-100G- ER4L-S es for above line GEC), 30km (without GG-ER4L-S allows T QSFP-100G- ER4L-S es for above line GEC), 30km (without GG-ER4L-S allows T QSFP-100G- ER4L-S es for above line GEC), 30km (without GG-ER4L-S allows T	host FEC) x Power range w TMG : host FEC) x Power range w TMG : host FEC) x Power range w TMG : host FEC) x Power range w TMG	vith +4.5 (l) 100 Gbps vith +4.5 (l) 100 Gbps vith +4.5 (l) 100 Gbps	Max) to -2. QSFP2 Max) to -2. QSFP2 Max) to -2. QSFP2	9 (Min) an 40km 9 (Min) an 40km	d Rx Power range Duplex Fiber d Rx Power range Duplex Fiber	with -4.9 (N	LC (UPC) Aax) to -19.9 (M LC (UPC) Aax) to -19.9 (M LC (UPC)	Optic Optic Optic Optic Optic	0 to 70C	Y	IOS XR 64 Bit 6.5.2	IOS XR 64 Bit 6.5.2 IOS XR 64 Bit 6.5.2
40km (with host F V01 of QSFP-100 A99-32X100GE- TR Transceiver Not 40km (with host F V01 of QSFP-100 A9K-16X100GE- TR Transceiver Not 40km (with host F V01 of QSFP-100 ASR-9901 Transceiver Not 40km (with host F V01 of QSFP-100 ASR-9901 Transceiver Not 40km (with host F V01 of QSFP-100 A9K-20HG-FLEX- SE Transceiver Not 40km (with host F 40km (with host F V01 of QSFP-100 Transceiver Not 40km (with host F	es for above line EEC), 30km (without) QSFP-100G- ER4L-S es for above line EEC), 30km (without) IG-ER4L-S allows T QSFP-100G- ER4L-S es for above line EEC), 30km (without) IG-ER4L-S allows T QSFP-100G- ER4L-S es for above line EEC), 30km (without) IG-ER4L-S allows T QSFP-100G- ER4L-S allows T QSFP-100G- ER4L-S allows T QSFP-100G- EEC), 30km (without) IG-ER4L-S allows T QSFP-100G- ER4L-S allows T QSFP-100G- ER4L-S allows T QSFP-100G- ER4L-S allows T QSFP-100G- ER4L-S	host FEC) x Power range w TMG : host FEC) x Power range w TMG : host FEC) x Power range w TMG TMG : host FEC) x Power range w TMG : host FEC) x Power range w TMG	vith +4.5 (l 100 Gbps vith +4.5 (l 100 Gbps vith +4.5 (l 100 Gbps	Max) to -2. QSFP2 Max) to -2. QSFP2 Max) to -2. QSFP2 R Max) to -2.	9 (Min) an 40km 9 (Min) an 40km 9 (Min) an 40km	d Rx Power range Duplex Fiber d Rx Power range Duplex Fiber d Rx Power range Duplex Fiber	with -4.9 (N SMF	Max) to -19.9 (M LC (UPC) Max) to -19.9 (M LC (UPC) Max) to -19.9 (M LC (UPC)	in) Optic in) Optic in) Optic	0 to 70C 0 to 70C 0 to 70C	Y	IOS XR 64 Bit 6.5.2	IOS XR 64 Bit 6.5.2 IOS XR 64 Bit 6.5.2
40km (with host F V01 of QSFP-100 A99-32X100GE- TR Transceiver Not 40km (with host F V01 of QSFP-100 A9K-16X100GE- TR Transceiver Not 40km (with host F V01 of QSFP-100 ASR-9901 Transceiver Not 40km (with host F V01 of QSFP-100 A9K-20HG-FLEX- SE Transceiver Not 40km (with host F V01 of QSFP-100 Transceiver Not 40km (with host F V01 of QSFP-100 Transceiver Not 40km (with host F	es for above line EEC), 30km (without 0G-ER4L-S allows T QSFP-100G- ER4L-S es for above line EEC), 30km (without 1G-ER4L-S allows T QSFP-100G- ER4L-S es for above line EC), 30km (without 1G-ER4L-S allows T QSFP-100G- ER4L-S es for above line EEC), 30km (without 0G-ER4L-S allows T QSFP-100G- ER4L-S allows T	host FEC) x Power range w TMG : host FEC) x Power range w TMG : host FEC) x Power range w TMG TMG : host FEC) x Power range w TMG : host FEC) x Power range w TMG	vith +4.5 (l 100 Gbps vith +4.5 (l 100 Gbps vith +4.5 (l 100 Gbps	Max) to -2. QSFP2 Max) to -2. QSFP2 Max) to -2. QSFP2 R Max) to -2.	9 (Min) an 40km 9 (Min) an 40km 9 (Min) an 40km	d Rx Power range Duplex Fiber d Rx Power range Duplex Fiber d Rx Power range Duplex Fiber	with -4.9 (N SMF	Max) to -19.9 (M LC (UPC) Max) to -19.9 (M LC (UPC) Max) to -19.9 (M LC (UPC)	in) Optic in) Optic in) Optic	0 to 70C 0 to 70C 0 to 70C	Y	IOS XR 64 Bit 6.5.2	IOS XR 64 Bit 6.5.2 IOS XR 64 Bit 6.5.2
40km (with host F V01 of QSFP-100 A99-32X100GE- TR Transceiver Note 40km (with host F V01 of QSFP-100 A9K-16X100GE- TR Transceiver Note 40km (with host F V01 of QSFP-100 ASR-9901 Transceiver Note 40km (with host F V01 of QSFP-100 ASR-9901 Transceiver Note 40km (with host F V01 of QSFP-100 A9K-20HG-FLEX- SE Transceiver Note 40km (with host F V01 of QSFP-100 A9K-20HG-FLEX- TR Transceiver Note 40km (with host F V01 of QSFP-100 A9K-20HG-FLEX- TR Transceiver Note 40km (with host F V01 of QSFP-100 A9K-20HG-FLEX- TR Transceiver Note 40km (with host F V01 of QSFP-100 A9K-20HG-FLEX- TR	es for above line EEC), 30km (without IG-ER4L-S allows T QSFP-100G- ER4L-S es for above line EEC), 30km (without IG-ER4L-S allows T QSFP-100G- ER4L-S es for above line EEC), 30km (without IG-ER4L-S allows T QSFP-100G- ER4L-S es for above line EEC), 30km (without IG-ER4L-S allows T QSFP-100G- ER4L-S allows T	host FEC) x Power range w TMG : host FEC) x Power range w TMG	vith +4.5 (I 100 Gbps	Max) to -2. QSFP2 Max) to -2. QSFP2 Max) to -2. QSFP2 Max) to -2. QSFP2 Residue of the second control	9 (Min) an 40km 9 (Min) an 40km 9 (Min) an 40km 9 (Min) an 40km	d Rx Power range Duplex Fiber d Rx Power range Duplex Fiber d Rx Power range Duplex Fiber d Rx Power range Duplex Fiber	with -4.9 (N SMF with -4.9 (N SMF	Max) to -19.9 (M LC (UPC) Max) to -19.9 (M LC (UPC) Max) to -19.9 (M LC (UPC) Max) to -19.9 (M LC (UPC)	in) Optic in) Optic in) Optic in) Optic	0 to 70C 0 to 70C 0 to 70C	Y	IOS XR 64 Bit 6.5.2 IOS XR 64 Bit 7.0.1 IOS XR 64 Bit 7.1.15	IOS XR 64 Bit 6.5.2 IOS XR 64 Bit 6.5.2 IOS XR 64 Bit 7.1.15

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 Suppo
• 40km (with host F	es for above line FEC), 30km (without DG-ER4L-S allows T	t host FEC)	vith ±4.5 (May) to -2	Q (Min) ar	d Ry Power range	with -4 9 (N	May) to -19 9 (M	lin)				
A9K-8HG-FLEX- TR	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 7.1.15	IOS XR 64 Bit 7.1.15
• 40km (with host F	es for above line FEC), 30km (without DG-ER4L-S allows T	t host FEC)	vith +4 5 (Max) to -2	9 (Min) ar	id Rx Power range	with -4 9 (N	Max) to -19 9 (M	tin)				
A99-32X100GE- X-SE	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 64 Bit 7.1.15	IOS XR 64 Bit
	es for above line		1							1			7.1.15
• 40km (with host F	FEC), 30km (without DG-ER4L-S allows T	t host FEC)	vith +4 5 (Max) to -2	9 (Min) ar	id Ry Power range	with -4 9 (N	Max) to -19 9 (N	lin)				
A99-32X100GE- X-TR	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 7.1.15	IOS XR 64 Bit 7.1.15
	es for above line										-	-	7.1.15
,	FEC), 30km (without DG-ER4L-S allows T		vith +4.5 (Max) to -2	9 (Min) ar	d Rx Power range	with -4.9 (N	1ax) to -19.9 (M	1in)				
A99-32HG-FC	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 7.1.15	IOS XR 64 Bit 7.1.15
	es for above line FEC), 30km (without		•		•	1		1	1	•	1	·	
• V01 of QSFP-100	G-ER4L-S allows T	x Power range v	T .		T '			T .	1	1	T ₂	lian va e.	l.aa.va
A9K-20HG-FLEX- FC	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 7.1.15	IOS XR 64 Bit 7.1.15
• 40km (with host F	es for above line FEC), 30km (without	t host FEC)											
• V01 of QSFP-100 A9K-8HG-FLEX- FC	QSFP-100G- ER4L-S	TMG	100 Gbps	Max) to -2 QSFP2 8	9 (Min) ar 40km	Duplex Fiber	SMF	lax) to -19.9 (N LC (UPC)	(in) Optic	0 to 70C	Y	IOS XR 64 Bit 7.1.15	IOS XR 64 Bit 7.1.15
V01 of QSFP-100 A99-16X100GE- X-SE Transceiver Not 40km (with host f	GEC), 30km (without) GER4L-S allows T QSFP-100G- ER4L-S es for above line FEC), 30km (without)	TMG TMG t host FEC)	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 6.5.2	IOS XR 64 Bit 6.5.2
• V01 of QSFP-100 ASR-9903	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2	9 (Min) ar 40km	Duplex Fiber	SMF	lax) to -19.9 (M LC (UPC)	lin) Optic	0 to 70C	Υ	IOS XR 64 Bit 7.1.25	IOS XR 64 Bit
Transceiver Not	es for above line	:	Соръ	<u> ° </u>						1700		Dit 7.1.23	7.1.25
•	FEC), 30km (without DG-ER4L-S allows T		vith +4.5 (Max) to -2	9 (Min) ar	d Rx Power range	with -4.9 (N	1ax) to -19.9 (N	lin)				
A9903-20HG- PEC	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 7.1.25	IOS XR 64 Bit 7.1.25
• 40km (with host F	es for above line FEC), 30km (without	t host FEC)	-id 4.5 (M) t- 0	0 (14%)	1 D. D.		4> 1 40.0 (A	· ·				
• V01 of QSFP-100 A99-10X400GE- X-TR	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 7.4.1	IOS XR 64 Bit 7.4.1
• 40km (with host F	es for above line FEC), 30km (without	t host FEC)		·					1				7.4.1
 V01 of QSFP-100 A99-10X400GE- 	G-ER4L-S allows T	TMG	vith +4.5 (I	Max) to -2. QSFP2	9 (Min) ar 40km	d Rx Power range	with -4.9 (N	Max) to -19.9 (M LC (UPC)	1in) Optic	0 to	Υ	IOS XR 64	IOS XR
X-SE	ER4L-S		Gbps	8						70C		Bit 7.4.1	64 Bit 7.4.1
• 40km (with host F	es for above line FEC), 30km (without DG-ER4L-S allows T	t host FEC)	vith ±4 = /	May) to 3	9 (Min) or	d Ry Power reserve	with -4.0 (A	Max) to -10.0 /A	tin)				
A9K-4HG-FLEX- TR	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 7.4.1	IOS XR 64 Bit
	es for above line FEC), 30km (without			l	1	l						1	7.4.1
•	QSFP-100G- ER4L-S		100 Gbps	Max) to -2 QSFP2	9 (Min) ar 40km	d Rx Power range	swith -4.9 (N	lax) to -19.9 (N LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 7.4.1	IOS XR 64 Bit
			Gups	l°						700		DIL 1.4.1	7.4.1
• 40km (with host F	es for above line FEC), 30km (without 0G-ER4L-S allows T	t host FEC)	vith +4.5 (Max) to -2	9 (Min) ar	d Rx Power range	with -4.9 (N	Max) to -19.9 (M	lin)				

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 Suppor
A99-4HG-FLEX- TR	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 64 Bit 7.4.1	IOS XR 64 Bit 7.4.1
• 40km (with host F	tes for above line FEC), 30km (without	host FEC)	ا علانات	Any) to 2	O (Min) an	d Dy Dawar raa aa	with 40/A	40 0 (A)	lia)				
A99-4HG-FLEX- SE	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 64 Bit 7.4.1	IOS XR 64 Bit 7.4.1
	tes for above line FEC), 30km (without		1	'	,	•	,	1	-	•	,	,	,
• V01 of QSFP-100 ASR-9902	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	9 (Min) an 40km	d Rx Power range Duplex Fiber	swith -4.9 (N	lax) to -19.9 (M LC (UPC)	lin) Optic	0 to 70C	Υ	IOS XR 64 Bit 7.4.1	IOS XR 64 Bit
	tes for above line FEC), 30km (without												7.4.1
	0G-ER4L-S allows T				T '			Т .	Τ΄	T _a ,	Τυ	Tigg vp at	lion vin
A99-4T-FC	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 7.4.1	IOS XR 64 Bit 7.4.1
• 40km (with host F	tes for above line FEC), 30km (without	host FEC)											
• V01 of QSFP-100 A9903-20HG-	0G-ER4L-S allows T	TMG	vith +4.5 (I	Max) to -2. QSFP2	9 (Min) an 40km	d Rx Power range Duplex Fiber	with -4.9 (N	Max) to -19.9 (N LC (UPC)	lin) Optic	0 to	Ιγ	IOS XR 64	IOS XR
PEC-FC	ER4L-S	11110	Gbps	8	40111	Buplex 1 ibel		20 (01 0)	Орио	70C	<u> </u>	Bit 7.1.25	64 Bit 7.1.25
• 40km (with host F	tes for above line FEC), 30km (without 0G-ER4L-S allows T	host FEC)	vith +4 5 (l	Max) to -2	9 (Min) an	d Ry Power range	with -4 9 (N	Max) to -19 9 (M	lin)				
ASR-9903-FC	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 7.1.25	IOS XR 64 Bit 7.1.25
	tes for above line FEC), 30km (without			ı									7.1.25
	0G-ER4L-S allows T				<u> </u>			T '	Τ΄	To to	Τν	LIGO VD 64	LOG VD
ASR-9902-FC	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 64 Bit 7.4.1	IOS XR 64 Bit 7.4.1
	tes for above line FEC), 30km (without												
• V01 of QSFP-100 A9K-4HG-FLEX- FC	QSFP-100G- ER4L-S	TMG	100 Gbps	Max) to -2. QSFP2 8	9 (Min) an 40km	d Rx Power range Duplex Fiber	swith -4.9 (N	Max) to -19.9 (M LC (UPC)	Optic	0 to 70C	Y	IOS XR 64 Bit 7.4.1	IOS XR 64 Bit 7.4.1
	tes for above line FEC), 30km (without	· -	1		l								7.50
	OG-ER4L-S allows T	T	T ,					T .	Τ΄	Tota	T _V	LIGO VD 64	LOG VD
A99-4HG-FLEX- FC	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 64 Bit 7.4.1	IOS XR 64 Bit 7.4.1
• 40km (with host F	tes for above line FEC), 30km (without	host FEC)											
	UG-ER4L-S allows I						40.0						
A99-12X100GE-	QSFP-100G-	TMG	100	Max) to -2. QSFP2	9 (Min) an 40km	d Rx Power range Duplex Fiber	with -4.9 (N	Max) to -19.9 (M LC (UPC)	lin) Optic	0 to	Υ	IOS XR	IOS XR
Transceiver Note	ER4L-S tes for above line	TMG:							1	0 to 70C	Y	IOS XR 6.5.1	IOS XR 6.5.1
Transceiver Note • 40km (with host F	ER4L-S tes for above line FEC), 30km (without	TMG : host FEC)	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y		
Transceiver Note • 40km (with host F	ER4L-S tes for above line	TMG : host FEC)	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y		6.5.1 IOS XR 64 bit
FC Transceiver Note • 40km (with host F • V01 of QSFP-100 A99-12X100GE-FC Transceiver Note	tes for above line FEC), 30km (without 0G-ER4L-S allows T	: host FEC) x Power range v	100 Gbps vith +4.5 (I	QSFP2 8 Max) to -2. QSFP2	40km 9 (Min) an	Duplex Fiber	SMF	LC (UPC)	Optic	70C		6.5.1	6.5.1
FC Transceiver Note • 40km (with host F • V01 of QSFP-100 A99-12X100GE-FC Transceiver Note • 40km (with host F • V01 of QSFP-100	tes for above line FEC), 30km (without 0G-ER4L-S allows T QSFP-100G- ER4L-S tes for above line FEC), 30km (without 0G-ER4L-S allows T	: host FEC) TMG TMG TMG TMG TMG A host FEC) x Power range w	100 Gbps vith +4.5 (I 100 Gbps	QSFP2 8 Max) to -2. QSFP2 8	9 (Min) an 40km	d Rx Power range Duplex Fiber	SMF with -4.9 (N	LC (UPC) Max) to -19.9 (N LC (UPC) Max) to -19.9 (N	Optic lin) Optic	0 to 70C	Y	IOS XR 64 bit 6.5.1	IOS XR 64 bit 6.5.1
FC Transceiver Note • 40km (with host F • V01 of QSFP-100 A99-12X100GE-FC Transceiver Note • 40km (with host F	tes for above line FEC), 30km (without 0G-ER4L-S allows T QSFP-100G- ER4L-S tes for above line FEC), 30km (without	: host FEC) x Power range v TMG : host FEC)	vith +4.5 (I	QSFP2 8 Max) to -2. QSFP2 8	40km 9 (Min) an 40km	d Rx Power range	SMF with -4.9 (N	LC (UPC) Max) to -19.9 (M	Optic lin) Optic	70C		6.5.1	6.5.1 IOS XR 64 bit
FC Transceiver Note • 40km (with host F • V01 of QSFP-100 A99-12X100GE-FC Transceiver Note • 40km (with host F • V01 of QSFP-100 A99-16X100GE-X-FC Transceiver Note • 40km (with host F	tes for above line FEC), 30km (without 0G-ER4L-S allows T QSFP-100G- ER4L-S tes for above line FEC), 30km (without 0G-ER4L-S allows T QSFP-100G- ER4L-S tes for above line FEC), 30km (without	TMG : host FEC) x Power range v TMG : host FEC) x Power range v TMG : host FEC) x Power range v	100 Gbps vith +4.5 (I 100 Gbps vith +4.5 (I 100 Gbps	Max) to -2. QSFP2 Max) to -2. QSFP2 Results of the second of the sec	9 (Min) an 40km 9 (Min) an 40km	d Rx Power range Duplex Fiber d Rx Power range Duplex Fiber	sMF with -4.9 (N sMF	Max) to -19.9 (Max)	Optic Iin) Optic Iin) Optic	0 to 70C	Y	IOS XR 64 bit 6.5.1	IOS XR 64 bit 6.5.1
FC Transceiver Note • 40km (with host F • V01 of QSFP-100 A99-12X100GE-FC Transceiver Note • 40km (with host F • V01 of QSFP-100 A99-16X100GE-X-FC Transceiver Note • 40km (with host F	tes for above line FEC), 30km (without 0G-ER4L-S allows T QSFP-100G- ER4L-S tes for above line FEC), 30km (without 0G-ER4L-S allows T QSFP-100G- ER4L-S allows T QSFP-100G- ER4L-S	TMG : host FEC) x Power range v TMG : host FEC) x Power range v TMG : host FEC) x Power range v	100 Gbps vith +4.5 (I 100 Gbps vith +4.5 (I 100 Gbps	Max) to -2. QSFP2 Max) to -2. QSFP2 Results of the second of the sec	9 (Min) an 40km 9 (Min) an 40km	d Rx Power range Duplex Fiber d Rx Power range Duplex Fiber	sMF with -4.9 (N sMF	Max) to -19.9 (Max)	Optic Iin) Optic Iin) Optic	0 to 70C	Y	IOS XR 64 bit 6.5.1	IOS XR 64 bit 6.5.1 IOS XR 64 bit 6.5.2
FC Transceiver Note • 40km (with host F • V01 of QSFP-100 A99-12X100GE-FC Transceiver Note • 40km (with host F • V01 of QSFP-100 A99-16X100GE-X-FC Transceiver Note • 40km (with host F • V01 of QSFP-100 ASR-9901-FC	tes for above line FEC), 30km (without 0G-ER4L-S allows T QSFP-100G- ER4L-S tes for above line FEC), 30km (without 0G-ER4L-S allows T QSFP-100G- ER4L-S tes for above line FEC), 30km (without 0G-ER4L-S allows T QSFP-100G- ER4L-S allows T QSFP-100G- ER4L-S allows T QSFP-100G- ER4L-S allows T QSFP-100G- ER4L-S allows T	TMG : host FEC) x Power range w TMG	100 Gbps vith +4.5 (I 100 Gbps vith +4.5 (I 100 Gbps	Max) to -2. QSFP2 Max) to -2. QSFP2 Max) to -2. QSFP2	9 (Min) an 40km 9 (Min) an 40km	d Rx Power range Duplex Fiber d Rx Power range Duplex Fiber	sMF with -4.9 (N SMF SMF	Max) to -19.9 (Max)	Optic Iin) Optic Iin) Optic	0 to 70C	Y	IOS XR 64 bit 6.5.2	IOS XR 64 bit 6.5.1
FC Transceiver Note • 40km (with host F • V01 of QSFP-100 A99-12X100GE-FC Transceiver Note • 40km (with host F • V01 of QSFP-100 A99-16X100GE-X-FC Transceiver Note • 40km (with host F • V01 of QSFP-100 ASR-9901-FC Transceiver Note • 40km (with host F • V01 of QSFP-100 ASR-9901-FC	tes for above line FEC), 30km (without 0G-ER4L-S allows T QSFP-100G- ER4L-S tes for above line FEC), 30km (without 0G-ER4L-S allows T QSFP-100G- ER4L-S tes for above line FEC), 30km (without 0G-ER4L-S allows T QSFP-100G- ER4L-S allows T QSFP-100G- ER4L-S allows T	TMG : host FEC) x Power range v TMG	100 Gbps vith +4.5 (I 100 Gbps vith +4.5 (I 100 Gbps vith +4.5 (I 100 Gbps	Max) to -2. QSFP2 Max) to -2. QSFP2 Max) to -2. QSFP2 R	9 (Min) an 40km 9 (Min) an 40km 9 (Min) an 40km	d Rx Power range Duplex Fiber d Rx Power range Duplex Fiber d Rx Power range Duplex Fiber	swith -4.9 (N SMF	Max) to -19.9 (Max)	Optic lin) Optic lin) Optic lin) Optic	0 to 70C	Y	IOS XR 64 bit 6.5.2	IOS XR 64 bit 6.5.1 IOS XR 64 bit 6.5.2

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
• 40km (with host F	es for above line : EC), 30km (without G-ER4L-S allows To	host FEC)	ith +4.5 (N	Max) to -2.	9 (Min) an	d Rx Power range w	ith -4.9 (M	ax) to -19.9 (M	in)				
A9K-16X100GE- FC	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 64 bit 6.5.2	IOS XR 64 bit 6.5.2
Transceiver Note • 40km (with host F • V01 of QSFP-100	,,	host FEC)	ith +4.5 (N	∕ax) to -2.5	9 (Min) an	d Rx Power range w	ith -4.9 (M	lax) to -19.9 (M	in)				

NCS540

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
N540-24Z8Q2C- SYS	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.5.3	IOS XR 6.5.3
• 40km (with host F	es for above line : FEC), 30km (without 0G-ER4L-S allows Ta	host FEC)	rith +4.5 (N	Лах) to -2.	9 (Min) an	d Rx Power range v	vith -4.9 (N	1ax) to -19.9 (M	lin)				
N540-ACC-SYS	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 6.5.3	IOS XR 6.5.3
• 40km (with host F	es for above line : FEC), 30km (without IG-ER4L-S allows Ta	host FEC)	rith +4.5 (N	Лах) to -2.	9 (Min) an	d Rx Power range v	vith -4.9 (N	1ax) to -19.9 (M	lin)				
N540X-ACC-SYS	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 6.5.3	IOS XR 6.5.3
• 40km (with host F	es for above line (FEC), 30km (without)G-ER4L-S allows To	host FEC)	rith +4.5 (N	Max) to -2.	9 (Min) an	d Rx Power range v	vith -4.9 (N	fax) to -19.9 (M	lin)	0 to	Ιγ	IOS XR	IOS XR
16Z4G8Q2C-A	ER4L-S		Gbps	8	1701011	Buplex 1 ibel		20 (01 0)	Орио	70C	<u> </u>	7.0.1	7.0.1
• 40km (with host F	es for above line : FEC), 30km (without)G-ER4L-S allows Ta	host FEC)	vith +4.5 (N	Лах) to -2.	9 (Min) an	d Rx Power range v	vith -4.9 (N	1ax) to -19.9 (M	lin)				
N540X- 16Z4G8Q2C-D	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 7.0.1	IOS XR 7.0.1
• 40km (with host F	es for above line : FEC), 30km (without)G-ER4L-S allows Tx	host FEC)	rith +4.5 (N	Лах) to -2.	9 (Min) an	d Rx Power range v	vith -4.9 (M	lax) to -19.9 (M	lin)				
N540-28Z4C- SYS-A	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 7.0.1	IOS XR 7.0.1
• 40km (with host F	es for above line : FEC), 30km (without 0G-ER4L-S allows Ta	host FEC)	vith +4 5 (N	Max) to -2	9 (Min) an	d Rx Power range v	vith -4 9 (N	lax) to -19 9 (M	lin)				
N540-28Z4C- SYS-D	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 7.0.1	IOS XR 7.0.1
Transceiver Note • 40km (with host F	es for above line : FEC), 30km (without DG-ER4L-S allows T	host FEC)		•	9 (Min) an	d Rx Power range v	vith -4.9 (M	lax) to -19.9 (M	lin)	1	1	1	
N540-FH-CSR- SYS	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 7.3.1	IOS XR 7.3.1
• 40km (with host F	es for above line (FEC), 30km (without 0G-ER4L-S allows To	host FEC)	vith +4 5 (N	Max) to -2	9 (Min) an	d Rx Power range v	vith -4 9 (N	lax) to -19 9 (M	lin)			•	
N540-24Q8L2DD- SYS	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 7.4.1	IOS XR 7.4.1
Transceiver Note • 40km (with host F	es for above line : FEC), 30km (without DG-ER4L-S allows T	host FEC)		'	9 (Min) an	d Rx Power range v	vith -4.9 (M	Iax) to -19.9 (M	lin)	7.00		11.000	F. Co.
N540-FH-AGG- SYS	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 7.7.1	IOS XR 7.7.1
Transceiver Note • 40km (with host F	es for above line : FEC), 30km (without 0G-ER4L-S allows T	host FEC)			9 (Min) an	d Rx Power range v	, vith -4.9 (M	lax) to -19.9 (M	lin)	•	•	•	
N540X-16Z8Q2C- D	1	TMG	100 Gbps	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 7.5.2	IOS XR 7.5.2
Transceiver Note • 40km (with host F	es for above line : FEC), 30km (without)G-ER4L-S allows T	host FEC)			9 (Min) an	d Rx Power range v	vith -4.9 (M	lax) to -19.9 (M	lin)	•	•		•

N3000

	1	1	I	I	I	1	1	1_	1	1.	1	1	1
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
N3K-C36180YC- R	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	NX-OS 9.3(1)	NX-OS 9.3(1)
Transceiver Not	es for above line												
40km (with host F	EC), 30km (without	host FEC)											
• V01 of QSFP-100	G-ER4L-S allows T	Power range w	ith +4.5 (N	/lax) to -2.	9 (Min) an	d Rx Power range	with -4.9 (N	Max) to -19.9 (M	lin)				
N3K-C3636C-R	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	NX-OS 9.2(3)	NX-OS 9.2(3)
Transceiver Not	es for above line												
40km (with host F	EC), 30km (without	host FEC)											
• V01 of QSFP-100	G-ER4L-S allows T	Power range w	ith +4.5 (N	/lax) to -2.	9 (Min) an	d Rx Power range	with -4.9 (N	1ax) to -19.9 (M	lin)				
N3K-C34180YC	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	NX-OS 9.2.2	NX-OS 9.2.2
Transcaliver N-4					•		•			•	•		•
	es for above line: FEC), 30km (without												
`	G-ER4L-S allows To	,	ith +4 5 (N	Max) to -2	9 (Min) an	d Rx Power range	with -4 9 (N	Max) to -19 9 (M	lin)				
N3K-C3408-S	QSFP-100G-	TMG	100	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to	Ιγ	NX-OS	NX-OS
	ER4L-S		Gbps	8						70C	<u> </u>	9.3(5)	9.3(5)
Network Device	Notes for above I	ine :											
Supported on 100	G and 400G LEM												
Transceiver Not	es for above line												
`	EC), 30km (without	,											
	G-ER4L-S allows T	ı				d Rx Power range	1 '	1	1			_	
N3K-C3432D-S	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 9.3(5)	NX-OS 9.3(5)
Network Device	Notes for above I	ine :											
Supported on 100													
Transceiver Not	es for above line												
• 40km (with host F	EC), 30km (without	host FEC)											
• V01 of QSFP-100	G-ER4L-S allows T	Power range w	ith +4.5 (N	Max) to -2.	9 (Min) an	d Rx Power range	with -4.9 (N	Max) to -19.9 (M	lin)				
N3K-C3464C	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	NX-OS 9.3(1)	NX-OS 9.3(1)
				1-			-	-		1.00	-	1(1)	(.)
	Notes for above I	ine :											
• QSFP Ports (1-64	,												
	es for above line												
,	EC), 30km (without	,	ith ±4.5./N	Aay) to . 3	Q (Min) on	d Dy Dower range	with -4 Q /A	fax) to -10.0 (M	lin)				
- VUI UI QOFP-100	G-ER4L-S allows T	Crowel lange w	ıııı +4.5 (N	nax) 10 -2.	e (IIIIII) an	u IX FOWEI Ialige	witi 1-4.9 (IV	10-19.9 (IV	1111)				

N9800

Network Device 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	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	NX-OS 10.3(3)F	NX-OS 10.3(3)F
• 40km (with host F	es for above line : EC), 30km (without G-ER4L-S allows T	host FEC)	ith +4.5 (N	Max) to -2.9	9 (Min) an	d Rx Power range v	vith -4.9 (M	lax) to -19.9 (M	in)				
N9K-X98900CD-A	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	NX-OS 10.4(1)	NX-OS 10.4(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)

C9600

Network Device Product ID		Transceiver Business Unit	Data Rate	Form Factor	Reach	Cable Type	Media	Connector Type	Transceiver Type	Case Temp		Min Software Support	DOM Support
C9600-LC-24C	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XE 16.12.1	IOS XE 16.12.1

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
Network Device I		ine :											
When in use with the second seco													
 Transceiver Note 40km (with host Fl 													
• V01 of QSFP-100	G-ER4L-S allows To	Power range w	ith +4.5 (N	Max) to -2.	9 (Min) an	d Rx Power range	with -4.9 (N	1ax) to -19.9 (N	lin)				
C9600-LC-24C	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XE 17.7.1	IOS XE 17.7.1
Network Device I		ine :											
• When in use with													
Transceiver Note													
 40km (with host FI V01 of QSFP-1000 	,,	,	ith 145 (N	May) to 3	O (Min) on	d Dy Dower renge	with 40 (N	May) to 10.0 (N	lin)				
C9600-LC-	QSFP-100G-	TMG	100	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to	Τ _Y	IOS XE	IOS XE
40YL4CD	ER4L-S	TIVIG	Gbps	8	40KIII	Duplex Fiber	Sivii	LC (OFC)	Орис	70C	!	17.7.1	17.7.1
Transceiver Note • 40km (with host FI • V01 of QSFP-100 C9600-LC- 40YL4CD Network Device I • When in use with 0 Transceiver Note • 40km (with host FI • V04 of QSFR-100	EC), 30km (without G-ER4L-S allows T) QSFP-100G- ER4L-S Notes for above I C9600-SUP-1. es for above line : EC), 30km (without	host FEC) R Power range w TMG Tme : host FEC)	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 17.8.1	IOS XE 17.8.1
• V01 of QSFP-1000 C9600X-LC-32CD	QSFP-100G-	TMG	100	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to	Υ	IOS XE	IOS XE
Network Device I When in use with I Transceiver Note 40km (with host FI V01 of QSFP-100I C9600X-LC-	C9600X-SUP-2. es for above line : EC), 30km (without	host FEC)	Gbps ith +4.5 (N	Max) to -2.	9 (Min) an	d Rx Power range	with -4.9 (N	1ax) to -19.9 (N	lin)	70C	Y	17.9.1	17.9.1
56YL4C	ER4L-S		Gbps	8	4UKIII	Duplex Fiber	SIVIF	LC (UPC)	Орис	70C	ľ	17.13.1	17.13.1
• When in use with the Transceiver Note • 40km (with host Flee) V01 of OSEP-100	C9600X-SUP-2. es for above line : EC), 30km (without	host FEC)	ith +4 5 (N	Max) to -2	9 (Min) an	d Rx Power range	with -4 9 (N	/lax) to -19 9 (M	lin)				

N7700

Network Device Product ID	Transciever Product ID	Transceiver Business	Data Rate	Form Factor	Reach	Cable Type	Media	Connector Type	Transceiver Type	Case Temp	DOM Capable	Min Software	DOM Support
		Unit	ruio	. actor				.,,,,	.,,,,		Capabio	Support	Сирроп
N77-M312CQ-26L	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	NX-OS 8.2(1)	NX-OS 8.2(1)
Transceiver Note	es for above line												
• 40km (with host F	EC), 30km (without	host FEC)											
• V01 of QSFP-100	G-ER4L-S allows To	k Power range w	ith +4.5 (N	Max) to -2.	9 (Min) an	d Rx Power range v	/ith -4.9 (N	lax) to -19.9 (M	in)				
N77-F430CQ-36	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	NX-OS 8.3(1)	NX-OS 8.3(1)
Transceiver Note	es for above line	:											
• 40km (with host F	EC), 30km (without	host FEC)											
• V01 of QSFP-100	G-ER4L-S allows To	x Power range w	ith +4.5 (N	Max) to -2.	9 (Min) an	d Rx Power range v	ith -4.9 (N	lax) to -19.9 (M	in)				

C8500

	Network Device 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
C	C8500-12X4QC	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XE 17.3.2	IOS XE 17.3.2

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)

Network Device Product ID		Transceiver Business Unit	Data Rate	Form Factor	Reach	Cable Type	Media	Connector Type	Transceiver Type	Case Temp		Min Software Support	DOM Support
C8500-20X6C	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XE 17.10.1	IOS XE 17.10.1

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)

C9400X

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
C9400X-SUP-2	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XE 17.7.1	IOS XE 17.7.1
Transceiver Note • 40km (with host F • V01 of QSFP-100	,,	host FEC)	ith +4.5 (N	/lax) to -2.5	9 (Min) an	d Rx Power range w	rith -4.9 (M	lax) to -19.9 (M	in)				
C9400X-SUP-2XL	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XE 17.7.1	IOS XE 17.7.1

- 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)

N9300

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
N9K-C93180YC- EX	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	NX-OS 9.2.1	NX-OS 9.2.1
	es for above line	=											
`	EC), 30km (without	,											
• V01 of QSFP-100	G-ER4L-S allows T	x Power range w	vith +4.5 (I	Max) to -2.	9 (Min) an	d Rx Power range	with -4.9 (N	Max) to -19.9 (N	1in)	1	_		
N9K-C93180YC- EX	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI- N9KDK9- 14.0(1)	ACI- N9KDK9 -14.0(1)
Transceiver Note	es for above line												
	EC), 30km (without												
*	G-ER4L-S allows T	,	vith +4.5 (I	Max) to -2.	9 (Min) an	nd Rx Power range	with -4.9 (N	Max) to -19.9 (N	1in)				
N9K-C93180YC- FX	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 9.2.1	NX-OS 9.2.1
Transceiver Not	es for above line												
	EC), 30km (without												
*	G-ER4L-S allows T	,	ith +4.5.(I	May) to -2	Q (Min) an	d Dy Dower range	with -4 Q /N	10 v) to -10 0 (N	(lin)				
N9K-C93180YC-	QSFP-100G-	TMG	100	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to	Ιγ	ACI-	ACI-
FX	ER4L-S	TIMG	Gbps	8	408111	Duplex Fiber	SIVIE	LC (UPC)	Орис	70C	ľ	N9KDK9- 14.0(1)	N9KDK9 -14.0(1)
Transceiver Not	es for above line												
	EC), 30km (without												
	G-ER4L-S allows T		vith +4 5 (1	Max) to -2	9 (Min) an	d Ry Power range	with -4 9 (N	// // // // // // // // // // // // //	(lin)				
N9K-C9348GC-	QSFP-100G-	TMG	100	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to	Τγ	ACI-	ACI-
FXP	ER4L-S	TIMG	Gbps	8	408111	Duplex Fibel	SIVIE	LC (UPC)	Орис	70C	ľ	N9KDK9- 14.0(1)	N9KDK9 -14.0(1)
Network Device	Notes for above	line :											
Supported on por	ts 53 and 54 only												
Transceiver Note	es for above line	:											
	EC), 30km (without												
*	G-ER4L-S allows T	,	vith +4.5 (I	Max) to -2.	9 (Min) an	nd Rx Power range	with -4.9 (N	Max) to -19.9 (N	1in)				
N9K-C9348GC- FXP	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 10.1.1	NX-OS 10.1.1
Transceiver Not	es for above line												
	EC), 30km (without												
	G-ER4L-S allows T	,	/ith ±4.5./!	May) to -2	Q (Min) on	nd Ry Power range	with -/ 0 /	10 0 (N	(in)				
	G-LIVAL-S AIIUWS T		1	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to	Ιγ	ACI-	ACI-
N9K-C93240YC-	QSFP-100G-	TMG	100										

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
Network Device • Supported on por	Notes for above	line :										•	
	es for above line	:											
,	EC), 30km (without G-ER4L-S allows T		/ith +4 5 (N	Max) to -2	9 (Min) an	d Ry Power range v	with -4 9 (N	lax) to -19 9 (M	in)				
N9K-C93240YC-	QSFP-100G-	TMG	100	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to	Υ	NX-OS	NX-OS
FX2	ER4L-S	l.	Gbps	8						70C		9.3.1	9.3.1
 Network Device Supported on por 	Notes for above ts 49-60	line :											
	es for above line												
,	FEC), 30km (without G-ER4L-S allows To	,	/ith +4.5 (N	Max) to -2.	9 (Min) an	d Rx Power range v	with -4.9 (N	lax) to -19.9 (M	in)				
N9K-C9336C-FX2	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	NX-OS 9.2.1	NX-OS 9.2.1
Transceiver Not	es for above line		ТООРО	1,0				1		1.00		10.2	0.2
• 40km (with host F	EC), 30km (without	host FEC)											
 V01 of QSFP-100 N9K-C9336C-FX2 	QSFP-100G-	x Power range w	/ith +4.5 (N 100	Max) to -2. QSFP2	9 (Min) an 40km	d Rx Power range v	with -4.9 (N SMF	lax) to -19.9 (M LC (UPC)	in) Optic	0 to	Ιγ	ACI-	ACI-
Not coocco 1 X2	ER4L-S	11110	Gbps	8	4010111	Bupiex 1 ibei	Own	20 (01 0)	Оршо	70C		N9KDK9- 14.0(1)	N9KDK9 -14.0(1)
Transceiver Not	es for above line	:		•	•						_		. , ,
,	EC), 30km (without		45.0		o (14:)								
• V01 of QSFP-100 N9K-C93108TC-	G-ER4L-S allows T	X Power range w	/ith +4.5 (N 100	Max) to -2. QSFP2	9 (Min) an	d Rx Power range v	with -4.9 (N SMF	lax) to -19.9 (M LC (UPC)	Optic	0 to	ΙΥ	ACI-	ACI-
EX	ER4L-S		Gbps	8	10	Барюх г вог		20 (0. 0)	Op.iio	70C		N9KDK9- 14.0(1)	N9KDK9 -14.0(1)
Transceiver Not	es for above line	:		•				•					
,	EC), 30km (without	,											
• V01 of QSFP-100 N9K-C93108TC-	QSFP-100G-	X Power range w	/ith +4.5 (I	QSFP2	9 (Min) an 40km	Duplex Fiber	SMF	lax) to -19.9 (M LC (UPC)	Optic	0 to	Υ	NX-OS	NX-OS
EX	ER4L-S		Gbps	8			1	()		70C		9.3.1	9.3.1
	es for above line EC), 30km (without												
,	G-ER4L-S allows T:		/ith +4.5 (N	Max) to -2.	9 (Min) an	d Rx Power range v	with -4.9 (N	lax) to -19.9 (M	in)				
N9K-C93180LC- EX	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	NX-OS 9.2.1	NX-OS 9.2.1
Network Device	Notes for above	line ·											
	port mode: 28x40G		29-32, 24	x40G+6x1	00G - por	ts 25,27,29-32, 18x	100G ports	- 1,3,5,27,29	9-32				
	es for above line												
,	FEC), 30km (without G-ER4L-S allows Ta	,	/ith +4.5 (N	Max) to -2.	9 (Min) an	d Rx Power range v	with -4.9 (N	lax) to -19.9 (M	in)				
N9K-C93180LC- EX	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI- N9KDK9-	ACI- N9KDK9
			Соро	Ľ						1.00		14.0(1)	-14.0(1)
	Notes for above			4 04 00		a hoodinahilad) - Do			NOKENO 40 4(4)				
· '	1,25,27,29-32; break es for above line	•	only from	1 1- 24; 26	and 28 ar	e hw-disabled). Bi	reakout su	oported in ACI-I	N9KDK9-13.1(1)	•			
• 40km (with host F	EC), 30km (without	host FEC)											
• V01 of QSFP-100 N9K-C93108TC-	QSFP-100G-	x Power range w	/ith +4.5 (N 100	Max) to -2. QSFP2	9 (Min) an	d Rx Power range v	with -4.9 (N SMF	lax) to -19.9 (M LC (UPC)	in) Optic	0 to	Υ	ACI-	ACI-
FX	ER4L-S	TIMO	Gbps	8	TOKIII	Duplex Fiber	Oivii	20 (01 0)	Орис	0 to 70C	ļ ·	N9KDK9- 14.0(1)	N9KDK9 -14.0(1)
Transceiver Not	es for above line					l .							- (/
• 40km (with host F	EC), 30km (without	host FEC)											
• V01 of QSFP-100 N9K-C93108TC-	QSFP-100G-	x Power range w	/ith +4.5 (N 100	Max) to -2. QSFP2	9 (Min) an 40km	d Rx Power range v	with -4.9 (N SMF	lax) to -19.9 (M LC (UPC)	in) Optic	0 to	Ιγ	NX-OS	NX-OS
FX	ER4L-S	TIVIG	Gbps	8	40KIII	Duplex Fiber	SIVIE	LC (OPC)	Орис	70C		9.3.1	9.3.1
	es for above line												
,	FEC), 30km (without G-ER4L-S allows To	,	/ith +4 5 (N	Max) to -2	9 (Min) an	d Rx Power range v	with -4 9 (N	lax) to -19 9 (M	in)				
N9K-C9364C	QSFP-100G-	TMG	100	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to	Υ	ACI-	ACI-
	ER4L-S		Gbps	8						70C		N9KDK9- 14.0(1)	N9KDK9 -14.0(1)
Network Device	Notes for above	line :											
Supported on por Transported on Port	•												
	es for above line FEC), 30km (without												
	G-ER4L-S allows T									la:	l.,	LW 25	In. 2-
N9K-C9364C	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	NX-OS 9.3.5	NX-OS 9.3.5
Transceiver Not	es for above line	:											
,	EC), 30km (without	,	(ith . 4 5 (Max\ to 0	Q (Min) a	d Dy Dower	with 40.4	lay) to 10.0 (14	in)				
• V01 of QSFP-100 N9K-C9332C	QSFP-100G-	TMG	100 /ith +4.5	QSFP2	9 (Min) an 40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to	Υ	ACI-	ACI-
	ER4L-S		Gbps	8	L		<u>L</u>		Ĺ	70C		N9KDK9- 14.0(1)	N9KDK9 -14.0(1)

Network Device	Transciever	Transceiver	Data	Form	Reach	Cable Type	Media	Connector	Transceiver	Case	DOM	Min	DOM
Product ID	Product ID	Business Unit	Rate	Factor	rteacii	Cable Type	Ivicula	Туре	Туре	Temp	Capable	Software Support	Support
Supported on port													
	es for above line: EC), 30km (without												
,	G-ER4L-S allows T		vith +4.5 (N	Max) to -2.	9 (Min) an	d Rx Power range v	with -4.9 (N	1ax) to -19.9 (M	lin)	,	_	_	_
N9K-C9332C	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	NX-OS 10.2(3)	NX-OS 10.2(3)
Supported on port													
	es for above line : EC), 30km (without												
	G-ER4L-S allows T	1						1	1	1		_	
N9K-C93360YC- FX2	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 9.3.1	NX-OS 9.3.1
• 40km (with host F	es for above line : EC), 30km (without IG-ER4L-S allows Ta	host FEC)	vith +4 5 (N	Max) to -2	9 (Min) an	d Ry Power range v	with -4 9 (N	Max) to -19 9 (M	lin)				
N9K-C93360YC- FX2	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI- N9KDK9-	ACI- N9KDK9
Notwork Daviso	Notes for above l	ino :					1					14.1(2)	-14.1(2)
Supported on por	Notes for above I ts 97-108.	ine :											
	es for above line												
,	EC), 30km (without G-ER4L-S allows To	,	rith +4.5 (N	Max) to -2.	9 (Min) an	d Rx Power range	with -4.9 (N	1ax) to -19.9 (M	lin)	_	_	_	_
N9K-C93216TC- FX2	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	NX-OS 9.3.1	NX-OS 9.3.1
	es for above line					•					1		
,	EC), 30km (without	,											
 V01 of QSFP-100 N9K-C93216TC- 	G-ER4L-S allows To	x Power range w	100 tth +4.5	Max) to -2.	9 (Min) an 40km	d Rx Power range v Duplex Fiber	SMF	lax) to -19.9 (M LC (UPC)	Optic	0 to	Τγ	ACI-	ACI-
FX2	ER4L-S		Gbps	8				()		70C		N9KDK9- 14.1(2)	N9KDK9 -14.1(2)
	es for above line												
• 40km (with host F	EC), 30km (without	,											
• 40km (with host F • V01 of QSFP-100	EC), 30km (without G-ER4L-S allows To	x Power range w	· ·	T '	Γ` ΄		1	T .	T '	0 to	Tv	ACI-	ACI-
• 40km (with host F	EC), 30km (without	,	100 Gbps	Max) to -2.	9 (Min) an 40km	d Rx Power range v	with -4.9 (N	1ax) to -19.9 (M LC (UPC)	Optic	0 to 70C	Y	ACI- N9KDK9- 14.2(2)	ACI- N9KDK9 -14.2(2)
40km (with host F V01 of QSFP-100 N9K-C93600CD-GX Transceiver Note 40km (with host F	EC), 30km (without G-ER4L-S allows To QSFP-100G- ER4L-S es for above line EC), 30km (without	TMG t Power range w	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic		Y	N9KDK9-	N9KDK9
40km (with host F V01 of QSFP-100 N9K-C93600CD-GX Transceiver Note 40km (with host F	GEC), 30km (without IG-ER4L-S allows To QSFP-100G- ER4L-S	TMG t Power range w	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic		Y	N9KDK9-	N9KDK9
40km (with host F V01 of QSFP-100 N9K-C93600CD- GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C93600CD- GX	GEC), 30km (without GER4L-S allows To QSFP-100G-ER4L-S allows To QSFP-100G-ER4L-S allows To QSFP-100G-ER4L-S	TMG thost FEC) R Power range w TMG	100 Gbps rith +4.5 (N	QSFP2 8	40km 9 (Min) an	Duplex Fiber	SMF	LC (UPC)	Optic	70C		N9KDK9- 14.2(2)	N9KDK9 -14.2(2)
40km (with host F V01 of QSFP-100 N9K-C93600CD- GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C93600CD- GX Transceiver Note 40km (with host F	EC), 30km (without IG-ER4L-S allows T: QSFP-100G-ER4L-S es for above line : EC), 30km (without IG-ER4L-S allows T: QSFP-100G-	c Power range w TMG host FEC) c Power range w TMG TMG host FEC)	100 Gbps with +4.5 (N 100 Gbps	QSFP2 8 Max) to -2. QSFP2 8	40km 9 (Min) an 40km	Duplex Fiber d Rx Power range v Duplex Fiber	SMF with -4.9 (N	LC (UPC)	Optic in) Optic	70C		N9KDK9- 14.2(2)	N9KDK9 -14.2(2)
40km (with host F V01 of QSFP-100 N9K-C93600CD- GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C93600CD- GX Transceiver Note 40km (with host F	EC), 30km (without IG-ER4L-S allows To IGSP-100G-ER4L-S allows IGSP-100G-ER4L-S allows IGSP-100G-ER4L-S allows I	c Power range w TMG host FEC) c Power range w TMG TMG host FEC)	100 Gbps with +4.5 (N 100 Gbps	QSFP2 8 Max) to -2. QSFP2 8	40km 9 (Min) an 40km	Duplex Fiber d Rx Power range v Duplex Fiber	SMF with -4.9 (N	LC (UPC)	Optic in) Optic	70C		NSKDK9- 14.2(2) NX-OS 9.3(3)	NX-OS 9.3(3)
40km (with host F V01 of QSFP-100 N9K-C93600CD-GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C93600CD-GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C9316D-GX	GEC), 30km (without G-ER4L-S allows To QSFP-100G-ER4L-S) allows To QSFP-100G-ER4L-S allows To QSFP-100G-ER4L-S) allows To QSFP-100G-ER4L-S allows To QSFP-100G-ER4L-S allows To QSFP-100G-ER4L-S	c Power range w TMG thost FEC) c Power range w TMG thost FEC) c Power range w TMG thost FEC) c Power range w TMG	100 Gbps with +4.5 (N 100 Gbps	Aax) to -2. QSFP2 Max) to -2. QSFP2 QSFP2	40km 9 (Min) an 40km 9 (Min) an	Duplex Fiber d Rx Power range v Duplex Fiber d Rx Power range v	SMF with -4.9 (N	LC (UPC) fax) to -19.9 (M LC (UPC)	Optic in) Optic	0 to 70C	Y	N9KDK9- 14.2(2) NX-OS 9.3(3)	NX-OS 9.3(3)
40km (with host F V01 of QSFP-100 N9K-C93600CD- GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C93600CD- GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C9316D-GX Transceiver Note 40km (with host F	GEC), 30km (without G-ER4L-S allows To QSFP-100G-ER4L-S allows To QSFP-100G	TMG Chost FEC) R Power range w TMG TMG TMG Chost FEC) R Power range w TMG Chost FEC) R Power range w TMG	100 Gbps with +4.5 (N 100 Gbps with +4.5 (N 100 Gbps	Aax) to -2. QSFP2 Max) to -2. QSFP2 Aax) to -2.	9 (Min) an 40km 9 (Min) an 40km	d Rx Power range v Duplex Fiber d Rx Power range v Duplex Fiber	with -4.9 (N SMF	lax) to -19.9 (M LC (UPC)	Optic In) Optic Optic Optic	0 to 70C	Y	NSKDK9- 14.2(2) NX-OS 9.3(3)	NX-OS 9.3(3)
40km (with host F V01 of QSFP-100 N9K-C93600CD- GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C93600CD- GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C9316D-GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C9316D-GX	GEC), 30km (without G-ER4L-S allows To QSFP-100G-ER4L-S allows To QSFP-100G	Power range w TMG TMG Power range w TMG TMG TMG Power range w TMG TMG C Power range w TMG TMG TMG TMG TMG TMG TMG	100 Gbps iith +4.5 (N 100 Gbps iith +4.5 (N 100 Gbps	Aax) to -2. QSFP2 Max) to -2. QSFP2 Aax) to -2.	9 (Min) an 40km 9 (Min) an 40km	Duplex Fiber d Rx Power range v Duplex Fiber d Rx Power range v Duplex Fiber	with -4.9 (N SMF with -4.9 (N SMF	lax) to -19.9 (M LC (UPC)	Optic In) Optic Optic Optic	0 to 70C	Y	N9KDK9- 14.2(2) NX-OS 9.3(3) ACI- N9KDK9- 14.2(2)	NK-OS 9.3(3) ACI- N9KDK9 -14.2(2)
40km (with host F V01 of QSFP-100 N9K-C93600CD- GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C93600CD- GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C9316D-GX Transceiver Note 40km (with host F	GEC), 30km (without G-ER4L-S allows To QSFP-100G-ER4L-S allows To QSFP-100G	TMG Chost FEC) R Power range w TMG TMG TMG Chost FEC) R Power range w TMG Chost FEC) R Power range w TMG	100 Gbps with +4.5 (N 100 Gbps with +4.5 (N 100 Gbps	Aax) to -2. QSFP2 Max) to -2. QSFP2 Aax) to -2.	9 (Min) an 40km 9 (Min) an 40km	d Rx Power range v Duplex Fiber d Rx Power range v Duplex Fiber	with -4.9 (N SMF	lax) to -19.9 (M LC (UPC)	Optic In) Optic Optic Optic	0 to 70C	Y	NSKDK9- 14.2(2) NX-OS 9.3(3)	NX-OS 9.3(3)
40km (with host F V01 of QSFP-100 N9K-C93600CD-GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C93600CD-GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C9316D-GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C9316D-GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C9316D-GX Transceiver Note 40km (with host F 40km (with host F 40km (with host F V01 of QSFP-100 N9K-C9316D-GX	EC), 30km (without IG-ER4L-S allows T: QSFP-100G-ER4L-S allows T: QSFP-100G	Power range w TMG thost FEC) Power range w TMG thost FEC) Power range w TMG TMG thost FEC) Power range w TMG thost FEC) Power range w TMG thost FEC) Power range w TMG	100 Gbps rith +4.5 (N 100 Gbps rith +4.5 (N 100 Gbps	Aax) to -2. QSFP2 Aax) to -2. QSFP2 Aax) to -2. QSFP2 B	9 (Min) an 40km 9 (Min) an 40km 9 (Min) an 40km	Duplex Fiber d Rx Power range v Duplex Fiber d Rx Power range v Duplex Fiber d Rx Power range v Duplex Fiber	with -4.9 (N SMF with -4.9 (N SMF	LC (UPC) Max) to -19.9 (M LC (UPC) Max) to -19.9 (M LC (UPC)	Optic In) Optic Optic in) Optic	0 to 70C	Y	NX-OS 9.3(3) NX-OS 9.3(2)	NX-OS 9.3(3) ACI- NSKDK9 -14.2(2)
40km (with host F V01 of QSFP-100 N9K-C93600CD-GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C93600CD-GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C9316D-GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C9316D-GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C9316D-GX Transceiver Note 40km (with host F 40km (with host F 40km (with host F V01 of QSFP-100 N9K-C9316D-GX	EC), 30km (without IG-ER4L-S allows To IGSPP-100G-ER4L-S a	Power range w TMG thost FEC) Power range w TMG thost FEC) Power range w TMG TMG thost FEC) Power range w TMG thost FEC) Power range w TMG thost FEC) Power range w TMG	100 Gbps rith +4.5 (N 100 Gbps rith +4.5 (N 100 Gbps	Aax) to -2. QSFP2 Aax) to -2. QSFP2 Aax) to -2. QSFP2 Aax) to -2. QSFP2	9 (Min) an 40km 9 (Min) an 40km 9 (Min) an 40km	Duplex Fiber d Rx Power range v Duplex Fiber d Rx Power range v Duplex Fiber d Rx Power range v Duplex Fiber	with -4.9 (N SMF with -4.9 (N SMF	LC (UPC) Max) to -19.9 (M LC (UPC) Max) to -19.9 (M LC (UPC)	Optic In) Optic Optic in) Optic	0 to 70C 0 to 70C 0 to 70C	Y	N9KDK9- 14.2(2) NX-OS 9.3(3) ACI- N9KDK9- 14.2(2) NX-OS 9.3(3)	NX-OS 9.3(3) ACI- NX-OS 9.3(3) NX-OS 9.3(3)
40km (with host F V01 of QSFP-100 N9K-C93600CD-GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C93600CD-GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C9316D-GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C9316D-GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C9316D-GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C9364C-GX	EC), 30km (without of G-ER4L-S allows To QSFP-100G-ER4L-S	TMG Chost FEC) Chost FEC	100 Gbps with +4.5 (N 100 Gbps	Aax) to -2. QSFP2 Max) to -2. QSFP2 Aax) to -2. QSFP2 Aax) to -2.	9 (Min) an 40km 9 (Min) an 40km 9 (Min) an 40km	d Rx Power range v Duplex Fiber d Rx Power range v Duplex Fiber d Rx Power range v Duplex Fiber	with -4.9 (N SMF with -4.9 (N SMF	lax) to -19.9 (M LC (UPC) lax) to -19.9 (M LC (UPC) lax) to -19.9 (M LC (UPC)	in) Optic Optic in) Optic Optic in) Optic	0 to 70C 0 to 70C 0 to 70C	Y	NX-OS 9.3(3) ACI- N9KDK9- 14.2(2) NX-OS 9.3(3)	NX-OS 9.3(3) ACI- NSKDK9 -14.2(2) NX-OS 9.3(3)
40km (with host F V01 of QSFP-100 N9K-C93600CD- GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C93600CD- GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C9316D-GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C9316D-GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C9316D-GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C9364C-GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C9364C-GX	EC), 30km (without IG-ER4L-S allows To IGSPP-100G-ER4L-S a	TMG Chost FEC)	100 Gbps rith +4.5 (N 100 Gbps	Aax) to -2. QSFP2 Aax) to -2. QSFP2 Aax) to -2. QSFP2 Aax) to -2. QSFP2 B	9 (Min) an 40km 9 (Min) an 40km 9 (Min) an 40km 9 (Min) an 40km	Duplex Fiber d Rx Power range v Duplex Fiber d Rx Power range v Duplex Fiber d Rx Power range v Duplex Fiber	with -4.9 (N SMF with -4.9 (N SMF with -4.9 (N SMF	Max) to -19.9 (M LC (UPC)	in) Optic in) Optic in) Optic in) Optic	0 to 70C 0 to 70C 0 to 70C	Y	NY-OS 9.3(3) ACI- N9KDK9- 14.2(2) NX-OS 9.3(3)	NK-OS 9.3(3) ACI-N9KDK9 -14.2(2) NX-OS 9.3(3)
40km (with host F V01 of QSFP-100 N9K-C93600CD- GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C93600CD- GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C9316D-GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C9316D-GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C9316D-GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C9364C-GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C9364C-GX	EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S es for above line (EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S es for above line (EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S es for above line (EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S es for above line (EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S es for above line (EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S allows T) QSFP-100G-ER4L-S allows T) QSFP-100G-ER4L-S allows T) QSFP-100G-ER4L-S allows T)	TMG Chost FEC)	100 Gbps rith +4.5 (N 100 Gbps	Aax) to -2. QSFP2 Aax) to -2. QSFP2 Aax) to -2. QSFP2 Aax) to -2. QSFP2 B	9 (Min) an 40km 9 (Min) an 40km 9 (Min) an 40km 9 (Min) an 40km	Duplex Fiber d Rx Power range v Duplex Fiber d Rx Power range v Duplex Fiber d Rx Power range v Duplex Fiber	with -4.9 (N SMF with -4.9 (N SMF with -4.9 (N SMF	Max) to -19.9 (M LC (UPC)	in) Optic in) Optic in) Optic in) Optic	0 to 70C 0 to 70C 0 to 70C	Y	NY-OS 9.3(3) ACI- N9KDK9- 14.2(2) NX-OS 9.3(3)	NK-OS 9.3(3) ACI-N9KDK9 -14.2(2) NX-OS 9.3(3)
40km (with host F V01 of QSFP-100 N9K-C93600CD-GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C93600CD-GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C9316D-GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C9316D-GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C9316D-GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C9364C-GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C9364C-GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C9364C-GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C9364C-GX Transceiver Note 40km (with host F V01 of QSFP-100 N9K-C9364C-GX	EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S es for above line EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S es for above line EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S es for above line EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S es for above line EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S es for above line EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S es for above line EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S es for above line EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S es for above line EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S	Power range w TMG TMG TMG TMG TMG TMG TMG TMG	100 Gbps with +4.5 (Mode) 100 Gbps	Aax) to -2. QSFP2 Aax) to -2.	9 (Min) an 40km 9 (Min) an 40km 9 (Min) an 40km 9 (Min) an 40km	Duplex Fiber d Rx Power range v Duplex Fiber	with -4.9 (N SMF with -4.9 (N SMF with -4.9 (N SMF	fax) to -19.9 (M LC (UPC)	in) Optic in) Optic in) Optic in) Optic in) Optic	0 to 70C 0 to 70C 0 to 70C 0 to 70C	Y	N9KDK9- 14.2(2) NX-OS 9.3(3) ACI- N9KDK9- 14.2(2) NX-OS 9.3(3)	NSKDK9 -14.2(2) NX-OS 9.3(3) ACI- NSKDK9 -14.2(2) NX-OS 9.3(3)
• 40km (with host F • V01 of QSFP-100 N9K-C93600CD- GX Transceiver Note • 40km (with host F • V01 of QSFP-100 N9K-C93600CD- GX Transceiver Note • 40km (with host F • V01 of QSFP-100 N9K-C9316D-GX Transceiver Note • 40km (with host F • V01 of QSFP-100 N9K-C9316D-GX Transceiver Note • 40km (with host F • V01 of QSFP-100 N9K-C9316D-GX Transceiver Note • 40km (with host F • V01 of QSFP-100 N9K-C9364C-GX Transceiver Note • 40km (with host F • V01 of QSFP-100 N9K-C9364C-GX Transceiver Note • 40km (with host F • V01 of QSFP-100 N9K-C9364C-GX Transceiver Note • 40km (with host F • V01 of QSFP-100	EC), 30km (without IG-ER4L-S allows T: QSFP-100G-ER4L-S allows T: QSFP-100G	Power range w TMG TMG host FEC) Power range w TMG TMG host FEC) Power range w TMG TMG TMG TMG TMG TMG TMG TMG	100 Gbps with +4.5 (Modes) rith +4.5 (Modes)	Aax) to -2. QSFP2 Aax) to -2. QSFP2 Aax) to -2. QSFP2 Aax) to -2. QSFP2 Aax) to -2.	9 (Min) an 40km 9 (Min) an 40km 9 (Min) an 40km 9 (Min) an 40km	Duplex Fiber d Rx Power range v Duplex Fiber	with -4.9 (N SMF with -4.9 (N SMF with -4.9 (N SMF with -4.9 (N SMF	lax) to -19.9 (M LC (UPC) lax) to -19.9 (M LC (UPC)	in) Optic in) Optic in) Optic in) Optic in) Optic	0 to 70C 0 to 70C 0 to 70C 0 to 70C	Y	NSKDK9- 14.2(2) NX-OS 9.3(3) ACI- N9KDK9- 14.2(2) NX-OS 9.3(3) ACI- N9KDK9- 14.2(2)	NX-OS 9.3(3) NX-OS 9.3(3) ACI- N9KDK9 -14.2(2) NX-OS 9.3(3)
• 40km (with host F • V01 of QSFP-100 N9K-C93600CD- GX Transceiver Note • 40km (with host F • V01 of QSFP-100 N9K-C93600CD- GX Transceiver Note • 40km (with host F • V01 of QSFP-100 N9K-C9316D-GX Transceiver Note • 40km (with host F • V01 of QSFP-100 N9K-C9316D-GX Transceiver Note • 40km (with host F • V01 of QSFP-100 N9K-C9364C-GX Transceiver Note • 40km (with host F • V01 of QSFP-100 N9K-C9364C-GX Transceiver Note • 40km (with host F • V01 of QSFP-100 N9K-C9364C-GX Transceiver Note • 40km (with host F • V01 of QSFP-100 N9K-C9364C-GX Transceiver Note • 40km (with host F • V01 of QSFP-100 N9K-C9364C-GX	EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S es for above line EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S es for above line EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S es for above line EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S es for above line EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S es for above line EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S es for above line EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S es for above line EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S es for above line EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S	Power range w TMG TMG TMG TMG TMG TMG TMG TMG	100 Gbps with +4.5 (Mode) 100 Gbps	Aax) to -2. QSFP2 Aax) to -2.	9 (Min) an 40km 9 (Min) an 40km 9 (Min) an 40km 9 (Min) an 40km	Duplex Fiber d Rx Power range v Duplex Fiber	with -4.9 (N SMF with -4.9 (N SMF with -4.9 (N SMF	fax) to -19.9 (M LC (UPC)	in) Optic in) Optic in) Optic in) Optic in) Optic	0 to 70C 0 to 70C 0 to 70C 0 to 70C	Y	N9KDK9- 14.2(2) NX-OS 9.3(3) ACI- N9KDK9- 14.2(2) NX-OS 9.3(3)	NSKDK9 -14.2(2) NX-OS 9.3(3) ACI- NSKDK9 -14.2(2) NX-OS 9.3(3)
• 40km (with host F • V01 of QSFP-100 N9K-C93600CD- GX Transceiver Note • 40km (with host F • V01 of QSFP-100 N9K-C93600CD- GX Transceiver Note • 40km (with host F • V01 of QSFP-100 N9K-C9316D-GX Transceiver Note • 40km (with host F • V01 of QSFP-100 N9K-C9316D-GX Transceiver Note • 40km (with host F • V01 of QSFP-100 N9K-C9364C-GX Transceiver Note • 40km (with host F • V01 of QSFP-100 N9K-C9364C-GX Transceiver Note • 40km (with host F • V01 of QSFP-100 N9K-C9364C-GX Transceiver Note • 40km (with host F • V01 of QSFP-100 N9K-C9364C-GX Transceiver Note • 40km (with host F • V01 of QSFP-100 N9K-C93180YC- FX3S Transceiver Note • 40km (with host F	EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S es for above line (EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S es for above line (EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S es for above line (EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S es for above line (EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S es for above line (EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S es for above line (EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S es for above line (EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S es for above line (EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S es for above line (EC), 30km (without IG-ER4L-S)	Power range w TMG TMG TMG TMG TMG TMG TMG TMG	100 Gbps rith +4.5 (N 100 Gbps	Aax) to -2. QSFP2 Aax) to -2. QSFP2	9 (Min) an 40km	Duplex Fiber d Rx Power range v Duplex Fiber	with -4.9 (N SMF with -4.9 (N SMF with -4.9 (N SMF with -4.9 (N SMF	LC (UPC)	in) Optic in) Optic in) Optic in) Optic in) Optic in) Optic in) Optic	0 to 70C 0 to 70C 0 to 70C 0 to 70C 0 to 70C	Y	NSKOK9- 14.2(2) NX-OS 9.3(3) ACI- N9KDK9- 14.2(2) NX-OS 9.3(3) ACI- N9KDK9- 14.2(3I) NX-OS 9.3(3)	NX-OS 9.3(3) ACI-N9KDK9 -14.2(2) NX-OS 9.3(3) ACI-N9KDK9 -14.2(2) NX-OS 9.3(3)
• 40km (with host F • V01 of QSFP-100 N9K-C93600CD- GX Transceiver Note • 40km (with host F • V01 of QSFP-100 N9K-C93600CD- GX Transceiver Note • 40km (with host F • V01 of QSFP-100 N9K-C9316D-GX Transceiver Note • 40km (with host F • V01 of QSFP-100 N9K-C9316D-GX Transceiver Note • 40km (with host F • V01 of QSFP-100 N9K-C9364C-GX Transceiver Note • 40km (with host F • V01 of QSFP-100 N9K-C9364C-GX Transceiver Note • 40km (with host F • V01 of QSFP-100 N9K-C9364C-GX Transceiver Note • 40km (with host F • V01 of QSFP-100 N9K-C9364C-GX Transceiver Note • 40km (with host F • V01 of QSFP-100 N9K-C93180YC- FX3S Transceiver Note • 40km (with host F	EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S es for above line EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S es for above line EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S es for above line EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S es for above line EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S es for above line EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S es for above line EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S es for above line EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S es for above line EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S es for above line EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S es for above line EC), 30km (without IG-ER4L-S allows T) QSFP-100G-ER4L-S	Power range w TMG TMG TMG TMG TMG TMG TMG TMG	100 Gbps rith +4.5 (N 100 Gbps	Aax) to -2. QSFP2 Aax) to -2. QSFP2	9 (Min) an 40km	Duplex Fiber d Rx Power range v Duplex Fiber	with -4.9 (N SMF with -4.9 (N SMF with -4.9 (N SMF with -4.9 (N SMF	LC (UPC)	in) Optic in) Optic in) Optic in) Optic in) Optic in) Optic in) Optic	0 to 70C 0 to 70C 0 to 70C 0 to 70C 0 to 70C	Y	NSKOK9- 14.2(2) NX-OS 9.3(3) ACI- N9KDK9- 14.2(2) NX-OS 9.3(3) ACI- N9KDK9- 14.2(3I) NX-OS 9.3(3)	NX-OS 9.3(3) ACI-N9KDK9 -14.2(2) NX-OS 9.3(3) ACI-N9KDK9 -14.2(2) NX-OS 9.3(3)

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
• 40km (with host F	es for above line : EC), 30km (without l G-ER4L-S allows Tx	host FEC)	ith ±4.5 (N	Max) to -2	9 (Min) an	d Ry Power range v	with -4.9 (M	av) to -19 9 (M	in)				
N9K-C93180YC- FX3	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	NX-OS 10.1(1)	NX-OS 10.1(1)
• 40km (with host F	es for above line : EC), 30km (without l G-ER4L-S allows Tx	host FEC)	ith +4.5 (N	10x) to -2	Q (Min) an	d Py Power range v	with -4.9 (M	av) to -10 0 (M	in)				
N9K-C9336C- FX2-E	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	NX-OS 10.1.1	NX-OS 10.1.1
• 40km (with host F	es for above line : EC), 30km (without l G-ER4L-S allows Tx	host FEC)	ith ±4.5 (N	Max) to -2	9 (Min) an	d Ry Power range y	with -4 Q (M	av) to -10 0 (M	in)				
N9K-C9336C- FX2-E	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	ACI- N9KDK9- 15.2(4)	ACI- N9KDK9 -15.2(4)
• 40km (with host F	es for above line : EC), 30km (without	host FEC)										15.2(4)	-13.2(4)
N9K-C93108TC-	G-ER4L-S allows Tx	Power range w	100	QSFP2	9 (Min) an 40km	d Rx Power range v Duplex Fiber	sMF	ax) to -19.9 (M LC (UPC)	in) Optic	0 to	Υ	ACI-	ACI-
FX3P	ER4L-S		Gbps	8						70C		N9KDK9- 15.1(3)	N9KDK9 -15.1(3)
• 40km (with host F	es for above line : EC), 30km (without l G-ER4L-S allows Tx	host FEC)	rith +4.5 (N	/lax) to -2.	9 (Min) an	d Rx Power range v	vith -4.9 (M	ax) to -19.9 (M	in)				
	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 9.3.5	NX-OS 9.3.5
• 40km (with host F	es for above line : EC), 30km (without l G-ER4L-S allows Tx	host FEC)	ith ±4.5 (N	Max) to -2	9 (Min) an	d Ry Power range y	with -4 Q (M	av) to -10 0 (M	in)				
N9K-C9332D- GX2B	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	ACI- N9KDK9- 15.2(3)	ACI- N9KDK9 -15.2(3)
• 40km (with host F	es for above line : EC), 30km (without l G-ER4L-S allows Tx	host FEC)	:i45 . 4 5 /h	April to 2	O (Min) on	d Dy Dower rooms	40 (14	av) to 40.0 (M	:\				
N9K-C9332D- GX2B	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	NX-OS 10.2(1q) F	NX-OS 10.2(1q)
Transceiver Note	es for above line :		O S P C							1.00		10.2(14)	F F
,	G-ER4L-S allows Tx		ith +4.5 (N	Max) to -2.	9 (Min) an	d Rx Power range v	vith -4.9 (M	ax) to -19.9 (M LC (UPC)	in) Optic	0 to	Ιγ	ACI-	ACI-
GX2A	ER4L-S	TIVIG	Gbps	8	408111	Dublex Liber	Sivii	LC (UFC)	Орис	70C	'	N9KDK9- 15.2(5)	N9KDK9 -15.2(5)
• 40km (with host F	es for above line : EC), 30km (without l G-ER4L-S allows Tx	host FEC)	ith +4 5 (N	Max) to -2	9 (Min) an	d Rx Power range v	vith -4 9 (M	ax) to -19 9 (M	in)				
N9K-C9348D- GX2A	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	NX-OS 10.2(3) F	NX-OS 10.2(3) F
Transceiver Note • 40km (with host F	es for above line : EC), 30km (without l G-ER4L-S allows Tx	host FEC)		4	0 (14):->	d D. D.					1	1 - (-)	1 - 1-7
N9K-C9364D- GX2A	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	ACI- N9KDK9-	ACI- N9KDK9
	es for above line :		Обра							1,00		15.2(5)	-15.2(5)
• 40km (with host F	EC), 30km (without l	host FEC)	:: 4 E /A	1	0 (84:-)	4 D.: D.:							
N9K-C9364D-	G-ER4L-S allows Tx QSFP-100G- ER4L-S	TMG	100	QSFP2	9 (Min) an 40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	NX-OS 10.2(3) F	NX-OS
• 40km (with host F	es for above line : EC), 30km (without	host FEC)	Gbps							700		10.2(3) F	10.2(3) F
N9K-C9332D-	G-ER4L-S allows Tx QSFP-100G-	Power range w	100	QSFP2	9 (Min) an 40km	d Rx Power range v Duplex Fiber	SMF	ax) to -19.9 (M LC (UPC)	in) Optic	0 to	Υ	NX-OS	NX-OS
	es for above line : EC), 30km (without		Gbps	8						70C		10.4(1)	10.4(1)
N9K-C9348GC-	G-ER4L-S allows Tx QSFP-100G-	Power range w	100	QSFP2	9 (Min) an 40km	d Rx Power range v Duplex Fiber	sMF	ax) to -19.9 (M LC (UPC)	Optic	0 to	Υ	NX-OS	NX-OS
	ER4L-S es for above line : EC), 30km (without l		Gbps	8			1			70C		10.4(1)	10.4(1)
• V01 of QSFP-100	G-ER4L-S allows Tx	Power range w					T '			I.e.	l.,	I.o.	lac:
N9K-C9348GC- FX3	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	ACI- N9KDK9- 16.0(5)	ACI- N9KDK9 -16.0(5)

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
• 40km (with host F	es for above line EC), 30km (without IG-ER4L-S allows T	host FEC)	ith 145/1	May) to 2	O (Min) on	d Dy Dower range v	with 40/N	lov) to 10.0 (N	lin)				
N9K-C9348GC- FX3PH	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	NX-OS 10.4(1)	NX-OS 10.4(1)
• 40km (with host F	es for above line FEC), 30km (without IG-ER4L-S allows T: QSFP-100G- ER4L-S	host FEC)	vith +4.5 (N	Max) to -2.	9 (Min) an 40km	d Rx Power range v	vith -4.9 (M	1ax) to -19.9 (M LC (UPC)	lin)	0 to 70C	Υ	NX-OS 10.4(2)F	NX-OS 10.4(2)F
• 40km (with host F	es for above line EC), 30km (without IG-ER4L-S allows T: QSFP-100G- ER4L-S	host FEC)			9 (Min) an 40km	d Rx Power range v	vith -4.9 (M	lax) to -19.9 (M	lin) Optic	0 to 70C	Y	NX-OS 10.4(2)F	NX-OS 10.4(2)F
Transceiver Note • 40km (with host F	es for above line FEC), 30km (without IG-ER4L-S allows T: QSFP-100G- ER4L-S	host FEC)			9 (Min) an 40km	d Rx Power range v	vith -4.9 (M	lax) to -19.9 (M	lin) Optic	0 to 70C	Υ	ACI- N9KDK9-	ACI- N9KDK9
Transceiver Note • 40km (with host F	es for above line EC), 30km (without IG-ER4L-S allows T	host FEC)			9 (Min) an	d Rx Power range v	vith -4.9 (N	lax) to -19.9 (M	lin)	1.00		16.0(5)	-16.0(5)
N9K-C93400LD- H1	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	NX-OS 10.4(2)F	NX-OS 10.4(2)F
	es for above line EC), 30km (without												

ASR1000

		Transceiver Business Unit	Data Rate	Form Factor	Reach	Cable Type	Media	Connector Type	Transceiver Type	Case Temp	DOM Capable	Min Software Support	DOM Support
EPA-QSFP- 1X100GE	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XE 16.9.1	

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)

• 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)

N9500

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 Suppor
N9K-X9636C-R	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	NX-OS 9.3(1)	NX-OS 9.3(1)
• 40km (with host F	es for above line EC), 30km (without G-ER4L-S allows T	host FEC)	vith +4.5 (I	Max) to -2.	9 (Min) an	d Rx Power range	with -4.9 (N	1ax) to -19.9 (M	lin)				
N9K-X9636C-RX	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 9.3(1)	NX-OS 9.3(1)
• 40km (with host F	es for above line EC), 30km (without G-ER4L-S allows T	host FEC)	/ith +4.5 (!	Max) to -2.	9 (Min) an	d Rx Power range	with -4.9 (N	1ax) to -19.9 (N	1in)				
N9K-X9732C-EX	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI- N9KDK9- 14.0(1)	ACI- N9KDK9 -14.0(1)
• 40km (with host F	es for above line EC), 30km (without G-ER4L-S allows T.	host FEC)	vith +4.5 (I	Max) to -2.	9 (Min) an	d Rx Power range	with -4.9 (N	lax) to -19.9 (N	lin)				
N9K-X9732C-EX	QSFP-100G-	TMG	100	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to	Υ	NX-OS	NX-OS

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)

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 Suppor
N9K-X9736C-FX	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI- N9KDK9- 14.0(1)	ACI- N9KDK9 -14.0(1)
	es for above line EC), 30km (without												
	G-ER4L-S allows T		T	T '				T '	Τ΄	1.	1	T	1
N9K-X9736C-FX	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 9.3.1	NX-OS 9.3.1
• 40km (with host F	es for above line EC), 30km (without G-ER4L-S allows T	host FEC)	::4b . 4 E /8	May) to 2	O (Min) on	d Dy Dawar ran an	with 40 (h	40 0 /A	lia)				
N9K-X9736C-EX	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	NX-OS 10.1(1)	NX-OS 10.1(1)
	es for above line EC), 30km (without		СБРО	10	1					1100		10.1(1)	10.1(1)
•	G-ER4L-S allows T	,	/ith +4.5 (I	Max) to -2.	9 (Min) an	d Rx Power range	with -4.9 (N	Max) to -19.9 (M	lin)				
N9K-X9788TC-FX	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	NX-OS 10.1(1)	NX-OS 10.1(1)
	es for above line EC), 30km (without				!		,	'	1		'	1 - (/	1 - 17
	G-ER4L-S allows T		1	T '	T .				1	1	T.,	I	1
N9K-X9732C-FX	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 10.1(1)	NX-OS 10.1(1)
• 40km (with host F	es for above line EC), 30km (without G-ER4L-S allows T	host FEC)	vith +4.5 (I	Max) to -2.	9 (Min) an	d Rx Power range	with -4.9 (N	Max) to -19.9 (M	lin)				
N9K-X96136YC-R		TMG	100 Gbps	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	NX-OS 9.3(1)	NX-OS 9.3(1)
Transceiver Note	es for above line	:		•	•		•			•	•	. ,	. , ,
•	EC), 30km (without G-ER4L-S allows T	,	.:4h . 4 F /	(Apy) to 0	O (Min) on	d Dy Dawas sance	ith 40/A	100 (N	lim)				
N9K-X9716D-GX	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	NX-OS 10.1(1)	NX-OS 10.1(1)
Transceiver Note	es for above line	:				!	!	1	•		•	/	1
	EC), 30km (without												
 V01 of QSFP-100 	G-ER4L-S allows T	x Power range w	ith +4.5 (I	Max) to -2.	9 (Min) an	d Rx Power range	with -4.9 (N	Max) to -19.9 (N	lin)		1	1	1
N9K-X9624D-R2	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	NX-OS 10.1(2)	NX-OS 10.1(2)
	es for above line EC), 30km (without												
,	G-ER4L-S allows T	,	/ith +4.5 (I	Max) to -2.	9 (Min) an	d Rx Power range	with -4.9 (N	Max) to -19.9 (M	lin)				
N9K-X9400-8D	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	ACI- N9KDK9- 16.0(2h)	ACI- N9KDK9 -16.0(2h
• 40km (with host F	es for above line EC), 30km (without	host FEC)											
	G-ER4L-S allows T	x Power range w	T ,	T '	T`	1		T .	1	0.1-	T _V	Taly on	Lux oo
N9K-X9400-16W	QSFP-100G- ER4L-S	TIMIG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	NX-OS 10.3(2)	NX-OS 10.3(2)
• 40km (with host F	es for above line EC), 30km (without	host FEC)	::4b . 4 E /8	May) to 2	O (Min) on	d Dy Dawar ran an	iab 40/1	40 0 /A	lia)				
• V01 of QSFP-100 N9K-X9400-16W	G-ER4L-S allows T	TMG	100	QSFP2	9 (Min) an	Duplex Fiber	SMF	LC (UPC)	Optic	0 to	Ιγ	ACI-	ACI-
	ER4L-S		Gbps	8	TOMI	Suplox I Ibbi	O.VIII	20 (01 0)	- Spilo	70C	[N9KDK9- 16.0(2h)	N9KDK9 -16.0(2h)
• 40km (with host F	es for above line EC), 30km (without G-ER4L-S allows T	host FEC)	vith +4.5 (I	Max) to -2	9 (Min) an	d Rx Power range	with -4.9 (N	Max) to -19.9 (M	lin)				

C9300X

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
C9300X-NM-2C	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XE 17.5.1	IOS XE 17.5.1
• 40km (with host F	es for above line FEC), 30km (without IG-ER4L-S allows To	host FEC)	ith +4.5 (N	lax) to -2.9	9 (Min) an	d Rx Power range w	ith -4.9 (M	ax) to -19.9 (M	in)				
C9300X-NM-4C	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XE 17.5.1	IOS XE 17.5.1

Network Device Product ID	Transciever Product ID	Transceiver Business	Data Rate	Form Factor	Reach	Cable Type	Media	Connector Type	Transceiver Type	Case Temp	DOM Capable	Software	DOM Support
		Unit										Support	

Network Device Notes for above line :

• Uplink module C9300X-NM-4C is supported in the C9300X-48HX, C9300X-48TX and C9300X-24Y.

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

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
C9500-24Y4C	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XE 16.11.1	IOS XE 16.11.1
Transceiver Note	es for above line	:											
40km (with host F	EC), 30km (without	host FEC)											
	G-ER4L-S allows T		rith +4.5 (N	Лах) to -2.	9 (Min) an	d Rx Power range	with -4.9 (N	Max) to -19.9 (M	in)				
C9500-48Y4C	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XE 16.11.1	IOS XE 16.11.1
Transceiver Note	es for above line	:											
	EC), 30km (without	=											
*	G-ER4L-S allows T	,	rith +4.5 (N	Лах) to -2.	9 (Min) an	d Rx Power range	with -4.9 (N	Max) to -19.9 (M	in)				
C9500-32QC	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XE 16.11.1	IOS XE 16.11.1
Transaciver Net	es for above line												
	EC), 30km (without												
`	G-ER4L-S allows T	,	/ith ±4.5 (N	Aav) to -2	Q (Min) an	d Ry Power range	with -4 9 (N	10 0 (M	in)				
C9500-32C	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XE 16.11.1	IOS XE 16.11.1
Transaciver Net	es for above line			•			•				•	•	
	EC), 30km (without												
,	G-ER4L-S allows T	,	ith +4 5 (N	Max) to -2	9 (Min) an	d Ry Power range	with -4 9 (N	Max) to -19 9 (M	in)				
C9500X-28C8D	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XE 17.8.1	IOS XE 17.8.1
								1	I	1	1		
	es for above line												
`	EC), 30km (without	,											
)G-ER4L-S allows T	1				·		1 ' `	1	1			
C9500X-60L4D	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XE 17.10.1	IOS XE 17.10.1
	-	1	1 2200	1-		1	1	1	1	1.00	1	1	1
	es for above line	=											
`	EC), 30km (without	,											
 V01 of QSFP-100 	G-ER4L-S allows T	x Power range w	ith +4.5 (N	Max) to -2.	9 (Min) an	d Rx Power range	with -4.9 (N	Max) to -19.9 (M	in)				

NCS4200

Network Device Product ID		Transceiver Business Unit	Data Rate	Form Factor	Reach	Cable Type	Media	Connector Type	Transceiver Type	Case Temp			DOM Support
NCS4200-2H-PQ	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	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)

8000 Series

Network Device Product ID	Transciever Product ID	Transceiver Business Unit	Data Rate	Form Factor	Reach	Cable Type	Media	Connector Type	Transceiver Type	Case Temp		Min Software Support	DOM Support
8201	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 7.3.1	IOS XR 7.3.1

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)

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
8202	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 7.3.1	IOS XR 7.3.1
• 40km (with host F	es for above line FEC), 30km (without 0G-ER4L-S allows T	host FEC)	iith +4 5 (N	10x) to -2	Q (Min) an	d Py Power range	with -4 Q (N	1av) to -10.0 (M	in)				
8800-LC-36FH	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 7.3.1	IOS XR 7.3.1
Transceiver Note	es for above line		Опръ	10				l		700		7.5.1	7.3.1
• 40km (with host F	EC), 30km (without 0G-ER4L-S allows T	host FEC)	vith +4.5 (N	Лах) to -2.	9 (Min) an	d Rx Power range v	with -4.9 (N	lax) to -19.9 (M	in)				
8800-LC-48H	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.3.1	IOS XR 7.3.1
• 40km (with host F	es for above line FEC), 30km (without 0G-ER4L-S allows T	host FEC)	vith +4 5 (N	Max) to -2	9 (Min) an	d Ry Power range v	with -4 9 (N	1ax) to -19 9 (M	in)				
8201-32FH	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 7.3.15	IOS XR 7.3.15
• 40km (with host F	es for above line FEC), 30km (without 0G-ER4L-S allows T	host FEC)		Max) to -2.	9 (Min) an	d Rx Power range	with -4.9 (M	lax) to -19.9 (M	in)				'
88-LC0-36FH-M	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.3.15	IOS XR 7.3.15
• 40km (with host F	es for above line FEC), 30km (without 0G-ER4L-S allows T.	host FEC)	vith +4.5 (N	Max) to -2	9 (Min) an	d Ry Power range v	with -4 9 (N	lax) to -19 9 (M	in)				
88-LC0-36FH	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.3.15	IOS XR 7.3.15
• 40km (with host F	es for above line FEC), 30km (without DG-ER4L-S allows T	host FEC)		Max) to -2	Q (Min) an	d Ry Power range	with -4 Q (N	lav) to -10 0 /M	in)	•			•
8101-32FH	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 7.3.2	IOS XR 7.3.2
• 40km (with host F	es for above line FEC), 30km (without	host FEC)		May) to 2	O (Min) on	d By Dower ronge	with 40 (N	lov) to 10.0 (M	in)	•	'	1	1
8101-32H	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 7.3.3	IOS XR 7.3.3
• 40km (with host F	es for above line FEC), 30km (without 0G-ER4L-S allows T	host FEC)	vith +4.5 (N	Max) to -2.	9 (Min) an	d Rx Power range	with -4.9 (N	lax) to -19.9 (M	in)				
8102-64H	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 7.3.3	IOS XR 7.3.3
• 40km (with host F	es for above line FEC), 30km (without 0G-ER4L-S allows T	host FEC)	/ith ±4.5 (N	Max) to -2	Q (Min) an	d Ry Power range v	with -1 Q (N	lav) to -19 9 (M	in)				
88-LC0-34H14FH	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 7.3.3	IOS XR 7.3.3
• 40km (with host F	es for above line FEC), 30km (without 0G-ER4L-S allows T	host FEC)		Max) to -2	Q (Min) an	d Py Power range	with -4.0 (N	1av) to -10.0 /M	in)		1		
8202-32FH-M	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 7.5.2	IOS XR 7.5.2
• 40km (with host F	es for above line FEC), 30km (without DG-ER4L-S allows T	host FEC)		•	O (Min) on	d By Dower ronge	with 40 (N	10v) to 100/M	in)	1.00	1	11.0.2	
8201-24H8FH	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 7.5.2	IOS XR 7.5.2
• 40km (with host F	es for above line FEC), 30km (without	host FEC)		'						1.00		1.10.2	7.10.2
86-MPA-14H2FH-		X Power range w	100	QSFP2	9 (Min) an 40km	d Rx Power range v Duplex Fiber	with -4.9 (N SMF	lax) to -19.9 (M LC (UPC)	in) Optic	0 to	Υ	IOS XR	IOS XR
	ER4L-S es for above line EC), 30km (without		Gbps	8			<u> </u>		1	70C		7.10.1	7.10.1
,	QSFP-100G-		vith +4.5 (N	Max) to -2.	9 (Min) an	d Rx Power range	with -4.9 (M	lax) to -19.9 (M	Γ΄	0 to	Υ	IOS XR	IOS XR
OU-IVIFA-4FП-IVI	ER4L-S	TIVIG	Gbps	8 8	HUKIII	Dublex Liber	SIVIF	LC (UPC)	Optic	70C	<u> </u>	7.10.1	7.10.1
• 40km (with host F	es for above line FEC), 30km (without OG-ER4L-S allows T	host FEC)	vith +4.5 (N	Лах) to -2.	9 (Min) an	d Rx Power range	with -4.9 (M	lax) to -19.9 (M	in)				

CBR8

Network Device 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
CBR-SUP-250G	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XE 17.9.1w	IOS XE 17.9.1w

- 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)

NCS5500

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
NC55-36X100G	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 6.2.2	IOS XR 6.2.2
• 40km (with host F	es for above line FEC), 30km (without IG-ER4L-S allows T	host FEC)	vith +4.5 (I	Max) to -2.	9 (Min) an	nd Rx Power range	with -4.9 (N	Max) to -19.9 (M	lin)				
NC55-24X100G- SE	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 6.2.2	IOS XR 6.2.2
• 40km (with host F	es for above line FEC), 30km (without IG-ER4L-S allows T	host FEC)	vith +4.5 (I	Max) to -2.	9 (Min) an	nd Rx Power range	with -4.9 (N	Max) to -19.9 (M	lin)				
NC55-18H18F	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 6.2.2	IOS XR 6.2.2
• 40km (with host F	es for above line EC), 30km (without IG-ER4L-S allows T	host FEC)	vith +4.5 (I	Max) to -2.	9 (Min) an	nd Rx Power range	with -4.9 (N	Max) to -19.9 (M	lin)				
NC55-24H12F-SE	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 6.2.2	IOS XR 6.2.2
• 40km (with host F	es for above line FEC), 30km (without IG-ER4L-S allows T	host FEC)	vith +4.5 (!	Max) to -2.	9 (Min) an	nd Rx Power range	with -4.9 (N	Max) to -19.9 (M	lin)				
NC55-36X100G- A-SE	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.3.1	IOS XR 6.3.1
• 40km (with host F	es for above line FEC), 30km (without OG-ER4L-S allows To	host FEC)	100	QSFP2	9 (Min) an	nd Rx Power range	with -4.9 (N	Max) to -19.9 (M	lin) Optic	0 to	Y	IOS XR	IOS XR
• 40km (with host F	ER4L-S es for above line EC), 30km (without 0G-ER4L-S allows To	host FEC)	Gbps vith +4.5 (I	8 Max) to -2.	9 (Min) an	nd Rx Power range	with -4.9 (N	Max) to -19.9 (M	lin)	70C		6.3.2	6.3.2
NCS-5501-SE	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 6.3.2	IOS XR 6.3.2
• 40km (with host F	es for above line FEC), 30km (without IG-ER4L-S allows T	host FEC)	vith +4.5 (I	Max) to -2.	9 (Min) an	nd Rx Power range	with -4.9 (N	Max) to -19.9 (M	lin)				
NCS-5502	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.3.2	IOS XR 6.3.2
• 40km (with host F	es for above line FEC), 30km (without IG-ER4L-S allows T	host FEC)	vith +4.5 (I	Max) to -2.	9 (Min) an	nd Rx Power range	with -4.9 (N	Max) to -19.9 (M	lin)				
NCS-5502-SE	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.3.2	IOS XR 6.3.2
• 40km (with host F	es for above line FEC), 30km (without 0G-ER4L-S allows T	host FEC)	vith +4.5 (!	Max) to -2.	9 (Min) an	nd Rx Power range	with -4.9 (N	Max) to -19.9 (M	lin)				
NCS-55A1-36H-S	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 6.3.2	IOS XR 6.3.2
• 40km (with host F	es for above line FEC), 30km (without 0G-ER4L-S allows T	host FEC)	uith ±4.5 (f	May) to -2	Q (Min) an	nd Ry Power range	with -4 Q (N	Max) to -19 9 (M	lin)				
NCS-55A1-24H	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 6.3.2	IOS XR 6.3.2
• 40km (with host F	es for above line FEC), 30km (without DG-ER4L-S allows T	host FEC)		1	9 (Min) an	nd Rx Power range	with -4.9 (N	Max) to -19.9 (M	lin)	1.33		, 2332	
	QSFP-100G-	TMG	100	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to		IOS XR	IOS XR

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
• 40km (with host F	es for above line EC), 30km (without IG-ER4L-S allows T	host FEC)	vith +4 5 (I	Max) to -2	9 (Min) ar	nd Rx Power range	with -4 9 (M	Max) to -19 9 (N	4in)				
NCS-55A1-36H- SE-S	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 6.3.2	IOS XR 6.3.2
Transceiver Not • 40km (with host F	es for above line (EC), 30km (without (G-ER4L-S allows T	host FEC)			9 (Min) ar	nd Rx Power range	with -4 9 (M	Max) to -19 9 (N	/in)	1700		/XX 0.3.2	AIT 0.3.2
NC55-MPA-4H-S	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 6.5.1	IOS XR 6.5.1
• 40km (with host F	es for above line EC), 30km (without	host FEC)		ī.) (A.C.)		::I 40.0			1700		7.11 0.0.1	7411 0.0.1
NC55-MPA-4H-	QSFP-100G-	TMG	100	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to	Υ	IOS	IOS
• 40km (with host F	ER4L-S es for above line EC), 30km (without	host FEC)	Gbps	Max) to 2	O (Min) on	ad By Dower range	with 40/N	Max) to 10.0 (A	(in)	70C		XR 6.5.1	XR 6.5.1
NC55-MPA-	QSFP-100G-	TMG	100	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to	Υ	IOS	IOS
• 40km (with host F	ER4L-S es for above line EC), 30km (without	host FEC)	Gbps vith +4.5 (I	[8 Max) to -2.	 9 (Min) ar	d Rx Power range	with -4.9 (N	Max) to -19.9 (M	l (in)	70C		XR 6.5.1	XR 6.5.1
NCS-55A1- 48Q6H	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.6.25	IOS XR 6.6.25
Transceiver Not • 40km (with host F	es for above line EC), 30km (without IG-ER4L-S allows T.	host FEC)		1-	9 (Min) ar	nd Rx Power range	with -4.9 (N	Max) to -19.9 (N	fin)	1.50		15.5.20	5.5.20
NCS-55A1- 24Q6H-S	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.6.25	IOS XR 6.6.25
Transceiver Not • 40km (with host F	es for above line EC), 30km (without IG-ER4L-S allows T	host FEC)		1.	9 (Min) ar	nd Rx Power range	with -4.9 (N	Max) to -19.9 (M	1in)	1700		0.0.20	0.0.20
NC55-MPA-4H- HX-S	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 6.5.1	IOS XR 6.5.1
• 40km (with host F	es for above line EC), 30km (without IG-ER4L-S allows T	host FEC)	vith +4.5 (l	Max) to -2.	9 (Min) ar	nd Rx Power range	with -4.9 (N	Max) to -19.9 (N	fin)				
NC57-24DD	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.0.2	IOS XR 7.0.2
• 40km (with host F	es for above line EC), 30km (without IG-ER4L-S allows T	host FEC)		Max) to -2.	9 (Min) ar	nd Rx Power range	with -4.9 (N	Max) to -19.9 (N	fin)				1
NC57-18DD-SE	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.0.2	IOS XR 7.0.2
• 40km (with host F	es for above line EC), 30km (without	host FEC)		Max) to -2.	9 (Min) ar	nd Rx Power range	with -4.9 (N	Max) to -19.9 (N	fin)			-	1 -
NCS-55A1- 24Q6H-SS	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.2.1	IOS XR 7.2.1
• 40km (with host F	es for above line EC), 30km (without IG-ER4L-S allows T	host FEC)	•	Max) to -2.	9 (Min) ar	nd Rx Power range	with -4.9 (M	Max) to -19.9 (N	fin)				
NC55-32T16Q4H- A	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 7.2.2	IOS XR 7.2.2
• 40km (with host F	es for above line EC), 30km (without IG-ER4L-S allows T	host FEC)	vith +4.5 (I	Max) to -2.	9 (Min) ar	nd Rx Power range	with -4.9 (M	Max) to -19.9 (N	lin)	•			
NC57-36H-SE	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 7.2.2	IOS XR 7.2.2
• 40km (with host F	es for above line EC), 30km (without IG-ER4L-S allows T	host FEC)	vith +4.5 (I	Max) to -2.	9 (Min) ar	nd Rx Power range	with -4.9 (N	Max) to -19.9 (N	fin)	•			
NCS-57B1- 6D24H-S	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.3.1	IOS XR 7.3.1
• 40km (with host F	es for above line EC), 30km (without IG-ER4L-S allows T	host FEC)		Max) to -2.	9 (Min) ar	nd Rx Power range	with -4.9 (N	Max) to -19.9 (N	fin)	•			1
NCS-57B1-5D24- SE	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 7.3.1	IOS XR 7.3.1
Transceiver Not	es for above line EC), 30km (without IG-ER4L-S allows T.	host FEC)		,,-	9 (Min) on	nd Ry Power range	with -4.9./N	Max) to -10.0 /A	(in)	1.30		1	1
NC57-MPA-	QSFP-100G-	TMG	100	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to	Υ	IOS	IOS
2D4H-S	ER4L-S	1	Gbps	8	l			1	1	70C		XR 7.4.1	XR 7.4.1

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 Suppoi
Network Device In conjunction with													
Fransceiver Note 40km (with host F													
V01 of QSFP-100	G-ER4L-S allows	Tx Power range v	vith +4.5 (I	Max) to -2.	9 (Min) an	d Rx Power range	with -4.9 (N	Max) to -19.9 (M	lin)	1	1	1	1
NC57-MPA- 2D4H-S	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 7.6.1	IOS XR 7.6.
Network Device In conjunction with													
Fransceiver Note	es for above line	:											
40km (with host F V01 of QSFP-100			vith +4 5 (1	Max) to -2	9 (Min) an	d Rx Power range	with -4 9 (N	Max) to -19 9 (M	lin)				
NCS-57C3-MOD-	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 7.4.1	IOS XR 7.4.
Fransceiver Note):	12272	1-		L		1		1.00		1	1
40km (with host F		,											
V01 of QSFP-100			1						1	1.	1	1	T
NCS-57C3-MOD- SE-S	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.4.1	IOS XR 7.4.
Fransceiver Note													
V01 of QSFP-100	G-ER4L-S allows	Tx Power range v	vith +4.5 (I	Max) to -2.	9 (Min) an	d Rx Power range	with -4.9 (N	Max) to -19.9 (M	lin)				
NC57-36H6D-S	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 7.3.2	IOS XR 7.3.
Fransceiver Note	EC), 30km (withou	it host FEC)	ith 14 E (!	May) to 2	O (Min) on	d Dy Dower ronge	with 40 (A	May) to 10.0 (N	lia)				
V01 of QSFP-100 NC57-MOD-S	QSFP-100G-	TMG	100	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to	Υ	IOS	IOS
	ER4L-S		Gbps	8						70C		XR 7.6.1	XR 7.6.
Fransceiver Note 40km (with host F													
V01 of QSFP-100			vith +4.5 (I	Max) to -2.	9 (Min) an	d Rx Power range	with -4.9 (N	Max) to -19.9 (M	lin)				
NCS-57C1-48Q6- SYS	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 7.5.2	IOS XR 7.5.
Fransceiver Note	es for above line			•	•		•	•	•	•	•	•	•
40km (with host F V01 of QSFP-100		,	/ith +4 5 (I	Max) to -2	9 (Min) an	d Ry Power range	with -4 9 (N	Max) to -19 9 (N	lin)				
NC57-48Q2D-S	QSFP-100G-	TMG	100	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to	Υ	ios	IOS
	ER4L-S		Gbps	8		·		, ,	·	70C		XR 7.10.1	XR 7.10
Fransceiver Note	es for above line) :											
40km (with host F	EC), 30km (withou	it host FEC)											
V01 of QSFP-100			1					T '	1	ı	1	1	
NC57-48Q2D-SE- S	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.10.1	IOS XR 7.10 1
Fransceiver Note													
V01 of QSFP-100			vith +4.5 (I	Max) to -2.	9 (Min) an	d Rx Power range	with -4.9 (N	Max) to -19.9 (N	lin)				
NCS-57C1- 18Q6D-S	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Y	IOS XR 7.5.2	IOS XR 7.5.
		_1	Loops	10	1	l .			L	1,00	1	7.1.7.0.2	/AIX 7.0.
Fransceiver Note 40km (with host F													
STATE OF THE PROPERTY OF THE P	LUI, JUKIII (WILINOL	ル いいちに ヒピレナ											

ASR900

Network Device Product ID	Transciever Product ID	Transceiver Business Unit	Data Rate	Form Factor	Reach	Cable Type			Transceiver Type	Case Temp	DOM Capable	Min Software Support	DOM Support
N560-IMA2C	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	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)

NCS6000

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
NC6-20X100GE- M-C	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 7.0.1	IOS XR 7.0.1

Transceiver Notes for above line:

• 40km (with host FEC), 30km (without host FEC)

• V01 of Q	• V01 of QSFP-100G-ER4L-S allows 1x Power range with +4.5 (Max) to -2.9 (Min) and Rx Power range with -4.9 (Max) to -19.9 (Min)														
NC6-20X1 L-C		QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 7.0.1	IOS XR 7.0.1	

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)

NCS1000

Network Device Product ID		Transceiver Business Unit	Data Rate	Form Factor	Reach	Cable Type	Media	Connector Type	Transceiver Type	Case Temp			DOM Support
NCS1K4-2-QDD- C-K9	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	IOS XR 7.3.1	IOS XR 7.3.1

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)

			the control of the co										
	QSFP-100G-	TMG	100	QSFP2	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to	Υ		IOS XR
	ER4L-S		Gbps	18						70C		[7.3.1]	/.3.1

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)

NCS4000

		Transceiver Business Unit	Data Rate	Form Factor	Reach	Cable Type	Media	Connector Type	Transceiver Type	Case Temp	DOM Capable	Min Software Support	DOM Support
NCS4K-4H-OPW- QC2	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ		IOS XR 6.1.42

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)

ASR903

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
A900-IMA2C	QSFP-100G- ER4L-S	TMG	100 Gbps	QSFP2 8	40km	Duplex Fiber	SMF	LC (UPC)	Optic	0 to 70C	Υ	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)