

Network Device Product Family

C2960X

C2960XR

C2960X

Network Device Product ID	Transceiver Product ID	Transceiver Business Unit	Data Rate	Form Factor	Reach	Cable Type	Media	Connector Type	Transceiver Type	Case Temp	DOM Capable	Min Software Support	DOM Support
C2960X-HYBRID-STK	SFP-10G-SR	TMG	10 Gbps	SFP+	400m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(6)E	IOS 15.2(6)E
Transceiver Notes for above line : • FDDI: 26m; OM1: 33m; OM2: 82m; OM3: 300m; OM4/OM5: 400m													
C2960X-HYBRID-STK	SFP-10G-SR	TMG	10 Gbps	SFP+	400m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 3.10.0E	IOS 3.10.0E
Transceiver Notes for above line : • FDDI: 26m; OM1: 33m; OM2: 82m; OM3: 300m; OM4/OM5: 400m													
C2960X-HYBRID-STK	SFP-10G-SR-S	TMG	10 Gbps	SFP+	400m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(6)E	IOS 15.2(6)E
Transceiver Notes for above line : • FDDI: 26m; OM1: 33m; OM2: 82m; OM3: 300m; OM4/OM5: 400m													
C2960X-HYBRID-STK	SFP-10G-SR-S	TMG	10 Gbps	SFP+	400m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 3.10.0E	IOS 3.10.0E
Transceiver Notes for above line : • FDDI: 26m; OM1: 33m; OM2: 82m; OM3: 300m; OM4/OM5: 400m													
C2960X-HYBRID-STK	SFP-10G-LRM	TMG	10 Gbps	SFP+	220m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(6)E	IOS 15.2(6)E
Transceiver Notes for above line : • SFP-10G-LRM can be used on SMF with a maximum reach of 300m													
C2960X-HYBRID-STK	SFP-10G-LRM	TMG	10 Gbps	SFP+	220m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 3.10.0E	IOS 3.10.0E
Transceiver Notes for above line : • SFP-10G-LRM can be used on SMF with a maximum reach of 300m													
C2960X-HYBRID-STK	SFP-10G-LR	TMG	10 Gbps	SFP+	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(6)E	IOS 15.2(6)E
C2960X-HYBRID-STK	SFP-10G-LR	TMG	10 Gbps	SFP+	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 3.10.0E	IOS 3.10.0E
C2960X-HYBRID-STK	SFP-10G-LR-S	TMG	10 Gbps	SFP+	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(6)E	IOS 15.2(6)E
C2960X-HYBRID-STK	SFP-10G-LR-S	TMG	10 Gbps	SFP+	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 3.10.0E	IOS 3.10.0E
C2960X-HYBRID-STK	SFP-10G-ER	TMG	10 Gbps	SFP+	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(6)E	IOS 15.2(6)E
C2960X-HYBRID-STK	SFP-10G-ER	TMG	10 Gbps	SFP+	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 3.10.0E	IOS 3.10.0E
C2960X-HYBRID-STK	SFP-10G-ER-S	TMG	10 Gbps	SFP+	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(6)E	IOS 15.2(6)E
C2960X-HYBRID-STK	SFP-10G-ER-S	TMG	10 Gbps	SFP+	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 3.10.0E	IOS 3.10.0E
C2960X-HYBRID-STK	SFP-10G-ZR	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(6)E	IOS 15.2(6)E
C2960X-HYBRID-STK	SFP-10G-ZR	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 3.10.0E	IOS 3.10.0E
C2960X-HYBRID-STK	SFP-10G-ZR-S	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(6)E	IOS 15.2(6)E
C2960X-HYBRID-STK	SFP-10G-ZR-S	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 3.10.0E	IOS 3.10.0E
C2960X-HYBRID-STK	SFP-H10GB-CU1M	TMG	10 Gbps	SFP+	1m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(6)E	—
Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
C2960X-HYBRID-STK	SFP-H10GB-CU1M	TMG	10 Gbps	SFP+	1m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 3.10.0E	—
Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
C2960X-HYBRID-STK	SFP-H10GB-CU3M	TMG	10 Gbps	SFP+	3m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(6)E	—

Network Device Product ID	Transceiver Product ID	Transceiver Business Unit	Data Rate	Form Factor	Reach	Cable Type	Media	Connector Type	Transceiver Type	Case Temp	DOM Capable	Min Software Support	DOM Support
Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
C2960X-HYBRID-STK	SFP-H10GB-CU3M	TMG	10 Gbps	SFP+	3m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 3.10.0E	—
Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
C2960X-HYBRID-STK	SFP-H10GB-CU5M	TMG	10 Gbps	SFP+	5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(6)E	—
Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
C2960X-HYBRID-STK	SFP-H10GB-CU5M	TMG	10 Gbps	SFP+	5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 3.10.0E	—
Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
C2960X-HYBRID-STK	SFP-H10GB-ACU7M	TMG	10 Gbps	SFP+	7m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(6)E	—
C2960X-HYBRID-STK	SFP-H10GB-ACU7M	TMG	10 Gbps	SFP+	7m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 3.10.0E	—
C2960X-HYBRID-STK	SFP-H10GB-ACU10M	TMG	10 Gbps	SFP+	10m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(6)E	—
C2960X-HYBRID-STK	SFP-H10GB-ACU10M	TMG	10 Gbps	SFP+	10m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 3.10.0E	—
C2960X-HYBRID-STK	SFP-10G-AOC1M	TMG	10 Gbps	SFP+	1m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(6)E	—
C2960X-HYBRID-STK	SFP-10G-AOC1M	TMG	10 Gbps	SFP+	1m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 3.10.0E	—
C2960X-HYBRID-STK	SFP-10G-AOC2M	TMG	10 Gbps	SFP+	2m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(6)E	—
C2960X-HYBRID-STK	SFP-10G-AOC2M	TMG	10 Gbps	SFP+	2m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 3.10.0E	—
C2960X-HYBRID-STK	SFP-10G-AOC3M	TMG	10 Gbps	SFP+	3m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(6)E	—
C2960X-HYBRID-STK	SFP-10G-AOC3M	TMG	10 Gbps	SFP+	3m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 3.10.0E	—
C2960X-HYBRID-STK	SFP-10G-AOC5M	TMG	10 Gbps	SFP+	5m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(6)E	—
C2960X-HYBRID-STK	SFP-10G-AOC5M	TMG	10 Gbps	SFP+	5m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 3.10.0E	—
C2960X-HYBRID-STK	SFP-10G-AOC7M	TMG	10 Gbps	SFP+	7m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(6)E	—
C2960X-HYBRID-STK	SFP-10G-AOC7M	TMG	10 Gbps	SFP+	7m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 3.10.0E	—
C2960X-HYBRID-STK	SFP-10G-AOC10M	TMG	10 Gbps	SFP+	10m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(6)E	—
C2960X-HYBRID-STK	SFP-10G-AOC10M	TMG	10 Gbps	SFP+	10m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 3.10.0E	—
C2960X-HYBRID-STK	DWDM-SFP10G-XX.XX	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(6)E	IOS 15.2(6)E
C2960X-HYBRID-STK	DWDM-SFP10G-XX.XX	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 3.10.0E	IOS 3.10.0E
C2960X-HYBRID-STK	SFP-H10GB-CU1-5M	TMG	10 Gbps	SFP+	1.5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(6)E	—
C2960X-HYBRID-STK	SFP-H10GB-CU1-5M	TMG	10 Gbps	SFP+	1.5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 3.10.0E	—
C2960X-HYBRID-STK	SFP-H10GB-CU2M	TMG	10 Gbps	SFP+	2m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(6)E	—
C2960X-HYBRID-STK	SFP-H10GB-CU2M	TMG	10 Gbps	SFP+	2m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 3.10.0E	—
C2960X-HYBRID-STK	SFP-H10GB-CU2-5M	TMG	10 Gbps	SFP+	2.5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(6)E	—
C2960X-HYBRID-STK	SFP-H10GB-CU2-5M	TMG	10 Gbps	SFP+	2.5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 3.10.0E	—
C2960X-FIBER-STK	SFP-10G-SR	TMG	10 Gbps	SFP+	400m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(6)E	IOS 15.2(6)E
Transceiver Notes for above line : • FDDI: 26m; OM1: 33m; OM2: 82m; OM3: 300m; OM4/OM5: 400m													
C2960X-FIBER-STK	SFP-10G-SR	TMG	10 Gbps	SFP+	400m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 3.10.0E	IOS 3.10.0E
Transceiver Notes for above line : • FDDI: 26m; OM1: 33m; OM2: 82m; OM3: 300m; OM4/OM5: 400m													
C2960X-FIBER-STK	SFP-10G-SR-S	TMG	10 Gbps	SFP+	400m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(6)E	IOS 15.2(6)E
Transceiver Notes for above line : • FDDI: 26m; OM1: 33m; OM2: 82m; OM3: 300m; OM4/OM5: 400m													
C2960X-FIBER-STK	SFP-10G-SR-S	TMG	10 Gbps	SFP+	400m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 3.10.0E	IOS 3.10.0E
Transceiver Notes for above line : • FDDI: 26m; OM1: 33m; OM2: 82m; OM3: 300m; OM4/OM5: 400m													
C2960X-FIBER-STK	SFP-10G-LRM	TMG	10 Gbps	SFP+	220m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(6)E	IOS 15.2(6)E
Transceiver Notes for above line : • SFP-10G-LRM can be used on SMF with a maximum reach of 300m													
C2960X-FIBER-STK	SFP-10G-LRM	TMG	10 Gbps	SFP+	220m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 3.10.0E	IOS 3.10.0E

Network Device Product ID	Transceiver Product ID	Transceiver Business Unit	Data Rate	Form Factor	Reach	Cable Type	Media	Connector Type	Transceiver Type	Case Temp	DOM Capable	Min Software Support	DOM Support
Transceiver Notes for above line : • SFP-10G-LRM can be used on SMF with a maximum reach of 300m													
C2960X-FIBER-STK	SFP-10G-LR	TMG	10 Gbps	SFP+	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(6)E	IOS 15.2(6)E
C2960X-FIBER-STK	SFP-10G-LR	TMG	10 Gbps	SFP+	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 3.10.0E	IOS 3.10.0E
C2960X-FIBER-STK	SFP-10G-LR-S	TMG	10 Gbps	SFP+	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(6)E	IOS 15.2(6)E
C2960X-FIBER-STK	SFP-10G-LR-S	TMG	10 Gbps	SFP+	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 3.10.0E	IOS 3.10.0E
C2960X-FIBER-STK	SFP-10G-ER	TMG	10 Gbps	SFP+	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(6)E	IOS 15.2(6)E
C2960X-FIBER-STK	SFP-10G-ER	TMG	10 Gbps	SFP+	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 3.10.0E	IOS 3.10.0E
C2960X-FIBER-STK	SFP-10G-ER-S	TMG	10 Gbps	SFP+	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(6)E	IOS 15.2(6)E
C2960X-FIBER-STK	SFP-10G-ER-S	TMG	10 Gbps	SFP+	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 3.10.0E	IOS 3.10.0E
C2960X-FIBER-STK	SFP-10G-ZR	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(6)E	IOS 15.2(6)E
C2960X-FIBER-STK	SFP-10G-ZR	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 3.10.0E	IOS 3.10.0E
C2960X-FIBER-STK	SFP-10G-ZR-S	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(6)E	IOS 15.2(6)E
C2960X-FIBER-STK	SFP-10G-ZR-S	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 3.10.0E	IOS 3.10.0E
C2960X-FIBER-STK	SFP-H10GB-CU1M	TMG	10 Gbps	SFP+	1m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(6)E	—
Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
C2960X-FIBER-STK	SFP-H10GB-CU1M	TMG	10 Gbps	SFP+	1m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 3.10.0E	—
Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
C2960X-FIBER-STK	SFP-H10GB-CU3M	TMG	10 Gbps	SFP+	3m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(6)E	—
Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
C2960X-FIBER-STK	SFP-H10GB-CU3M	TMG	10 Gbps	SFP+	3m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 3.10.0E	—
Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
C2960X-FIBER-STK	SFP-H10GB-CU5M	TMG	10 Gbps	SFP+	5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(6)E	—
Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
C2960X-FIBER-STK	SFP-H10GB-CU5M	TMG	10 Gbps	SFP+	5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 3.10.0E	—
Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
C2960X-FIBER-STK	SFP-H10GB-ACU7M	TMG	10 Gbps	SFP+	7m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(6)E	—
C2960X-FIBER-STK	SFP-H10GB-ACU7M	TMG	10 Gbps	SFP+	7m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 3.10.0E	—
C2960X-FIBER-STK	SFP-H10GB-ACU10M	TMG	10 Gbps	SFP+	10m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(6)E	—
C2960X-FIBER-STK	SFP-H10GB-ACU10M	TMG	10 Gbps	SFP+	10m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 3.10.0E	—
C2960X-FIBER-STK	SFP-10G-AOC1M	TMG	10 Gbps	SFP+	1m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(6)E	—
C2960X-FIBER-STK	SFP-10G-AOC1M	TMG	10 Gbps	SFP+	1m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 3.10.0E	—
C2960X-FIBER-STK	SFP-10G-AOC2M	TMG	10 Gbps	SFP+	2m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(6)E	—
C2960X-FIBER-STK	SFP-10G-AOC2M	TMG	10 Gbps	SFP+	2m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 3.10.0E	—
C2960X-FIBER-STK	SFP-10G-AOC3M	TMG	10 Gbps	SFP+	3m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(6)E	—
C2960X-FIBER-STK	SFP-10G-AOC3M	TMG	10 Gbps	SFP+	3m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 3.10.0E	—
C2960X-FIBER-STK	SFP-10G-AOC5M	TMG	10 Gbps	SFP+	5m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(6)E	—
C2960X-FIBER-STK	SFP-10G-AOC5M	TMG	10 Gbps	SFP+	5m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 3.10.0E	—
C2960X-FIBER-STK	SFP-10G-AOC7M	TMG	10 Gbps	SFP+	7m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(6)E	—
C2960X-FIBER-STK	SFP-10G-AOC7M	TMG	10 Gbps	SFP+	7m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 3.10.0E	—
C2960X-FIBER-STK	SFP-10G-AOC10M	TMG	10 Gbps	SFP+	10m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(6)E	—
C2960X-FIBER-STK	SFP-10G-AOC10M	TMG	10 Gbps	SFP+	10m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 3.10.0E	—
C2960X-FIBER-STK	DWDM-SFP10G-XX.XX	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(6)E	IOS 15.2(6)E
C2960X-FIBER-STK	DWDM-SFP10G-XX.XX	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 3.10.0E	IOS 3.10.0E

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C2960X-FIBER-STK	SFP-H10GB-CU1-5M	TMG	10 Gbps	SFP+	1.5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(6)E	—
C2960X-FIBER-STK	SFP-H10GB-CU1-5M	TMG	10 Gbps	SFP+	1.5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 3.10.0E	—
C2960X-FIBER-STK	SFP-H10GB-CU2M	TMG	10 Gbps	SFP+	2m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(6)E	—
C2960X-FIBER-STK	SFP-H10GB-CU2M	TMG	10 Gbps	SFP+	2m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 3.10.0E	—
C2960X-FIBER-STK	SFP-H10GB-CU2-5M	TMG	10 Gbps	SFP+	2.5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(6)E	—
C2960X-FIBER-STK	SFP-H10GB-CU2-5M	TMG	10 Gbps	SFP+	2.5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 3.10.0E	—
WS-C2960X-24TS-LL	GLC-GE-100FX	TMG	100 Mbps	SFP	2km	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C		IOS 15.0(2)EX	—
WS-C2960X-24TS-LL	GLC-GE-100FX	TMG	100 Mbps	SFP	2km	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C		IOS 15.0(2)EX	—
WS-C2960X-24TS-LL	GLC-T	TMG	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	0 to 70C		IOS 15.0(2)EX	—
WS-C2960X-24TS-LL	GLC-TE	TMGBU	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	-5 to 85C		IOS 15.0(2)EX	—
WS-C2960X-24TS-LL	GLC-EX-SMD	TMG	1 Gbps	SFP	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-24TS-LL	GLC-SX-MMD	TMG	1 Gbps	SFP	1000m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX

Transceiver Notes for above line :

• FDDI: 220m; OM1: 275m; OM2: 550m; OM3, OM4/OM5: 1000m

WS-C2960X-24TS-LL	GLC-LH-SMD	TMG	1 Gbps	SFP	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
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Transceiver Notes for above line :

• GLC-LH-SMD can be used on MMF with a maximum reach of 550m

• LC mode-conditioning cable required for MMF applications

WS-C2960X-48TS-LL	GLC-GE-100FX	TMG	100 Mbps	SFP	2km	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C		IOS 15.0(2)EX	—
WS-C2960X-48TS-LL	GLC-GE-100FX	TMG	100 Mbps	SFP	2km	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C		IOS 15.0(2)EX	—
WS-C2960X-48TS-LL	GLC-T	TMG	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	0 to 70C		IOS 15.0(2)EX	—
WS-C2960X-48TS-LL	GLC-TE	TMGBU	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	-5 to 85C		IOS 15.0(2)EX	—
WS-C2960X-48TS-LL	GLC-EX-SMD	TMG	1 Gbps	SFP	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-48TS-LL	GLC-SX-MMD	TMG	1 Gbps	SFP	1000m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX

Transceiver Notes for above line :

• FDDI: 220m; OM1: 275m; OM2: 550m; OM3, OM4/OM5: 1000m

WS-C2960X-48TS-LL	GLC-LH-SMD	TMG	1 Gbps	SFP	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
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Transceiver Notes for above line :

• GLC-LH-SMD can be used on MMF with a maximum reach of 550m

• LC mode-conditioning cable required for MMF applications

WS-C2960X-24PS-L	GLC-GE-100FX	TMG	100 Mbps	SFP	2km	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C		IOS 15.0(2)EX	—
WS-C2960X-24PS-L	GLC-GE-100FX	TMG	100 Mbps	SFP	2km	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C		IOS 15.0(2)EX	—
WS-C2960X-24PS-L	GLC-T	TMG	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	0 to 70C		IOS 15.0(2)EX	—
WS-C2960X-24PS-L	GLC-TE	TMGBU	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	-5 to 85C		IOS 15.0(2)EX	—
WS-C2960X-24PS-L	GLC-BX-D	TMG	1 Gbps	SFP	10km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-24PS-L	GLC-BX-U	TMG	1 Gbps	SFP	10km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-24PS-L	GLC-EX-SMD	TMG	1 Gbps	SFP	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-24PS-L	GLC-SX-MMD	TMG	1 Gbps	SFP	1000m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX

Transceiver Notes for above line :

• FDDI: 220m; OM1: 275m; OM2: 550m; OM3, OM4/OM5: 1000m

WS-C2960X-24PS-L	GLC-LH-SMD	TMG	1 Gbps	SFP	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
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Transceiver Notes for above line :

• GLC-LH-SMD can be used on MMF with a maximum reach of 550m

• LC mode-conditioning cable required for MMF applications

Network Device Product ID	Transceiver Product ID	Transceiver Business Unit	Data Rate	Form Factor	Reach	Cable Type	Media	Connector Type	Transceiver Type	Case Temp	DOM Capable	Min Software Support	DOM Support
WS-C2960X-24PS-L	GLC-ZX-SMD	TMG	1 Gbps	SFP	70km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-24PS-L	CWDM-SFP-XXXX	TMG	1 Gbps	SFP	100km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-24TS-L	GLC-GE-100FX	TMG	100 Mbps	SFP	2km	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C		IOS 15.0(2)EX	—
WS-C2960X-24TS-L	GLC-GE-100FX	TMG	100 Mbps	SFP	2km	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C		IOS 15.0(2)EX	—
WS-C2960X-24TS-L	GLC-T	TMG	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	0 to 70C		IOS 15.0(2)EX	—
WS-C2960X-24TS-L	GLC-TE	TMGBU	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	-5 to 85C		IOS 15.0(2)EX	—
WS-C2960X-24TS-L	GLC-BX-D	TMG	1 Gbps	SFP	10km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-24TS-L	GLC-BX-U	TMG	1 Gbps	SFP	10km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-24TS-L	GLC-EX-SMD	TMG	1 Gbps	SFP	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-24TS-L	GLC-SX-MMD	TMG	1 Gbps	SFP	1000m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX

Transceiver Notes for above line :

• FDDI: 220m; OM1: 275m; OM2: 550m; OM3, OM4/OM5: 1000m

WS-C2960X-24TS-L	GLC-LH-SMD	TMG	1 Gbps	SFP	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
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Transceiver Notes for above line :

• GLC-LH-SMD can be used on MMF with a maximum reach of 550m

• LC mode-conditioning cable required for MMF applications

WS-C2960X-24TS-L	GLC-ZX-SMD	TMG	1 Gbps	SFP	70km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-24TS-L	CWDM-SFP-XXXX	TMG	1 Gbps	SFP	100km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-48TS-L	GLC-GE-100FX	TMG	100 Mbps	SFP	2km	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C		IOS 15.0(2)EX	—
WS-C2960X-48TS-L	GLC-GE-100FX	TMG	100 Mbps	SFP	2km	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C		IOS 15.0(2)EX	—
WS-C2960X-48TS-L	GLC-T	TMG	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	0 to 70C		IOS 15.0(2)EX	—
WS-C2960X-48TS-L	GLC-TE	TMGBU	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	-5 to 85C		IOS 15.0(2)EX	—
WS-C2960X-48TS-L	GLC-BX-D	TMG	1 Gbps	SFP	10km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-48TS-L	GLC-BX-U	TMG	1 Gbps	SFP	10km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-48TS-L	GLC-EX-SMD	TMG	1 Gbps	SFP	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-48TS-L	GLC-SX-MMD	TMG	1 Gbps	SFP	1000m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX

Transceiver Notes for above line :

• FDDI: 220m; OM1: 275m; OM2: 550m; OM3, OM4/OM5: 1000m

WS-C2960X-48TS-L	GLC-LH-SMD	TMG	1 Gbps	SFP	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
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Transceiver Notes for above line :

• GLC-LH-SMD can be used on MMF with a maximum reach of 550m

• LC mode-conditioning cable required for MMF applications

WS-C2960X-48TS-L	GLC-ZX-SMD	TMG	1 Gbps	SFP	70km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-48TS-L	CWDM-SFP-XXXX	TMG	1 Gbps	SFP	100km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-48LPS-L	GLC-GE-100FX	TMG	100 Mbps	SFP	2km	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C		IOS 15.0(2)EX	—
WS-C2960X-48LPS-L	GLC-T	TMG	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	0 to 70C		IOS 15.0(2)EX	—
WS-C2960X-48LPS-L	GLC-TE	TMGBU	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	-5 to 85C		IOS 15.0(2)EX	—
WS-C2960X-48LPS-L	GLC-BX-D	TMG	1 Gbps	SFP	10km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-48LPS-L	GLC-BX-U	TMG	1 Gbps	SFP	10km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-48LPS-L	GLC-EX-SMD	TMG	1 Gbps	SFP	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX

Network Device Product ID	Transceiver Product ID	Transceiver Business Unit	Data Rate	Form Factor	Reach	Cable Type	Media	Connector Type	Transceiver Type	Case Temp	DOM Capable	Min Software Support	DOM Support
WS-C2960X-48LPS-L	GLC-SX-MMD	TMG	1 Gbps	SFP	1000m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
Transceiver Notes for above line : • FDDI: 220m; OM1: 275m; OM2: 550m; OM3, OM4/OM5: 1000m													
WS-C2960X-48LPS-L	GLC-LH-SMD	TMG	1 Gbps	SFP	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
Transceiver Notes for above line : • GLC-LH-SMD can be used on MMF with a maximum reach of 550m • LC mode-conditioning cable required for MMF applications													
WS-C2960X-48LPS-L	GLC-ZX-SMD	TMG	1 Gbps	SFP	70km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-48LPS-L	CWDM-SFP-XXXX	TMG	1 Gbps	SFP	100km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-48FPS-L	GLC-GE-100FX	TMG	100 Mbps	SFP	2km	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C		IOS 15.0(2)EX	—
WS-C2960X-48FPS-L	GLC-GE-100FX	TMG	100 Mbps	SFP	2km	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C		IOS 15.0(2)EX	—
WS-C2960X-48FPS-L	GLC-T	TMG	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	0 to 70C		IOS 15.0(2)EX	—
WS-C2960X-48FPS-L	GLC-TE	TMGBU	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	-5 to 85C		IOS 15.0(2)EX	—
WS-C2960X-48FPS-L	GLC-BX-D	TMG	1 Gbps	SFP	10km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-48FPS-L	GLC-BX-U	TMG	1 Gbps	SFP	10km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-48FPS-L	GLC-EX-SMD	TMG	1 Gbps	SFP	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-48FPS-L	GLC-SX-MMD	TMG	1 Gbps	SFP	1000m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
Transceiver Notes for above line : • FDDI: 220m; OM1: 275m; OM2: 550m; OM3, OM4/OM5: 1000m													
WS-C2960X-48FPS-L	GLC-LH-SMD	TMG	1 Gbps	SFP	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
Transceiver Notes for above line : • GLC-LH-SMD can be used on MMF with a maximum reach of 550m • LC mode-conditioning cable required for MMF applications													
WS-C2960X-48FPS-L	GLC-ZX-SMD	TMG	1 Gbps	SFP	70km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-48FPS-L	CWDM-SFP-XXXX	TMG	1 Gbps	SFP	100km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-24TD-L	GLC-GE-100FX	TMG	100 Mbps	SFP	2km	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C		IOS 15.0(2)EX	—
WS-C2960X-24TD-L	GLC-GE-100FX	TMG	100 Mbps	SFP	2km	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C		IOS 15.0(2)EX	—
WS-C2960X-24TD-L	SFP-10G-SR	TMG	10 Gbps	SFP+	400m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
Transceiver Notes for above line : • FDDI: 26m; OM1: 33m; OM2: 82m; OM3: 300m; OM4/OM5: 400m													
WS-C2960X-24TD-L	SFP-10G-SR-S	TMG	10 Gbps	SFP+	400m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
Transceiver Notes for above line : • FDDI: 26m; OM1: 33m; OM2: 82m; OM3: 300m; OM4/OM5: 400m													
WS-C2960X-24TD-L	SFP-10G-LRM	TMG	10 Gbps	SFP+	220m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
Transceiver Notes for above line : • SFP-10G-LRM can be used on SMF with a maximum reach of 300m													
WS-C2960X-24TD-L	SFP-10G-LR	TMG	10 Gbps	SFP+	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-24TD-L	SFP-10G-LR-S	TMG	10 Gbps	SFP+	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-24TD-L	SFP-10G-ER	TMG	10 Gbps	SFP+	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-24TD-L	SFP-10G-ER-S	TMG	10 Gbps	SFP+	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-24TD-L	SFP-10G-ZR	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(2)E3	IOS 15.2(2)E3
WS-C2960X-24TD-L	SFP-10G-ZR-S	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(2)E3	IOS 15.2(2)E3

Network Device Product ID	Transceiver Product ID	Transceiver Business Unit	Data Rate	Form Factor	Reach	Cable Type	Media	Connector Type	Transceiver Type	Case Temp	DOM Capable	Min Software Support	DOM Support
WS-C2960X-24TD-L	SFP-H10GB-CU1M	TMG	10 Gbps	SFP+	1m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
WS-C2960X-24TD-L	SFP-H10GB-CU3M	TMG	10 Gbps	SFP+	3m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
WS-C2960X-24TD-L	SFP-H10GB-CU5M	TMG	10 Gbps	SFP+	5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
WS-C2960X-24TD-L	SFP-H10GB-ACU7M	TMG	10 Gbps	SFP+	7m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-24TD-L	SFP-H10GB-ACU10M	TMG	10 Gbps	SFP+	10m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-24TD-L	SFP-10G-AOC1M	TMG	10 Gbps	SFP+	1m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-24TD-L	SFP-10G-AOC2M	TMG	10 Gbps	SFP+	2m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-24TD-L	SFP-10G-AOC3M	TMG	10 Gbps	SFP+	3m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-24TD-L	SFP-10G-AOC5M	TMG	10 Gbps	SFP+	5m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-24TD-L	SFP-10G-AOC7M	TMG	10 Gbps	SFP+	7m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-24TD-L	SFP-10G-AOC10M	TMG	10 Gbps	SFP+	10m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-24TD-L	DWDM-SFP10G-XX.XX	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(2)E3	IOS 15.2(2)E3
WS-C2960X-24TD-L	GLC-T	TMG	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	0 to 70C		IOS 15.0(2)EX	—
WS-C2960X-24TD-L	GLC-TE	TMGBU	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	-5 to 85C		IOS 15.0(2)EX	—
WS-C2960X-24TD-L	GLC-BX-D	TMG	1 Gbps	SFP	10km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-24TD-L	GLC-BX-U	TMG	1 Gbps	SFP	10km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-24TD-L	GLC-EX-SMD	TMG	1 Gbps	SFP	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-24TD-L	GLC-SX-MMD	TMG	1 Gbps	SFP	1000m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
Transceiver Notes for above line : • FDDI: 220m; OM1: 275m; OM2: 550m; OM3, OM4/OM5: 1000m													
WS-C2960X-24TD-L	GLC-LH-SMD	TMG	1 Gbps	SFP	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
Transceiver Notes for above line : • GLC-LH-SMD can be used on MMF with a maximum reach of 550m • LC mode-conditioning cable required for MMF applications													
WS-C2960X-24TD-L	GLC-ZX-SMD	TMG	1 Gbps	SFP	70km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-24TD-L	CWDM-SFP-XXXX	TMG	1 Gbps	SFP	100km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-24TD-L	SFP-H10GB-CU1-5M	TMG	10 Gbps	SFP+	1.5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-24TD-L	SFP-H10GB-CU2M	TMG	10 Gbps	SFP+	2m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-24TD-L	SFP-H10GB-CU2-5M	TMG	10 Gbps	SFP+	2.5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-24PD-L	GLC-GE-100FX	TMG	100 Mbps	SFP	2km	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C		IOS 15.0(2)EX	—
WS-C2960X-24PD-L	GLC-GE-100FX	TMG	100 Mbps	SFP	2km	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C		IOS 15.0(2)EX	—
WS-C2960X-24PD-L	SFP-10G-SR	TMG	10 Gbps	SFP+	400m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
Transceiver Notes for above line : • FDDI: 26m; OM1: 33m; OM2: 82m; OM3: 300m; OM4/OM5: 400m													
WS-C2960X-24PD-L	SFP-10G-SR-S	TMG	10 Gbps	SFP+	400m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
Transceiver Notes for above line : • FDDI: 26m; OM1: 33m; OM2: 82m; OM3: 300m; OM4/OM5: 400m													
WS-C2960X-24PD-L	SFP-10G-LRM	TMG	10 Gbps	SFP+	220m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
Transceiver Notes for above line : • SFP-10G-LRM can be used on SMF with a maximum reach of 300m													

Network Device Product ID	Transceiver Product ID	Transceiver Business Unit	Data Rate	Form Factor	Reach	Cable Type	Media	Connector Type	Transceiver Type	Case Temp	DOM Capable	Min Software Support	DOM Support
WS-C2960X-24PD-L	SFP-10G-LR	TMG	10 Gbps	SFP+	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-24PD-L	SFP-10G-LR-S	TMG	10 Gbps	SFP+	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-24PD-L	SFP-10G-ER	TMG	10 Gbps	SFP+	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-24PD-L	SFP-10G-ER-S	TMG	10 Gbps	SFP+	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-24PD-L	SFP-10G-ZR	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(2)E3	IOS 15.2(2)E3
WS-C2960X-24PD-L	SFP-10G-ZR-S	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(2)E3	IOS 15.2(2)E3
WS-C2960X-24PD-L	SFP-H10GB-CU1M	TMG	10 Gbps	SFP+	1m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
WS-C2960X-24PD-L	SFP-H10GB-CU3M	TMG	10 Gbps	SFP+	3m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
WS-C2960X-24PD-L	SFP-H10GB-CU5M	TMG	10 Gbps	SFP+	5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
WS-C2960X-24PD-L	SFP-H10GB-ACU7M	TMG	10 Gbps	SFP+	7m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-24PD-L	SFP-H10GB-ACU10M	TMG	10 Gbps	SFP+	10m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-24PD-L	SFP-10G-AOC1M	TMG	10 Gbps	SFP+	1m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-24PD-L	SFP-10G-AOC2M	TMG	10 Gbps	SFP+	2m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-24PD-L	SFP-10G-AOC3M	TMG	10 Gbps	SFP+	3m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-24PD-L	SFP-10G-AOC5M	TMG	10 Gbps	SFP+	5m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-24PD-L	SFP-10G-AOC7M	TMG	10 Gbps	SFP+	7m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-24PD-L	SFP-10G-AOC10M	TMG	10 Gbps	SFP+	10m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-24PD-L	DWDM-SFP10G-XX.XX	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(2)E3	IOS 15.2(2)E3
WS-C2960X-24PD-L	GLC-T	TMG	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	0 to 70C		IOS 15.0(2)EX	—
WS-C2960X-24PD-L	GLC-TE	TMGBU	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	-5 to 85C		IOS 15.0(2)EX	—
WS-C2960X-24PD-L	GLC-BX-D	TMG	1 Gbps	SFP	10km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-24PD-L	GLC-BX-U	TMG	1 Gbps	SFP	10km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-24PD-L	GLC-EX-SMD	TMG	1 Gbps	SFP	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-24PD-L	GLC-SX-MMD	TMG	1 Gbps	SFP	1000m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
Transceiver Notes for above line : • FDDI: 220m; OM1: 275m; OM2: 550m; OM3, OM4/OM5: 1000m													
WS-C2960X-24PD-L	GLC-LH-SMD	TMG	1 Gbps	SFP	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
Transceiver Notes for above line : • GLC-LH-SMD can be used on MMF with a maximum reach of 550m • LC mode-conditioning cable required for MMF applications													
WS-C2960X-24PD-L	GLC-ZX-SMD	TMG	1 Gbps	SFP	70km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-24PD-L	CWDM-SFP-XXXX	TMG	1 Gbps	SFP	100km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-24PD-L	SFP-H10GB-CU1-5M	TMG	10 Gbps	SFP+	1.5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-24PD-L	SFP-H10GB-CU2M	TMG	10 Gbps	SFP+	2m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-24PD-L	SFP-H10GB-CU2-5M	TMG	10 Gbps	SFP+	2.5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-48TD-L	GLC-GE-100FX	TMG	100 Mbps	SFP	2km	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C		IOS 15.0(2)EX	—
WS-C2960X-48TD-L	GLC-GE-100FX	TMG	100 Mbps	SFP	2km	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C		IOS 15.0(2)EX	—

Network Device Product ID	Transceiver Product ID	Transceiver Business Unit	Data Rate	Form Factor	Reach	Cable Type	Media	Connector Type	Transceiver Type	Case Temp	DOM Capable	Min Software Support	DOM Support
WS-C2960X-48TD-L	SFP-10G-SR	TMG	10 Gbps	SFP+	400m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
Transceiver Notes for above line : • FDDI: 26m; OM1: 33m; OM2: 82m; OM3: 300m; OM4/OM5: 400m													
WS-C2960X-48TD-L	SFP-10G-SR-S	TMG	10 Gbps	SFP+	400m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
Transceiver Notes for above line : • FDDI: 26m; OM1: 33m; OM2: 82m; OM3: 300m; OM4/OM5: 400m													
WS-C2960X-48TD-L	SFP-10G-LRM	TMG	10 Gbps	SFP+	220m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
Transceiver Notes for above line : • SFP-10G-LRM can be used on SMF with a maximum reach of 300m													
WS-C2960X-48TD-L	SFP-10G-LR	TMG	10 Gbps	SFP+	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-48TD-L	SFP-10G-LR-S	TMG	10 Gbps	SFP+	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-48TD-L	SFP-10G-ER	TMG	10 Gbps	SFP+	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-48TD-L	SFP-10G-ER-S	TMG	10 Gbps	SFP+	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-48TD-L	SFP-10G-ZR	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(2)E3	IOS 15.2(2)E3
WS-C2960X-48TD-L	SFP-10G-ZR-S	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(2)E3	IOS 15.2(2)E3
WS-C2960X-48TD-L	SFP-H10GB-CU1M	TMG	10 Gbps	SFP+	1m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
WS-C2960X-48TD-L	SFP-H10GB-CU3M	TMG	10 Gbps	SFP+	3m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
WS-C2960X-48TD-L	SFP-H10GB-CU5M	TMG	10 Gbps	SFP+	5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
WS-C2960X-48TD-L	SFP-H10GB-ACU7M	TMG	10 Gbps	SFP+	7m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-48TD-L	SFP-H10GB-ACU10M	TMG	10 Gbps	SFP+	10m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-48TD-L	SFP-10G-AOC1M	TMG	10 Gbps	SFP+	1m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-48TD-L	SFP-10G-AOC2M	TMG	10 Gbps	SFP+	2m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-48TD-L	SFP-10G-AOC3M	TMG	10 Gbps	SFP+	3m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-48TD-L	SFP-10G-AOC5M	TMG	10 Gbps	SFP+	5m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-48TD-L	SFP-10G-AOC7M	TMG	10 Gbps	SFP+	7m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-48TD-L	SFP-10G-AOC10M	TMG	10 Gbps	SFP+	10m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-48TD-L	DWDM-SFP10G-XX.XX	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(2)E3	IOS 15.2(2)E3
WS-C2960X-48TD-L	GLC-T	TMG	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	0 to 70C		IOS 15.0(2)EX	—
WS-C2960X-48TD-L	GLC-TE	TMGBU	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	-5 to 85C		IOS 15.0(2)EX	—
WS-C2960X-48TD-L	GLC-BX-D	TMG	1 Gbps	SFP	10km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-48TD-L	GLC-BX-U	TMG	1 Gbps	SFP	10km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-48TD-L	GLC-EX-SMD	TMG	1 Gbps	SFP	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-48TD-L	GLC-SX-MMD	TMG	1 Gbps	SFP	1000m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
Transceiver Notes for above line : • FDDI: 220m; OM1: 275m; OM2: 550m; OM3, OM4/OM5: 1000m													
WS-C2960X-48TD-L	GLC-LH-SMD	TMG	1 Gbps	SFP	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX

Network Device Product ID	Transceiver Product ID	Transceiver Business Unit	Data Rate	Form Factor	Reach	Cable Type	Media	Connector Type	Transceiver Type	Case Temp	DOM Capable	Min Software Support	DOM Support
Transceiver Notes for above line : • GLC-LH-SMD can be used on MMF with a maximum reach of 550m • LC mode-conditioning cable required for MMF applications													
WS-C2960X-48TD-L	GLC-ZX-SMD	TMG	1 Gbps	SFP	70km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-48TD-L	CWDM-SFP-XXXX	TMG	1 Gbps	SFP	100km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-48TD-L	SFP-H10GB-CU1-5M	TMG	10 Gbps	SFP+	1.5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-48TD-L	SFP-H10GB-CU2M	TMG	10 Gbps	SFP+	2m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-48TD-L	SFP-H10GB-CU2-5M	TMG	10 Gbps	SFP+	2.5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-48LPD-L	GLC-GE-100FX	TMG	100 Mbps	SFP	2km	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C		IOS 15.0(2)EX	—
WS-C2960X-48LPD-L	GLC-GE-100FX	TMG	100 Mbps	SFP	2km	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C		IOS 15.0(2)EX	—
WS-C2960X-48LPD-L	SFP-10G-SR	TMG	10 Gbps	SFP+	400m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
Transceiver Notes for above line : • FDDI: 26m; OM1: 33m; OM2: 82m; OM3: 300m; OM4/OM5: 400m													
WS-C2960X-48LPD-L	SFP-10G-SR-S	TMG	10 Gbps	SFP+	400m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
Transceiver Notes for above line : • FDDI: 26m; OM1: 33m; OM2: 82m; OM3: 300m; OM4/OM5: 400m													
WS-C2960X-48LPD-L	SFP-10G-LRM	TMG	10 Gbps	SFP+	220m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
Transceiver Notes for above line : • SFP-10G-LRM can be used on SMF with a maximum reach of 300m													
WS-C2960X-48LPD-L	SFP-10G-LR	TMG	10 Gbps	SFP+	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-48LPD-L	SFP-10G-LR-S	TMG	10 Gbps	SFP+	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-48LPD-L	SFP-10G-ER	TMG	10 Gbps	SFP+	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-48LPD-L	SFP-10G-ER-S	TMG	10 Gbps	SFP+	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-48LPD-L	SFP-10G-ZR	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(2)E3	IOS 15.2(2)E3
WS-C2960X-48LPD-L	SFP-10G-ZR-S	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(2)E3	IOS 15.2(2)E3
WS-C2960X-48LPD-L	SFP-H10GB-CU1M	TMG	10 Gbps	SFP+	1m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
WS-C2960X-48LPD-L	SFP-H10GB-CU3M	TMG	10 Gbps	SFP+	3m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
WS-C2960X-48LPD-L	SFP-H10GB-CU5M	TMG	10 Gbps	SFP+	5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
WS-C2960X-48LPD-L	SFP-H10GB-ACU7M	TMG	10 Gbps	SFP+	7m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-48LPD-L	SFP-H10GB-ACU10M	TMG	10 Gbps	SFP+	10m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-48LPD-L	SFP-10G-AOC1M	TMG	10 Gbps	SFP+	1m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-48LPD-L	SFP-10G-AOC2M	TMG	10 Gbps	SFP+	2m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-48LPD-L	SFP-10G-AOC3M	TMG	10 Gbps	SFP+	3m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-48LPD-L	SFP-10G-AOC5M	TMG	10 Gbps	SFP+	5m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-48LPD-L	SFP-10G-AOC7M	TMG	10 Gbps	SFP+	7m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-48LPD-L	SFP-10G-AOC10M	TMG	10 Gbps	SFP+	10m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-48LPD-L	DWDM-SFP10G-XX.XX	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(2)E3	IOS 15.2(2)E3
WS-C2960X-48LPD-L	GLC-T	TMG	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	0 to 70C		IOS 15.0(2)EX	—
WS-C2960X-48LPD-L	GLC-TE	TMGBU	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	-5 to 85C		IOS 15.0(2)EX	—

Network Device Product ID	Transceiver Product ID	Transceiver Business Unit	Data Rate	Form Factor	Reach	Cable Type	Media	Connector Type	Transceiver Type	Case Temp	DOM Capable	Min Software Support	DOM Support
WS-C2960X-48LPD-L	GLC-BX-D	TMG	1 Gbps	SFP	10km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-48LPD-L	GLC-BX-U	TMG	1 Gbps	SFP	10km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-48LPD-L	GLC-EX-SMD	TMG	1 Gbps	SFP	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-48LPD-L	GLC-SX-MMD	TMG	1 Gbps	SFP	1000m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
Transceiver Notes for above line : • FDDI: 220m; OM1: 275m; OM2: 550m; OM3, OM4/OM5: 1000m													
WS-C2960X-48LPD-L	GLC-LH-SMD	TMG	1 Gbps	SFP	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
Transceiver Notes for above line : • GLC-LH-SMD can be used on MMF with a maximum reach of 550m • LC mode-conditioning cable required for MMF applications													
WS-C2960X-48LPD-L	GLC-ZX-SMD	TMG	1 Gbps	SFP	70km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-48LPD-L	CWDM-SFP-XXXX	TMG	1 Gbps	SFP	100km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-48LPD-L	SFP-H10GB-CU1-5M	TMG	10 Gbps	SFP+	1.5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-48LPD-L	SFP-H10GB-CU2M	TMG	10 Gbps	SFP+	2m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-48LPD-L	SFP-H10GB-CU2-5M	TMG	10 Gbps	SFP+	2.5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-48FPD-L	GLC-GE-100FX	TMG	100 Mbps	SFP	2km	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C		IOS 15.0(2)EX	—
WS-C2960X-48FPD-L	GLC-GE-100FX	TMG	100 Mbps	SFP	2km	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C		IOS 15.0(2)EX	—
WS-C2960X-48FPD-L	SFP-10G-SR	TMG	10 Gbps	SFP+	400m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
Transceiver Notes for above line : • FDDI: 26m; OM1: 33m; OM2: 82m; OM3: 300m; OM4/OM5: 400m													
WS-C2960X-48FPD-L	SFP-10G-SR-S	TMG	10 Gbps	SFP+	400m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
Transceiver Notes for above line : • FDDI: 26m; OM1: 33m; OM2: 82m; OM3: 300m; OM4/OM5: 400m													
WS-C2960X-48FPD-L	SFP-10G-LRM	TMG	10 Gbps	SFP+	220m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
Transceiver Notes for above line : • SFP-10G-LRM can be used on SMF with a maximum reach of 300m													
WS-C2960X-48FPD-L	SFP-10G-LR	TMG	10 Gbps	SFP+	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-48FPD-L	SFP-10G-LR-S	TMG	10 Gbps	SFP+	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-48FPD-L	SFP-10G-ER	TMG	10 Gbps	SFP+	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-48FPD-L	SFP-10G-ER-S	TMG	10 Gbps	SFP+	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-48FPD-L	SFP-10G-ZR	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(2)E3	IOS 15.2(2)E3
WS-C2960X-48FPD-L	SFP-10G-ZR-S	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(2)E3	IOS 15.2(2)E3
WS-C2960X-48FPD-L	SFP-H10GB-CU1M	TMG	10 Gbps	SFP+	1m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
WS-C2960X-48FPD-L	SFP-H10GB-CU3M	TMG	10 Gbps	SFP+	3m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
WS-C2960X-48FPD-L	SFP-H10GB-CU5M	TMG	10 Gbps	SFP+	5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
WS-C2960X-48FPD-L	SFP-H10GB-ACU7M	TMG	10 Gbps	SFP+	7m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-48FPD-L	SFP-H10GB-ACU10M	TMG	10 Gbps	SFP+	10m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-48FPD-L	SFP-10G-AOC1M	TMG	10 Gbps	SFP+	1m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-48FPD-L	SFP-10G-AOC2M	TMG	10 Gbps	SFP+	2m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—

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
WS-C2960X-48FPD-L	SFP-10G-AOC3M	TMG	10 Gbps	SFP+	3m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-48FPD-L	SFP-10G-AOC5M	TMG	10 Gbps	SFP+	5m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-48FPD-L	SFP-10G-AOC7M	TMG	10 Gbps	SFP+	7m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-48FPD-L	SFP-10G-AOC10M	TMG	10 Gbps	SFP+	10m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-48FPD-L	DWDM-SFP10G-XX.XX	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(2)E3	IOS 15.2(2)E3
WS-C2960X-48FPD-L	GLC-T	TMG	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	0 to 70C		IOS 15.0(2)EX	—
WS-C2960X-48FPD-L	GLC-TE	TMGBU	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	-5 to 85C		IOS 15.0(2)EX	—
WS-C2960X-48FPD-L	GLC-BX-D	TMG	1 Gbps	SFP	10km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-48FPD-L	GLC-BX-U	TMG	1 Gbps	SFP	10km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-48FPD-L	GLC-EX-SMD	TMG	1 Gbps	SFP	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-48FPD-L	GLC-SX-MMD	TMG	1 Gbps	SFP	1000m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX

Transceiver Notes for above line :

• FDDI: 220m; OM1: 275m; OM2: 550m; OM3, OM4/OM5: 1000m

WS-C2960X-48FPD-L	GLC-LH-SMD	TMG	1 Gbps	SFP	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
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Transceiver Notes for above line :

• GLC-LH-SMD can be used on MMF with a maximum reach of 550m

• LC mode-conditioning cable required for MMF applications

WS-C2960X-48FPD-L	GLC-ZX-SMD	TMG	1 Gbps	SFP	70km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-48FPD-L	CWDM-SFP-XXXX	TMG	1 Gbps	SFP	100km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-48FPD-L	SFP-H10GB-CU1-5M	TMG	10 Gbps	SFP+	1.5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-48FPD-L	SFP-H10GB-CU2M	TMG	10 Gbps	SFP+	2m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-48FPD-L	SFP-H10GB-CU2-5M	TMG	10 Gbps	SFP+	2.5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960X-24PSQ-L	GLC-T	TMG	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	0 to 70C		IOS 15.0(2)EX	—
WS-C2960X-24PSQ-L	GLC-TE	TMGBU	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	-5 to 85C		IOS 15.0(2)EX	—
WS-C2960X-24PSQ-L	GLC-BX-D	TMG	1 Gbps	SFP	10km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-24PSQ-L	GLC-BX-U	TMG	1 Gbps	SFP	10km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-24PSQ-L	GLC-EX-SMD	TMG	1 Gbps	SFP	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
WS-C2960X-24PSQ-L	GLC-SX-MMD	TMG	1 Gbps	SFP	1000m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX

Transceiver Notes for above line :

• FDDI: 220m; OM1: 275m; OM2: 550m; OM3, OM4/OM5: 1000m

WS-C2960X-24PSQ-L	GLC-LH-SMD	TMG	1 Gbps	SFP	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
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Transceiver Notes for above line :

• GLC-LH-SMD can be used on MMF with a maximum reach of 550m

• LC mode-conditioning cable required for MMF applications

WS-C2960X-24PSQ-L	GLC-ZX-SMD	TMG	1 Gbps	SFP	70km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX	IOS 15.0(2)EX
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C2960XR

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
WS-C2960XR-24TS-I	GLC-GE-100FX	TMG	100 Mbps	SFP	2km	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C		IOS 15.0(2)EX1	—

Network Device Product ID	Transceiver Product ID	Transceiver Business Unit	Data Rate	Form Factor	Reach	Cable Type	Media	Connector Type	Transceiver Type	Case Temp	DOM Capable	Min Software Support	DOM Support
WS-C2960XR-24PS-I	GLC-LH-SMD	TMG	1 Gbps	SFP	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
Transceiver Notes for above line : • GLC-LH-SMD can be used on MMF with a maximum reach of 550m • LC mode-conditioning cable required for MMF applications													
WS-C2960XR-24PS-I	GLC-ZX-SMD	TMG	1 Gbps	SFP	70km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-24PS-I	CWDM-SFP-XXXX	TMG	1 Gbps	SFP	100km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-48LPS-I	GLC-GE-100FX	TMG	100 Mbps	SFP	2km	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C		IOS 15.0(2)EX1	—
WS-C2960XR-48LPS-I	GLC-GE-100FX	TMG	100 Mbps	SFP	2km	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C		IOS 15.0(2)EX1	—
WS-C2960XR-48LPS-I	GLC-T	TMG	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	0 to 70C		IOS 15.0(2)EX1	—
WS-C2960XR-48LPS-I	GLC-TE	TMGBU	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	-5 to 85C		IOS 15.0(2)EX1	—
WS-C2960XR-48LPS-I	GLC-BX-D	TMG	1 Gbps	SFP	10km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-48LPS-I	GLC-BX-U	TMG	1 Gbps	SFP	10km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-48LPS-I	GLC-EX-SMD	TMG	1 Gbps	SFP	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-48LPS-I	GLC-SX-MMD	TMG	1 Gbps	SFP	1000m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
Transceiver Notes for above line : • FDDI: 220m; OM1: 275m; OM2: 550m; OM3, OM4/OM5: 1000m													
WS-C2960XR-48LPS-I	GLC-LH-SMD	TMG	1 Gbps	SFP	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
Transceiver Notes for above line : • GLC-LH-SMD can be used on MMF with a maximum reach of 550m • LC mode-conditioning cable required for MMF applications													
WS-C2960XR-48LPS-I	GLC-ZX-SMD	TMG	1 Gbps	SFP	70km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-48LPS-I	CWDM-SFP-XXXX	TMG	1 Gbps	SFP	100km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-48FPS-I	GLC-GE-100FX	TMG	100 Mbps	SFP	2km	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C		IOS 15.0(2)EX1	—
WS-C2960XR-48FPS-I	GLC-GE-100FX	TMG	100 Mbps	SFP	2km	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C		IOS 15.0(2)EX1	—
WS-C2960XR-48FPS-I	GLC-T	TMG	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	0 to 70C		IOS 15.0(2)EX1	—
WS-C2960XR-48FPS-I	GLC-TE	TMGBU	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	-5 to 85C		IOS 15.0(2)EX1	—
WS-C2960XR-48FPS-I	GLC-BX-D	TMG	1 Gbps	SFP	10km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-48FPS-I	GLC-BX-U	TMG	1 Gbps	SFP	10km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-48FPS-I	GLC-EX-SMD	TMG	1 Gbps	SFP	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-48FPS-I	GLC-SX-MMD	TMG	1 Gbps	SFP	1000m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
Transceiver Notes for above line : • FDDI: 220m; OM1: 275m; OM2: 550m; OM3, OM4/OM5: 1000m													
WS-C2960XR-48FPS-I	GLC-LH-SMD	TMG	1 Gbps	SFP	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
Transceiver Notes for above line : • GLC-LH-SMD can be used on MMF with a maximum reach of 550m • LC mode-conditioning cable required for MMF applications													
WS-C2960XR-48FPS-I	GLC-ZX-SMD	TMG	1 Gbps	SFP	70km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-48FPS-I	CWDM-SFP-XXXX	TMG	1 Gbps	SFP	100km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-24TD-I	GLC-GE-100FX	TMG	100 Mbps	SFP	2km	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C		IOS 15.0(2)EX1	—
WS-C2960XR-24TD-I	GLC-GE-100FX	TMG	100 Mbps	SFP	2km	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C		IOS 15.0(2)EX1	—
WS-C2960XR-24TD-I	SFP-10G-SR	TMG	10 Gbps	SFP+	400m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1

Network Device Product ID	Transceiver Product ID	Transceiver Business Unit	Data Rate	Form Factor	Reach	Cable Type	Media	Connector Type	Transceiver Type	Case Temp	DOM Capable	Min Software Support	DOM Support
Transceiver Notes for above line : • FDDI: 26m; OM1: 33m; OM2: 82m; OM3: 300m; OM4/OM5: 400m													
WS-C2960XR-24TD-I	SFP-10G-SR-S	TMG	10 Gbps	SFP+	400m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
Transceiver Notes for above line : • FDDI: 26m; OM1: 33m; OM2: 82m; OM3: 300m; OM4/OM5: 400m													
WS-C2960XR-24TD-I	SFP-10G-LRM	TMG	10 Gbps	SFP+	220m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
Transceiver Notes for above line : • SFP-10G-LRM can be used on SMF with a maximum reach of 300m													
WS-C2960XR-24TD-I	SFP-10G-LR	TMG	10 Gbps	SFP+	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-24TD-I	SFP-10G-LR-S	TMG	10 Gbps	SFP+	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-24TD-I	SFP-10G-ER	TMG	10 Gbps	SFP+	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-24TD-I	SFP-10G-ER-S	TMG	10 Gbps	SFP+	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-24TD-I	SFP-10G-ZR	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(2)E3	IOS 15.2(2)E3
WS-C2960XR-24TD-I	SFP-10G-ZR-S	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(2)E3	IOS 15.2(2)E3
WS-C2960XR-24TD-I	SFP-H10GB-CU1M	TMG	10 Gbps	SFP+	1m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
WS-C2960XR-24TD-I	SFP-H10GB-CU3M	TMG	10 Gbps	SFP+	3m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
WS-C2960XR-24TD-I	SFP-H10GB-CU5M	TMG	10 Gbps	SFP+	5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
WS-C2960XR-24TD-I	SFP-H10GB-ACU7M	TMG	10 Gbps	SFP+	7m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-24TD-I	SFP-H10GB-ACU10M	TMG	10 Gbps	SFP+	10m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-24TD-I	SFP-10G-AOC1M	TMG	10 Gbps	SFP+	1m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-24TD-I	SFP-10G-AOC2M	TMG	10 Gbps	SFP+	2m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-24TD-I	SFP-10G-AOC3M	TMG	10 Gbps	SFP+	3m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-24TD-I	SFP-10G-AOC5M	TMG	10 Gbps	SFP+	5m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-24TD-I	SFP-10G-AOC7M	TMG	10 Gbps	SFP+	7m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-24TD-I	SFP-10G-AOC10M	TMG	10 Gbps	SFP+	10m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-24TD-I	DWDM-SFP10G-XX.XX	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(2)E3	IOS 15.2(2)E3
WS-C2960XR-24TD-I	GLC-T	TMG	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	0 to 70C		IOS 15.0(2)EX1	—
WS-C2960XR-24TD-I	GLC-TE	TMGBU	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	-5 to 85C		IOS 15.0(2)EX1	—
WS-C2960XR-24TD-I	GLC-BX-D	TMG	1 Gbps	SFP	10km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-24TD-I	GLC-BX-U	TMG	1 Gbps	SFP	10km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-24TD-I	GLC-EX-SMD	TMG	1 Gbps	SFP	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-24TD-I	GLC-SX-MMD	TMG	1 Gbps	SFP	1000m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
Transceiver Notes for above line : • FDDI: 220m; OM1: 275m; OM2: 550m; OM3, OM4/OM5: 1000m													
WS-C2960XR-24TD-I	GLC-LH-SMD	TMG	1 Gbps	SFP	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
Transceiver Notes for above line : • GLC-LH-SMD can be used on MMF with a maximum reach of 550m • LC mode-conditioning cable required for MMF applications													

Network Device Product ID	Transceiver Product ID	Transceiver Business Unit	Data Rate	Form Factor	Reach	Cable Type	Media	Connector Type	Transceiver Type	Case Temp	DOM Capable	Min Software Support	DOM Support
WS-C2960XR-24TD-I	GLC-ZX-SMD	TMG	1 Gbps	SFP	70km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-24TD-I	CWDM-SFP-XXXX	TMG	1 Gbps	SFP	100km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-24TD-I	SFP-H10GB-CU1-5M	TMG	10 Gbps	SFP+	1.5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-24TD-I	SFP-H10GB-CU2M	TMG	10 Gbps	SFP+	2m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-24TD-I	SFP-H10GB-CU2-5M	TMG	10 Gbps	SFP+	2.5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-48TD-I	GLC-GE-100FX	TMG	100 Mbps	SFP	2km	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C		IOS 15.0(2)EX1	—
WS-C2960XR-48TD-I	GLC-GE-100FX	TMG	100 Mbps	SFP	2km	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C		IOS 15.0(2)EX1	—
WS-C2960XR-48TD-I	SFP-10G-SR	TMG	10 Gbps	SFP+	400m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
Transceiver Notes for above line : • FDDI: 26m; OM1: 33m; OM2: 82m; OM3: 300m; OM4/OM5: 400m													
WS-C2960XR-48TD-I	SFP-10G-SR-S	TMG	10 Gbps	SFP+	400m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
Transceiver Notes for above line : • FDDI: 26m; OM1: 33m; OM2: 82m; OM3: 300m; OM4/OM5: 400m													
WS-C2960XR-48TD-I	SFP-10G-LRM	TMG	10 Gbps	SFP+	220m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
Transceiver Notes for above line : • SFP-10G-LRM can be used on SMF with a maximum reach of 300m													
WS-C2960XR-48TD-I	SFP-10G-LR	TMG	10 Gbps	SFP+	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-48TD-I	SFP-10G-LR-S	TMG	10 Gbps	SFP+	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-48TD-I	SFP-10G-ER	TMG	10 Gbps	SFP+	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-48TD-I	SFP-10G-ER-S	TMG	10 Gbps	SFP+	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-48TD-I	SFP-10G-ZR	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(2)E3	IOS 15.2(2)E3
WS-C2960XR-48TD-I	SFP-10G-ZR-S	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(2)E3	IOS 15.2(2)E3
WS-C2960XR-48TD-I	SFP-H10GB-CU1M	TMG	10 Gbps	SFP+	1m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
WS-C2960XR-48TD-I	SFP-H10GB-CU3M	TMG	10 Gbps	SFP+	3m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
WS-C2960XR-48TD-I	SFP-H10GB-CU5M	TMG	10 Gbps	SFP+	5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
WS-C2960XR-48TD-I	SFP-H10GB-ACU7M	TMG	10 Gbps	SFP+	7m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-48TD-I	SFP-H10GB-ACU10M	TMG	10 Gbps	SFP+	10m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-48TD-I	SFP-10G-AOC1M	TMG	10 Gbps	SFP+	1m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-48TD-I	SFP-10G-AOC2M	TMG	10 Gbps	SFP+	2m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-48TD-I	SFP-10G-AOC3M	TMG	10 Gbps	SFP+	3m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-48TD-I	SFP-10G-AOC5M	TMG	10 Gbps	SFP+	5m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-48TD-I	SFP-10G-AOC7M	TMG	10 Gbps	SFP+	7m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-48TD-I	SFP-10G-AOC10M	TMG	10 Gbps	SFP+	10m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-48TD-I	DWDM-SFP10G-XX.XX	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(2)E3	IOS 15.2(2)E3
WS-C2960XR-48TD-I	GLC-T	TMG	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	0 to 70C		IOS 15.0(2)EX1	—
WS-C2960XR-48TD-I	GLC-TE	TMGBU	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	-5 to 85C		IOS 15.0(2)EX1	—
WS-C2960XR-48TD-I	GLC-BX-D	TMG	1 Gbps	SFP	10km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1

Network Device Product ID	Transceiver Product ID	Transceiver Business Unit	Data Rate	Form Factor	Reach	Cable Type	Media	Connector Type	Transceiver Type	Case Temp	DOM Capable	Min Software Support	DOM Support
WS-C2960XR-48TD-I	GLC-BX-U	TMG	1 Gbps	SFP	10km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-48TD-I	GLC-EX-SMD	TMG	1 Gbps	SFP	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-48TD-I	GLC-SX-MMD	TMG	1 Gbps	SFP	1000m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
Transceiver Notes for above line : • FDDI: 220m; OM1: 275m; OM2: 550m; OM3, OM4/OM5: 1000m													
WS-C2960XR-48TD-I	GLC-LH-SMD	TMG	1 Gbps	SFP	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
Transceiver Notes for above line : • GLC-LH-SMD can be used on MMF with a maximum reach of 550m • LC mode-conditioning cable required for MMF applications													
WS-C2960XR-48TD-I	GLC-ZX-SMD	TMG	1 Gbps	SFP	70km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-48TD-I	CWDM-SFP-XXXX	TMG	1 Gbps	SFP	100km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-48TD-I	SFP-H10GB-CU1-5M	TMG	10 Gbps	SFP+	1.5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-48TD-I	SFP-H10GB-CU2M	TMG	10 Gbps	SFP+	2m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-48TD-I	SFP-H10GB-CU2-5M	TMG	10 Gbps	SFP+	2.5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-24PD-I	GLC-GE-100FX	TMG	100 Mbps	SFP	2km	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C		IOS 15.0(2)EX1	—
WS-C2960XR-24PD-I	GLC-GE-100FX	TMG	100 Mbps	SFP	2km	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C		IOS 15.0(2)EX1	—
WS-C2960XR-24PD-I	SFP-10G-SR	TMG	10 Gbps	SFP+	400m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
Transceiver Notes for above line : • FDDI: 26m; OM1: 33m; OM2: 82m; OM3: 300m; OM4/OM5: 400m													
WS-C2960XR-24PD-I	SFP-10G-SR-S	TMG	10 Gbps	SFP+	400m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
Transceiver Notes for above line : • FDDI: 26m; OM1: 33m; OM2: 82m; OM3: 300m; OM4/OM5: 400m													
WS-C2960XR-24PD-I	SFP-10G-LRM	TMG	10 Gbps	SFP+	220m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
Transceiver Notes for above line : • SFP-10G-LRM can be used on SMF with a maximum reach of 300m													
WS-C2960XR-24PD-I	SFP-10G-LR	TMG	10 Gbps	SFP+	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-24PD-I	SFP-10G-LR-S	TMG	10 Gbps	SFP+	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-24PD-I	SFP-10G-ER	TMG	10 Gbps	SFP+	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-24PD-I	SFP-10G-ER-S	TMG	10 Gbps	SFP+	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-24PD-I	SFP-10G-ZR	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(2)E3	IOS 15.2(2)E3
WS-C2960XR-24PD-I	SFP-10G-ZR-S	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(2)E3	IOS 15.2(2)E3
WS-C2960XR-24PD-I	SFP-H10GB-CU1M	TMG	10 Gbps	SFP+	1m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
WS-C2960XR-24PD-I	SFP-H10GB-CU3M	TMG	10 Gbps	SFP+	3m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
WS-C2960XR-24PD-I	SFP-H10GB-CU5M	TMG	10 Gbps	SFP+	5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
WS-C2960XR-24PD-I	SFP-H10GB-ACU7M	TMG	10 Gbps	SFP+	7m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-24PD-I	SFP-H10GB-ACU10M	TMG	10 Gbps	SFP+	10m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-24PD-I	SFP-10G-AOC1M	TMG	10 Gbps	SFP+	1m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-24PD-I	SFP-10G-AOC2M	TMG	10 Gbps	SFP+	2m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-24PD-I	SFP-10G-AOC3M	TMG	10 Gbps	SFP+	3m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—

Network Device Product ID	Transceiver Product ID	Transceiver Business Unit	Data Rate	Form Factor	Reach	Cable Type	Media	Connector Type	Transceiver Type	Case Temp	DOM Capable	Min Software Support	DOM Support
WS-C2960XR-24PD-I	SFP-10G-AOC5M	TMG	10 Gbps	SFP+	5m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-24PD-I	SFP-10G-AOC7M	TMG	10 Gbps	SFP+	7m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-24PD-I	SFP-10G-AOC10M	TMG	10 Gbps	SFP+	10m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-24PD-I	DWDM-SFP10G-XX.XX	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(2)E3	IOS 15.2(2)E3
WS-C2960XR-24PD-I	GLC-T	TMG	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	0 to 70C		IOS 15.0(2)EX1	—
WS-C2960XR-24PD-I	GLC-TE	TMGBU	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	-5 to 85C		IOS 15.0(2)EX1	—
WS-C2960XR-24PD-I	GLC-BX-D	TMG	1 Gbps	SFP	10km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-24PD-I	GLC-BX-U	TMG	1 Gbps	SFP	10km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-24PD-I	GLC-EX-SMD	TMG	1 Gbps	SFP	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-24PD-I	GLC-SX-MMD	TMG	1 Gbps	SFP	1000m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
Transceiver Notes for above line : • FDDI: 220m; OM1: 275m; OM2: 550m; OM3, OM4/OM5: 1000m													
WS-C2960XR-24PD-I	GLC-LH-SMD	TMG	1 Gbps	SFP	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
Transceiver Notes for above line : • GLC-LH-SMD can be used on MMF with a maximum reach of 550m • LC mode-conditioning cable required for MMF applications													
WS-C2960XR-24PD-I	GLC-ZX-SMD	TMG	1 Gbps	SFP	70km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-24PD-I	CWDM-SFP-XXXX	TMG	1 Gbps	SFP	100km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-24PD-I	SFP-H10GB-CU1-5M	TMG	10 Gbps	SFP+	1.5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-24PD-I	SFP-H10GB-CU2M	TMG	10 Gbps	SFP+	2m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-24PD-I	SFP-H10GB-CU2-5M	TMG	10 Gbps	SFP+	2.5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-48LPD-I	GLC-GE-100FX	TMG	100 Mbps	SFP	2km	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C		IOS 15.0(2)EX1	—
WS-C2960XR-48LPD-I	GLC-GE-100FX	TMG	100 Mbps	SFP	2km	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C		IOS 15.0(2)EX1	—
WS-C2960XR-48LPD-I	SFP-10G-SR	TMG	10 Gbps	SFP+	400m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
Transceiver Notes for above line : • FDDI: 26m; OM1: 33m; OM2: 82m; OM3: 300m; OM4/OM5: 400m													
WS-C2960XR-48LPD-I	SFP-10G-SR-S	TMG	10 Gbps	SFP+	400m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
Transceiver Notes for above line : • FDDI: 26m; OM1: 33m; OM2: 82m; OM3: 300m; OM4/OM5: 400m													
WS-C2960XR-48LPD-I	SFP-10G-LRM	TMG	10 Gbps	SFP+	220m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
Transceiver Notes for above line : • SFP-10G-LRM can be used on SMF with a maximum reach of 300m													
WS-C2960XR-48LPD-I	SFP-10G-LR	TMG	10 Gbps	SFP+	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-48LPD-I	SFP-10G-LR-S	TMG	10 Gbps	SFP+	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-48LPD-I	SFP-10G-ER	TMG	10 Gbps	SFP+	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-48LPD-I	SFP-10G-ER-S	TMG	10 Gbps	SFP+	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-48LPD-I	SFP-10G-ZR	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(2)E3	IOS 15.2(2)E3
WS-C2960XR-48LPD-I	SFP-10G-ZR-S	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(2)E3	IOS 15.2(2)E3
WS-C2960XR-48LPD-I	SFP-H10GB-CU1M	TMG	10 Gbps	SFP+	1m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
WS-C2960XR-48LPD-I	SFP-H10GB-CU3M	TMG	10 Gbps	SFP+	3m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—

Network Device Product ID	Transceiver Product ID	Transceiver Business Unit	Data Rate	Form Factor	Reach	Cable Type	Media	Connector Type	Transceiver Type	Case Temp	DOM Capable	Min Software Support	DOM Support
Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
WS-C2960XR-48LPD-I	SFP-H10GB-CU5M	TMG	10 Gbps	SFP+	5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
WS-C2960XR-48LPD-I	SFP-H10GB-ACU7M	TMG	10 Gbps	SFP+	7m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-48LPD-I	SFP-H10GB-ACU10M	TMG	10 Gbps	SFP+	10m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-48LPD-I	SFP-10G-AOC1M	TMG	10 Gbps	SFP+	1m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-48LPD-I	SFP-10G-AOC2M	TMG	10 Gbps	SFP+	2m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-48LPD-I	SFP-10G-AOC3M	TMG	10 Gbps	SFP+	3m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-48LPD-I	SFP-10G-AOC5M	TMG	10 Gbps	SFP+	5m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-48LPD-I	SFP-10G-AOC7M	TMG	10 Gbps	SFP+	7m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-48LPD-I	SFP-10G-AOC10M	TMG	10 Gbps	SFP+	10m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-48LPD-I	DWDM-SFP10G-XX.XX	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(2)E3	IOS 15.2(2)E3
WS-C2960XR-48LPD-I	GLC-T	TMG	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	0 to 70C		IOS 15.0(2)EX1	—
WS-C2960XR-48LPD-I	GLC-TE	TMGBU	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	-5 to 85C		IOS 15.0(2)EX1	—
WS-C2960XR-48LPD-I	GLC-BX-D	TMG	1 Gbps	SFP	10km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)E X1
WS-C2960XR-48LPD-I	GLC-BX-U	TMG	1 Gbps	SFP	10km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)E X1
WS-C2960XR-48LPD-I	GLC-EX-SMD	TMG	1 Gbps	SFP	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX1	IOS 15.0(2)E X1
WS-C2960XR-48LPD-I	GLC-SX-MMD	TMG	1 Gbps	SFP	1000m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX1	IOS 15.0(2)E X1
Transceiver Notes for above line : • FDDI: 220m; OM1: 275m; OM2: 550m; OM3, OM4/OM5: 1000m													
WS-C2960XR-48LPD-I	GLC-LH-SMD	TMG	1 Gbps	SFP	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX1	IOS 15.0(2)E X1
Transceiver Notes for above line : • GLC-LH-SMD can be used on MMF with a maximum reach of 550m • LC mode-conditioning cable required for MMF applications													
WS-C2960XR-48LPD-I	GLC-ZX-SMD	TMG	1 Gbps	SFP	70km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX1	IOS 15.0(2)E X1
WS-C2960XR-48LPD-I	CWDM-SFP-XXXX	TMG	1 Gbps	SFP	100km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)E X1
WS-C2960XR-48LPD-I	SFP-H10GB-CU1-5M	TMG	10 Gbps	SFP+	1.5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-48LPD-I	SFP-H10GB-CU2M	TMG	10 Gbps	SFP+	2m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-48LPD-I	SFP-H10GB-CU2-5M	TMG	10 Gbps	SFP+	2.5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-48FPD-I	GLC-GE-100FX	TMG	100 Mbps	SFP	2km	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C		IOS 15.0(2)EX1	—
WS-C2960XR-48FPD-I	GLC-GE-100FX	TMG	100 Mbps	SFP	2km	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C		IOS 15.0(2)EX1	—
WS-C2960XR-48FPD-I	SFP-10G-SR	TMG	10 Gbps	SFP+	400m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)E X1
Transceiver Notes for above line : • FDDI: 26m; OM1: 33m; OM2: 82m; OM3: 300m; OM4/OM5: 400m													
WS-C2960XR-48FPD-I	SFP-10G-SR-S	TMG	10 Gbps	SFP+	400m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)E X1
Transceiver Notes for above line : • FDDI: 26m; OM1: 33m; OM2: 82m; OM3: 300m; OM4/OM5: 400m													
WS-C2960XR-48FPD-I	SFP-10G-LRM	TMG	10 Gbps	SFP+	220m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)E X1
Transceiver Notes for above line : • SFP-10G-LRM can be used on SMF with a maximum reach of 300m													
WS-C2960XR-48FPD-I	SFP-10G-LR	TMG	10 Gbps	SFP+	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)E X1
WS-C2960XR-48FPD-I	SFP-10G-LR-S	TMG	10 Gbps	SFP+	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)E X1

Network Device Product ID	Transceiver Product ID	Transceiver Business Unit	Data Rate	Form Factor	Reach	Cable Type	Media	Connector Type	Transceiver Type	Case Temp	DOM Capable	Min Software Support	DOM Support
WS-C2960XR-48FPD-I	SFP-10G-ER	TMG	10 Gbps	SFP+	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-48FPD-I	SFP-10G-ER-S	TMG	10 Gbps	SFP+	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-48FPD-I	SFP-10G-ZR	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(2)E3	IOS 15.2(2)E3
WS-C2960XR-48FPD-I	SFP-10G-ZR-S	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(2)E3	IOS 15.2(2)E3
WS-C2960XR-48FPD-I	SFP-H10GB-CU1M	TMG	10 Gbps	SFP+	1m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
WS-C2960XR-48FPD-I	SFP-H10GB-CU3M	TMG	10 Gbps	SFP+	3m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
WS-C2960XR-48FPD-I	SFP-H10GB-CU5M	TMG	10 Gbps	SFP+	5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
Transceiver Notes for above line : • Only Version -02 and later of this DAC is supported													
WS-C2960XR-48FPD-I	SFP-H10GB-ACU7M	TMG	10 Gbps	SFP+	7m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-48FPD-I	SFP-H10GB-ACU10M	TMG	10 Gbps	SFP+	10m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-48FPD-I	SFP-10G-AOC1M	TMG	10 Gbps	SFP+	1m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-48FPD-I	SFP-10G-AOC2M	TMG	10 Gbps	SFP+	2m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-48FPD-I	SFP-10G-AOC3M	TMG	10 Gbps	SFP+	3m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-48FPD-I	SFP-10G-AOC5M	TMG	10 Gbps	SFP+	5m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-48FPD-I	SFP-10G-AOC7M	TMG	10 Gbps	SFP+	7m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-48FPD-I	SFP-10G-AOC10M	TMG	10 Gbps	SFP+	10m	Preterminated cable	AOC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-48FPD-I	DWDM-SFP10G-XX.XX	TMG	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.2(2)E3	IOS 15.2(2)E3
WS-C2960XR-48FPD-I	GLC-T	TMG	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	0 to 70C		IOS 15.0(2)EX1	—
WS-C2960XR-48FPD-I	GLC-TE	TMGBU	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45	Copper	-5 to 85C		IOS 15.0(2)EX1	—
WS-C2960XR-48FPD-I	GLC-BX-D	TMG	1 Gbps	SFP	10km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-48FPD-I	GLC-BX-U	TMG	1 Gbps	SFP	10km	Single-strand Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-48FPD-I	GLC-EX-SMD	TMG	1 Gbps	SFP	40km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-48FPD-I	GLC-SX-MMD	TMG	1 Gbps	SFP	1000m	Duplex Fiber	MMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
Transceiver Notes for above line : • FDDI: 220m; OM1: 275m; OM2: 550m; OM3, OM4/OM5: 1000m													
WS-C2960XR-48FPD-I	GLC-LH-SMD	TMG	1 Gbps	SFP	10km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
Transceiver Notes for above line : • GLC-LH-SMD can be used on MMF with a maximum reach of 550m • LC mode-conditioning cable required for MMF applications													
WS-C2960XR-48FPD-I	GLC-ZX-SMD	TMG	1 Gbps	SFP	70km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	-5 to 85C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-48FPD-I	CWDM-SFP-XXXX	TMG	1 Gbps	SFP	100km	Duplex Fiber	SMF	LC (PC or UPC)	Optic	0 to 70C	Y	IOS 15.0(2)EX1	IOS 15.0(2)EX1
WS-C2960XR-48FPD-I	SFP-H10GB-CU1-5M	TMG	10 Gbps	SFP+	1.5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-48FPD-I	SFP-H10GB-CU2M	TMG	10 Gbps	SFP+	2m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—
WS-C2960XR-48FPD-I	SFP-H10GB-CU2-5M	TMG	10 Gbps	SFP+	2.5m	Preterminated cable	DAC	N/A	Cable	0 to 70C		IOS 15.2(2)E	—