

Overview

Cisco 8808-SYS is the Cisco 8808 8-slot System.

Quick Spec

Table 1 shows the quick spec.

Part Number	8808-SYS
Description	Cisco 8808 8-slot System
Bandwidth	115.2 Tbps
Ports	48 QSFP28 100 GbE with MACSec 36 QSFP56-DD 400 GbE
Power Supply	Typical system power at 115.2 Tbps: 13 KW 9 high-voltage power supplies or 12 48V DC power supplies
Dimension	(H) 28 x (W) 17.45 x (D) 33.73 in. (71.12 x 44.32 x 85.7 cm) – 16 RU – 8 line cards Depth with cable management, filter, and doors: 41.18 in. (104.6 cm)

Product Details

With up to ~260 Tbps via 648 400 GbE ports, the Cisco 8800 Series delivers breakthrough density and efficiency with the extensive scale, buffering, and feature capabilities common to all the Cisco 8000 Series of routers. It includes three chassis – the 8808, 8812, and 8818 – to meet a broad set of network and facility requirements.

In addition to reducing per-port power relative to previous generations, the Cisco 8800 Series enables even greater savings by reducing the number of routers required in a given location – potentially removing entire layers from a network. This results in a significant reduction in the total number of router port and optics, one of the top contributors to network costs.

Compare to Similar Items

Table 2 shows the comparison.

Chassis	Bandwidth	Ports	Height
Cisco 8201	10.8 Tbps	24 QSFP56-DD 400 GbE 12 QSFP28 100 GbE	1 RU
Cisco 8202		12 QSFP56-DD 400 GbE 60 QSFP28 100 GbE	2 RU
Cisco 8808	115.2 Tbps	48 QSFP28 100 GbE with MACSec 36 QSFP56-DD 400 GbE	8 slots / 16 RU
Cisco 8812	172.8 Tbps		12 slots / 21 RU
Cisco 8818	259.2 Tbps		18 slots / 33 RU

Get More Information

Do you have any question about the 8808-SYS?

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Specification

8808-SYS Specification	
Operating temperature	32 to 104°F (0 to 40°C)
Nonoperating temperature	-40 to 158°F (-40 to 70°C)
Humidity	5% to 95% (noncondensing)
Altitude	0 to 9842 ft. (0 to 3000 m)
Feature	2 route processors Intel Broadwell 4-core 2.4 GHz CPU with 32 GB of DRAM. RS-232 console, 10 GbE Control Plane expansion SFP+, 1 GbE Management & BMC port, 2x USB2.0, GBP (ToD, 10MHz, 1PPS), 1588, and BITs (sync). Cable management, doors, and air filters 6.3 KW power supply for AC and high-voltage DC (180 to 305V AC, 192 to 200V DC) 4.4 KW power supply for 48V 60A DC (-40 to -75V DC) 4.8 KW power supply for 48V 100A DC (-40 to -75V DC) Horizontal line cards with 8 vertical fabric cards and 4 fan trays Rack mountable in standard 19 in. (48.3 cm) rack
Power Supply	Typical system power at 115.2 Tbps: 13 KW 9 high-voltage power supplies or 12 48V DC power supplies
Dimension	(H) 28 x (W) 17.45 x (D) 33.73 in. (71.12 x 44.32 x 85.7 cm) – 16 RU – 8 line cards Depth with cable management, filter, and doors: 41.18 in. (104.6 cm)
Regulatory compliance	Products should comply with CE Markings according to directives 2004/108/EC and 2006/95/EC.
Safety	UL 60950-1 Second Edition CAN/CSA-C22.2 No. 60950-1 Second Edition EN 60950-1 Second Edition IEC 60950-1 Second Edition AS/NZS 60950-1 GB4943
EMC: Emissions	47CFR Part 15 (CFR 47) Class A AS/NZS CISPR22 Class A CISPR22 Class A EN55022 Class A ICES003 Class A VCCI Class A EN61000-3-2 EN61000-3-3 KN32 Class A CNS13438 Class A
EMC: Immunity	EN55024 CISPR24 EN300386 KN 61000-4 Series
RoHS	The product is RoHS-6 compliant with exceptions for leaded-ball grid-array (BGA) balls and lead press-fit connectors.

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