



C9400-SUP-1XL-Y DataSheet

C9400-SUP-1XL-Y: Up to 240 G/slot, 90 W UPOE+, 8×10 G or 2×40 G uplinks, MACsec-256—powerful supervisor for high-PoE smart-building and campus aggregation.



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C9400-SUP-1XL-Y Description



C9400-SUP-1XL-Y elevates the Catalyst 9400 platform with up to 240 Gbps per slot in a 4-slot chassis, plus on-board 8×10 G SFP+ or 2×40 G QSFP+ uplinks—software-selectable. The “-Y” variant enables up to 90 W per port when paired with Cisco UPOE+ line-cards. Built on Cisco’s programmable UADP 2.0 ASIC, it delivers wire-rate MACsec-256 on every access port, flexible SDM templates, and supports on-box analytics with optional NVMe SSD. Ideal for high-power PoE deployments in smart buildings and secure campus aggregation. Keywords: C9400 SUP 1XL-Y, Catalyst 9400 90W supervisor, C9400-SUP-1XL-Y.

Model Meaning

Chunk	Meaning	Comment
C	Cisco	Vendor prefix
9400	Catalyst 9400 Series chassis	Modular campus switch family
SUP	Supervisor engine	Control plane & fabric module
1XL	Gen-1 “eXtra Large” fabric tier	Up to 240 Gbps/slot in C9404R (120/80 G in larger)
-Y	High-power PoE supervisor	Supports up to 90 W per port via UPOE+ line-cards

Model Comparison

Parameter	C9400-SUP-1	C9400-SUP-1XL	C9400-SUP-1XL-Y
Per-slot switching Capacity	80 Gbps	240 Gbps	240 Gbps
Uplink modes	8×10 G / 2×40 G	8×10 G / 2×40 G	8×10 G / 2×40 G
Hardware MACsec	✓	✓	✓
Table scale (IPv4)	112 k	144 k	144 k
Resiliency	SSO/NSF, ISSU	SSO/NSF, ISSU	SSO/NSF, ISSU

Specification

Parameter	Specification
Product ID	C9400-SUP-1XL-Y — Supervisor Engine 1XL-Y
ASIC	Cisco UADP 2.0 programmable pipeline
CPU	Intel x86 @ 2.4 GHz (8 threads)
DRAM	16 GB DDR4 ECC
Flash	10 GB eMMC
SSD Bay	NVMe 240 / 480 / 960 GB (optional)
Per-slot switching Capacity	240 Gbps (C9404R); 120 Gbps (C9407R); 80 Gbps (C9410R)
Centralized wired capacity	1.44 Tbps full-duplex
Uplink personalities	8 × 10 G SFP+ or 2 × 40 G QSFP+ (software-selectable)
MACsec-256	Yes — every port
PoE Type	UPOE+ up to 90 W per port
Table scale	144 k IPv4 / 72 k IPv6 / 128 k MAC entries
Resiliency	SSO / NSF; ISSU
Telemetry & APIs	gRPC MD-T, NETCONF/RESTCONF, on-box Python
Dimensions (H×W×D)	1.7 × 14 × 14 in (4.3 × 35.6 × 35.6 cm)
Weight	~10 lb / 4.5 kg
Max Power Draw	400 W (active / standby)
Operating Temp	0 – 40 °C, non-condensing

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