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PRODUCT DATASHEET
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CISCO · CATALYST 9400 SWITCHES

C9407R

5 Line Card Slots · Up To 240 Access Ports · 4320W PoE Budget Per Slot

New, factory-sealed · 3-year LSCare warranty · Ships from Hong Kong and US stock

Product Model	C9407R
Category	Catalyst 9400 Switches
Condition	New, factory-sealed
Warranty	3-year LSCare warranty
Supplier	Layer23-Switch · www.layer23-switch.com

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200+	18,000+	US$9M+	3-Year
Countries Served	Customers Worldwide	Ready-Stock Inventory	Warranty

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C9407R

5 Line Card Slots · Up To 240 Access Ports · 4320W PoE Budget Per Slot

The C9407R is the Cisco Catalyst 9400 Series 7 slot chassis, the mid-size modular platform in the family and the one that carries five line cards behind a redundant supervisor pair.

New, factory-sealed · 3-year LSCare warranty · 14-day returns · Cisco SN check before shipment

Specifications

Product ID	C9407R	**Cisco ordering description**	Cisco Catalyst 9400 Series 7 slot chassis, spare part number C9407R=
Total slots	7	**Line-card slots**	5, in slot positions 1, 2 and 5 to 7
Supervisor engine slots	2, in dedicated slot positions 3 and 4	**Slot restriction**	Line cards are not supported in the supervisor engine slots
Supervisor engines supported	C9400-SUP-1, C9400-SUP-1XL, C9400-SUP-1XL-Y, C9400X-SUP-2 and C9400X-SUP-2XL	**Supervisor engine redundancy**	Yes, 1+1 redundancy with NSF/SSO and ISSU under 200 msec on dual supervisor engines
Bandwidth per line-card slot	480 Gbps with C9400X-SUP-2XL, 240 Gbps with C9400X-SUP-2, 120 Gbps with C9400-SUP-1XL and C9400-SUP-1XL-Y, 80 Gbps with C9400-SUP-1	**Maximum bandwidth scalability per line-card slot**	Up to 480 Gbps on all slots
Maximum 1G copper ports	240 ports of 10/100/1000BASE-T RJ-45, including PoE+ and UPOE variants	**Maximum multigigabit ports**	240 ports of 5G multigigabit and 240 ports of 10G multigigabit
Maximum fiber ports	240 ports of 1G SFP and 240 ports of 10G SFP+	**Maximum 802.3bt Type 4 ports**	240 ports at 90W
Maximum 25G ports	108 ports of SFP28, requires C9400X-SUP-2 or C9400X-SUP-2XL	**Maximum 40G and 100G ports**	60 ports of QSFP+ and 20 ports of QSFP28, both requiring C9400X-SUP-2 or C9400X-SUP-2XL
Integrated PoE	Yes	**PoE standards**	IEEE 802.3af, IEEE 802.3at and the Cisco pre-standard power implementation
PoE power budget per line-card slot	4320W with current shipping line cards	**Maximum PoE capability per slot**	Approximately 4800W chassis capability
Power supply bays	8	**Power supply configuration**	C9400-PWR-3200ACT and C9400-PWR-3200AC 3200W AC, C9400-PWR-2100AC 2100W AC, C9400-PWR-3200DC 3200W DC, ordered as separate line items
Power supply modes	Redundant N+N, redundant N+1 and combined mode, with AC or DC supplies in every mode	**Combined mode formula**	Total combined mode power equals P plus (N-1) x P x share ratio, where P is the output of one supply unit
AC input voltage	100 to 240 VAC with plus or minus 10 percent for full range	**DC input voltage**	-48 to -60 VDC with +20/-16.6 percent for full range
3200W AC supply rated input	16A at 100 VAC and 16A at 200 VAC	**2100W AC supply rated input**	10.4A at 100 VAC and 10.4A at 200 VAC

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3200W DC supply rated input	36A per input, 72A total	**Supply data output**	3.3V at 3.0A on all three supplies, with 55V rails at 58.0A on the 3200W units and 38.21A on the 2100W unit at 230VAC
Heat dissipation	950 BTU/hr per 3200W AC or DC supply and 460 BTU/hr per 2100W AC supply	**Holdup time**	20 ms on the AC supplies and 8 ms on the DC supply
Power supply serviceability	Hot swappable, with per-unit Output Fail red LED, Input Okay green LED and blue ID LED	**Power supply MTBF**	300,000 hours on the 3200W AC, 2100W AC and 3200W DC units
Power supply minimum software	Cisco IOS XE 16.6.1 for the 3200W AC unit, 16.8.1 for the 2100W AC unit and 16.9.1 for the 3200W DC unit	**Fan tray**	One fan-tray bay with the C9407-FAN dual serviceable fan tray
Dimensions (H x W x D)	17.41 x 17.30 x 16.30 in. (44.22 x 43.94 x 41.40 cm)	**Rack units**	10 RU
Chassis weight	63.0 lb (28.58 kg) with fan tray	**Mounting**	19-in rack compatible from the front, with 19-in rack and cable guide hardware included
Operating temperature	23 to 113 degrees F (-5 to +45 degrees C) up to 6,000 feet and 23 to 104 degrees F (-5 to +40 degrees C) up to 10,000 feet, with 0 degrees C minimum ambient for cold startup	**Short-term exceptional conditions**	23 to 131 degrees F (-5 to +55 degrees C) up to 6,000 feet and 23 to 122 degrees F (-5 to +50 degrees C) up to 10,000 feet
Storage temperature	-40 to 158 degrees F (-40 to 70 degrees C)	**Relative humidity**	10 to 95 percent, noncondensing
Operating altitude	-60 to 3000m	**Asset tracking**	Embedded RFID tags on the chassis, supervisor, line cards, power supplies and fan trays
Minimum software release	Cisco IOS XE 16.6.1 with C9400-SUP-1, 16.6.2 with C9400-SUP-1XL, 16.9.1 with C9400-SUP-1XL-Y, and 17.7.1 with C9400X-SUP-2 or C9400X-SUP-2XL	**Rated MTBF**	1,571,010 hours
Safety certifications	UL 60950-1, CAN/CSA-C222.2 No. 60950-1, EN 60950-1, IEC 60950-1, AS/NZS 60950.1 and IEEE 802.3, with CE Marking	**EMC certifications**	47 CFR Part 15, CISPR22 Class A, KN 32 Class A, EN 300 386 V1.6.1, EN 55022 Class A, EN 55032 Class A, CISPR 32 Class A, EN61000-3-2, EN61000-3-3, ICES-003 Class A, TCVN 7189 Class A, V-3 Class A, CNS13438 Class A, CISPR24, EN55024, TCVN 7317 and KN35
Industry environmental standards	NEBS operating temperature -5 to 55C, relative humidity 10 to 93 percent, operating altitude up to 1829 m (6000 ft) at 55C, and ETSI 300-019 requirements	**Chassis accessory part numbers**	C9407-FAN=, C9407-ACC-KIT=, C9407-RACK-19-KIT=, C9407-SHELF-KIT=, C9400-S-BLANK= and C9400-PWR-BLANK=

Optional Add-ons

Add-on	Cisco PID	Purpose
Network Module	**C9400-LC-48H**	48x 10/100/1000 RJ-45 UPOE+ Ports - 90W Per Port - Catalyst 9400 Line Card
Network Module	**C9400-LC-48P**	48x1G RJ-45 - PoE+ 30W - Catalyst 9400 Line Card
Network Module	**C9400-LC-48T**	48x1G RJ-45 - Data Only - Catalyst 9400 Line Card

Network Module	C9400-LC-48U	48x1G RJ-45 - Cisco UPOE 60W - Catalyst 9400 Line Card
Network Module	C9400-LC-12QC	12x 40G QSFP+ or 4x 100G QSFP28 Ports - Supervisor 2 Required - Cat
Network Module	C9400-LC-24XS	24x 10G SFP+ or 1G SFP Ports - All Supervisors - Catalyst 9400 Line
Network Module	C9400-LC-24XY	20x 25G SFP28 + 4x 10G SFP+ Ports - Supervisor 2 Required - Cat
Network Module	C9400-LC-48S	48x 1G SFP Fiber Ports - Nonblocking - Catalyst 9400 Line Card
Power Supply / Fan	C9400-PWR-3200AC	3200W AC PSU - Catalyst 9400 - Platinum
Power Supply / Fan	C9400-PWR-2100AC	2100W AC PSU - Catalyst 9400 - Platinum Rated
Power Supply / Fan	C9400-PWR-3200DC	3200W DC Power Supply - Catalyst 9400

Get Price and Availability for C9407R

New, factory-sealed units with a 3-year warranty. Our sales team quotes within one business day, and in-stock orders ship within one business day of payment from our Hong Kong and US warehouses.

Request a Quote

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