

CISCO · CATALYST 9400 SWITCHES

C9400-SUP-1

Supervisor 1 Engine · 80 Gbps Per Slot · 8x10G/2x40G Uplinks · Catalyst 9400

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



Product Model	C9400-SUP-1
Category	Catalyst 9400 Switches
Condition	New, factory-sealed
Warranty	3-year LSCare warranty
Supplier	Layer23-Switch · www.layer23-switch.com



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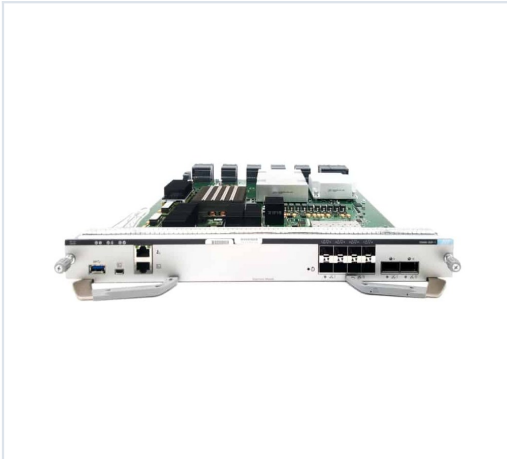
Customers Worldwide

US\$9M+

Ready-Stock Inventory

3-Year

Warranty



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The C9400-SUP-1 is a Cisco Catalyst 9400 Series Supervisor 1 engine for access-layer C9404R, C9407R and C9410R chassis. The engine feeds each line-card slot at 80 Gbps on all three chassis, carries up to 1.44 Tbps of centralized wired capacity and runs either eight 10G SFP+ or two 40G QSFP uplinks at once.

New, factory-sealed · [3-year LSCare warranty](#) · [14-day returns](#) · [Cisco SN check before shipment](#)

Specifications

Product ID	C9400-SUP-1	Cisco ordering description	Cisco Catalyst 9400 Series Supervisor 1 Module
Spare PID	C9400-SUP-1=	Redundant supervisor PID	C9400-SUP-1/2
Designed for	Access layer	Supported chassis	C9404R, C9407R, C9410R
C9404R supervisor slots	Slots 2 and 3	C9407R supervisor slots	Slots 3 and 4
C9410R supervisor slots	Slots 5 and 6	ASIC	UADP 2.0
CPU	Intel 2.4-GHz x86	10G uplink ports	Up to 8 x 10G SFP+ (ports 1-8), non-blocking
40G uplink ports	Up to 2 x 40G QSFP (ports 9-10), non-blocking	Single-supervisor uplink modes	8 x 10G; 2 x 40G; or 4 x 10G plus 1 x 40G
Dual-supervisor uplink modes	4 x 10G on each supervisor; 1 x 40G on each supervisor; or 1 x 40G active with 4 x 10G standby	Centralized wired capacity	Up to 1.44 Tbps
Per-slot switching capacity	80 Gbps on C9404R, C9407R and C9410R	Forwarding rate	900 Mpps IPv4; 782.6 Mpps IPv6 at 95 bytes
Total MAC addresses	Up to 64,000	Total IPv4 routes (ARP + learned)	Up to 112,000 (host and LPM routes)
IPv6 routes	Up to 56,000	Multicast routes	Up to 16,000
IGMP/MLD snooping entries	Up to 16,000 / 8,000	QoS hardware entries	Up to 18,000
Security ACL hardware entries	Up to 18,000	FNF entries (v4/v6)	384,000 / 192,000
VLAN IDs	4096	PVST instances	300 on Cisco IOS XE 17.1.1 or later; 256 on 16.12 and earlier
STP virtual ports (PVST)	13,000	STP virtual ports (MST)	13,000
Total SVIs	1,000	Jumbo frames	9216 bytes
DRAM	16 GB	Flash	10 GB

Packet buffer	96 MB	SSD capacity	Up to 960 GB M.2 SATA (C9400-SSD-240GB, C9400-SSD-480GB, C9400-SSD-960GB)
Flexible ASIC templates	Access, Core, SD-Access, NAT	Supported line cards	C9400-LC-48U, C9400-LC-48T, C9400-LC-48UX, C9400-LC-24XS, C9400-LC-48P, C9400-LC-24S, C9400-LC-48S, C9400-LC-48H, C9400-LC-48HN
Maximum 1G SFP ports per system	Up to 392	Maximum 10G SFP+ ports per system	Up to 392 (8 uplinks plus 384 line-card ports)
Minimum software, C9404R	Cisco IOS XE 16.9.1	Minimum software, C9407R	Cisco IOS XE 16.6.1
Minimum software, C9410R	Cisco IOS XE 16.6.1	Supervisor redundancy	1+1 on C9404R, C9407R and C9410R
NSF/SSO	Standby supervisor takes over in under a second with forwarding maintained	ISSU	Full image upgrade or downgrade with 200 msec or less of disruption on dual-supervisor systems
Dimensions (H x W x D)	1.6 x 14.92 x 14.57 in. (4.06 x 37.90 x 37.00 cm)	Weight	4.5 kg (10 lb)
Operating temperature	-5°C to 45°C (23°F to 113°F) up to 6000 ft (1800 m); -5°C to 40°C (23°F to 104°F) up to 10,000 ft (3000 m); minimum cold-start ambient 0°C	Storage temperature	-40°C to 70°C (-40°F to 158°F)
Operating humidity	10 to 95 percent, noncondensing	Operating altitude	-60 to 3000 m
MTBF	253,010 hours		

Get Price and Availability for C9400-SUP-1

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.

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