



Cisco

C9404R-48U-BNDL-E

Datasheet



Product Overview

- Cisco Catalyst 9400 Series switches are a leading modular enterprise switching platform for secure, future-ready networks.
- Designed for organizations embracing hybrid work, IoT, and cloud transformation, this switch supports campuses, branches, and medium to large enterprises.
- Featuring flexible modular design, the platform delivers up to 9 Tbps bandwidth, supports high-density PoE (60W/90W), and scales to 384 access ports.
- Advanced capabilities like StackWise Virtual, hot-swappable modules, and N+1/N+N redundancy guarantee always-on service.
- Unified management, SD-Access, and simplified deployments let teams handle wired and wireless operations with ease.
- Ideal for global companies seeking secure, scalable, and virtualized networking in dynamic business environments.

Product Highlights

- **Next-Generation Hardware Acceleration:** Cisco UADP 3.0sec and 2.0 ASICs deliver programmable data processing, enhanced ACL, and QoS in all deployment sizes.
- **Flexible Uplink Options:** Choose from non-blocking 100/40G, 25/10G, or 10G/5G multigig uplinks, supporting diverse core and edge requirements.
- **Simultaneous Full PoE Delivery:** Up to 384 ports with Cisco UPOE+/UPOE/PoE+, providing power and data for IoT, APs, and IP phones.
- **Advanced Software Features:** Supports open Cisco IOS XE, Python scripting, network visualization, dual-stack IPv4/IPv6, and policy automation.

Detailed Features



C9404R-48U-BNDL-E

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Component	Specification
Total Access Ports	96 x 1G/10G with UPOE
High-Speed Ports	48 x 10G
Supervisor Engine Slots	2
Max UPOE Power Delivery	Up to 4800W



Enterprise Modular Architecture

Cisco Catalyst 9400 Series adopts a modular chassis-based design that supports the scaling needs of large networks. Its architecture enables hot-swappable supervisor engines and line cards, offering investment protection for future upgrades without major downtime.

High-Density Multi-Gigabit Access

The switch provides up to 384 multi-gigabit copper ports or fiber ports, accommodating both legacy and new devices. With 10G, 5G, 2.5G copper, and 1G/10G/25G SFP options, it enables flexible deployment across diverse wired infrastructure.

Robust Power over Ethernet (UPOE+)

Designed for dense IoT and device deployments, the C9404R-48U-BNDL-E delivers PoE+ (30W), UPOE (60W), and UPOE+ (90W) on all access ports simultaneously. This ensures seamless support for power-hungry endpoints and next-gen devices.

Advanced Hardware-Assisted Performance

At its core is the Cisco Unified Access Data Plane (UADP) ASIC, providing wire-rate Layer 2/3 forwarding, hardware-based Flexible NetFlow, and optimized dynamic ACLs, ensuring consistent low-latency performance even for complex policy sets.

Redundancy and High Availability

Dual supervisor engine support, redundant uplinks, and N+1/N+N hot-swappable power supplies ensure high availability. ISSU and virtual StackWise technology enable non-disruptive upgrades and recovery for mission-critical operations.

Comprehensive Security Platform

Integrated hardware-based security supports dynamic segmentation, group-based policies, and full IPv6/IPv4 access controls. Contextual analytics and SD-Access integration provide advanced threat protection from edge to cloud.

Programmable and Cloud-Ready OS

With open Cisco IOS XE, teams benefit from on-box Python scripting, model-driven automation, streaming telemetry, and secure application container hosting, accelerating digital and cloud initiatives.

Simplified Centralized Management

Unified campus control is achieved via Cisco DNA Center and SD-Access, providing policy-driven automation, end-to-end telemetry, and full visibility for both wired and wireless segments, streamlining operations at scale.

Technical Specifications

Product Specifications

Feature	Value
Product Description	Catalyst 9400 Series 4 slot, Sup, 1xC9400-LC-48U, DNA-E LIC
Dimensions (H x W x D)	1.73 x 17.5 x 17.7 inches
Rack Units (RU)	6RU
Total number of slots	4
Line-card slots	2
Supervisor engine slots	2 (slots 2 and 3 reserved)
Supervisor engine redundancy	Yes
Supervisor engines supported	C9400-SUP-1, C9400-SUP-1XL, C9400-SUP-1XL-Y
Maximum PoE per slot	4320W (up to 4800W)
Maximum Bandwidth per line-card slot	Up to 480 Gbps
Number of power supply bays	4
AC input power	Yes



Feature	Value
Integrated PoE	Yes
Power supplies supported	3200W AC, 2100W AC, 3200W DC
Number of fan-tray bays	1
Location of 19-inch rack-mount	Front
10/100/1000BASE-T Gigabit ports	96
10/100/1000BASE-T Gigabit Ethernet with POE+ ports	96
Switched 10/100/1000BASE-T Gigabit Ethernet with UPOE ports	96
Switched 10 Gigabit Ethernet ports	48
Cisco Multigigabit Ethernet ports (with UPOE)	48
Switched 1 Gigabit Ethernet ports	96
802.3 BT Type 4 (90W) Ports	96
Operating temperature	-5°C to 45°C (up to 1800m), -5°C to 40°C (up to 3000m)
Short-term temperature	-5°C to 55°C (up to 1800m), -5°C to 50°C (up to 3000m)
Storage temperature	-40°C to 70°C
Relative humidity	10-95% non-condensing
Operating altitude	-60 to 3000m
Regulatory compliance	CE Marking
Safety Standards	UL 60950-1, CAN/CSA-C222.2 No. 60950-1, EN 60950-1, IEC 60950-1, AS/NZS 60950.1, IEEE 802.3
EMC Standards	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
Industry Standards	NEBS: Operating temperature: -5 to 55C, Relative Humidity: 10-93%, Operating Altitude: up to 1829 m (6000 ft) at 55C, ETSI 300-019 Requirements
ROHS compliance	ROHS5
Rated MTBF (Hours)	2,077,070



Product Comparison

Feature	C9404R-48U-BNDL-E	C9300-48U-E	C1-C6840-X-LE-40G
Total Access Ports	96 x 1G/10G with UPOE, 48 x 10G	48 x 1G/10G with UPOE	40 x 1G/10G, Up to 6 x 40G
Chassis/ Fixed	Modular (4 slots)	Fixed	Modular
High-Speed Uplink	4 x 100G/40G QSFP; 4 x 25G/10G SFP+	4 x 10G SFP+	Up to 6 x 40G QSFP+
Supervisor Engine Redundancy	Supported	Not supported	Supported
PoE Maximum Power	Up to 4800W	Up to 1440W	Up to 3600W
Stack/Virtual Technology	StackWise Virtual, ISSU, SSO/NSF	StackWise-480	Virtual Switch System
Management	Cisco DNA, SD-Access, Unified (wired/wireless)	Cisco DNA, Web UI, CLI	Classic IOS XE, Flexible Management

Accessories

Category	Accessories
Included Accessories	- Power Adapter - Rack Mount Kit - Console Cable
Optional Accessories	- Additional Line Card - SFP+/QSFP Module - Redundant Power Supply



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References

[1] Cisco. (2023). Cisco Catalyst 9400 Series Switches Data Sheet. Retrieved from <https://www.cisco.com/c/en/us/products/collateral/switches/catalyst-9400-series-switches/nb-06-cat9400-ser-data-sheet-cte-en.html>