

CISCO · CATALYST 9400 SWITCHES

C9400-SUP-1XL-Y

2x 25G Uplinks · 240/120/80 Gbps Per Slot · Catalyst 9400 Supervisor Engine

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



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



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The C9400-SUP-1XL-Y is a Cisco Catalyst 9400 Series Supervisor 1XL with 25G module for C9404R, C9407R and C9410R chassis in campus core and aggregation roles. The module adds up to 2 non-blocking 25GE uplinks to the 40GE QSFP and 10GE SFP+ options, with 1.44 Tbps of centralized wired capacity and 240, 120 or 80 Gbps per slot in a C9404R, C9407R or C9410R.

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

Specifications

Product ID	C9400-SUP-1XL-Y	Cisco ordering description	Cisco Catalyst 9400 Series Supervisor 1XL with 25G Module, spare part number C9400-SUP-1XL-Y=, redundant supervisor PID C9400-SUP-1XL-Y/2
ASIC	Cisco Unified Access Data Plane 2.0	CPU	Intel 2.4-GHz x86
SSD storage	Up to 960 GB SATA SSD local storage for container-based application hosting	Bandwidth per line-card slot	240 Gbps on C9404R, 120 Gbps on C9407R and 80 Gbps on C9410R
Centralized wired capacity	Up to 1.44 Tbps	Forwarding rate	900 Mpps for IPv4 and 782.6 Mpps for IPv6 at 95 bytes
Uplink ports	Up to 2 non-blocking 25 Gigabit Ethernet, up to 2 non-blocking 40 Gigabit Ethernet QSFP and up to 8 non-blocking 10 Gigabit Ethernet SFP+	Single-supervisor uplink combinations	2x 25GE active on ports 1 and 5, 4x 10GE plus 1x 25GE, 1x 25GE plus 1x 40GE, 8x 10GE, 2x 40GE, or 4x 10GE plus 1x 40GE
Hardware limitations	MACsec is currently not supported in hardware on this engine, and LRM optics are currently not supported	Advanced services	MPLS, software-defined access control and border capabilities including a host-tracking database, cross-domain connectivity and VRF-aware LISP, and flexible ASIC templates
Flexible ASIC templates	Access for MAC addressing and security, Core for unicast and multicast routing, SD-Access for fabric deployment, and NAT for Layer 3 and NAT in collapsed core WAN deployments	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 and C9400-LC-48HN
Unsupported line cards	C9400-LC-48HX, C9400-LC-48XS, C9400-LC-24XY, C9400-LC-12QC and C9400-LC-48TX	MAC addresses	Up to 64,000, depending on the SDM template
IPv4 routes	Up to 144,000	IPv6 routes	Up to 56,000
Multicast routes	Up to 32,000	IGMP/MLD snooping entries	16,000/8,000
QoS entries	Up to 18,000	ACL entries	18,000
DRAM	16 GB	Flash	10 GB
Packet buffer	96 MB	VLAN IDs	4096
Switched virtual interfaces	1,000	Jumbo frames	9216 bytes

High availability	1+1 supervisor redundancy with NSF/SSO for continuous forwarding during switchover and ISSU under 200 msec on dual engines	Supervisor slot positions	Slots 2 or 3 on C9404R, slots 3 or 4 on C9407R and slots 5 or 6 on C9410R, with line cards not supported in those slots
Compatible chassis	C9404R, C9407R and C9410R, providing 2, 5 and 8 line-card slots respectively	Minimum software release	Cisco IOS XE 16.9.1 on all three chassis
MTBF	237,670 hours	Dimensions (H x W x D)	1.7 x 15.0 x 13.41 in. (4.32 x 38.1 x 34.06 cm) to the faceplate and 1.7 x 15.0 x 15.7 in. (4.32 x 38.1 x 39.88 cm) to the ejector
Weight	4.5 kg (10 lb)	Rack units	1 RU
Operating temperature	-5 to +45°C up to 6,000 feet and -5 to +40°C up to 10,000 feet	Storage temperature	-40 to 70°C
Operating humidity	10 to 95 percent, noncondensing	Operating altitude	-60 to 3,000 m
SSD options	C9400-SSD-240GB, C9400-SSD-480GB and C9400-SSD-960GB M2 SATA memory	Management interfaces	Bluetooth dongle support as a wireless management interface and an embedded WebUI in the default image with no additional license
Optics support reference	Supported optical modules and their minimum software releases are published in the Cisco transceiver module device support tables rather than in the supervisor engine data sheet		

Get Price and Availability for C9400-SUP-1XL-Y

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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