

Cisco

C1-C4507RE+96V+

Datasheet



Product Overview

- The Cisco Catalyst 4500 Series delivers scalable switching, reinforcing Cisco’s commitment to high-performance enterprise networks.
- Ideal for distributed enterprises, educational institutions, and large branch offices demanding secure and mobile-ready infrastructure.
- Key features include 96 PoE-capable Gigabit ports, 10 GE uplinks, and a centralized forwarding architecture for dependable application delivery.
- Advanced security, mobility, and application-aware performance distinguish the platform, with support for PoE+ and Universal PoE (UPOE).
- Deployment is simplified with multi-generational backward compatibility and resilient hardware, minimizing network downtime and operational disruption.
- The C1-C4507RE+96V+ supports future-oriented networking needs, offering flexibility, efficiency, and investment protection in dynamic business scenarios.

Product Highlights

- **Borderless Performance:** High performance and secure connectivity for modern enterprise networks, delivering consistent access and scalability.
- **Centralized Architecture:** Simplifies operations and management, enabling effective collaboration and virtualization across platforms.
- **Flexible Deployment:** Four chassis form factors accommodate varied enterprise requirements and environments.
- **Integrated Resiliency:** Hardware and software redundancy minimize downtime to keep mission-critical operations running smoothly.

Detailed Features



C1-C4507RE+96V+

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Component	Specification
Enclosure Type	Rack-mountable 11U
Ports	96 x 10/100/1000 (PoE) + 2 x Gigabit SFP + 2 x combo SFP/SFP+



Intelligent Network Services

The Cisco Catalyst 4500E extends advanced services such as QoS, robust security, and high-performance management to the network edge. It intelligently adapts, delivering consistent performance and a protected IT environment.

High Feature Capacity

Dedicated TCAM resources support up to 384,000 entries. This enables true wire-speed routing and switching, maintaining stable throughput regardless of active services or security policies.

Scalable Modular Platform

Supporting up to 388 ports, the modular 4500E chassis gives users maximum expansion flexibility and investment efficiency for evolving infrastructures.

Supervisor Redundancy

Redundant 1+1 supervisor engines in R+E chassis enable subsecond failover and full-image In-Service Software Upgrades (ISSUs), providing high availability for collaboration apps and voice systems.

Nonstop Operations

With NSF/SSO and ISSU, the 4500E ensures uninterrupted packet forwarding even during supervisor engine switches, supporting demanding uptime requirements without traffic loss.

Enhanced Security and Management

Comprehensive network management tools and hardware security features work together to secure the environment, allow detailed policy control, and enable easy oversight for IT admins.

Compatibility and Migration Support

Maintaining compatibility with Cisco Catalyst 4000 line cards, the series eases migration paths while protecting user investments in hardware and operations.

Enterprise-Grade Resiliency

Redundant fans, software-based fault tolerance, and dual power supply support reduce maintenance windows and help ensure network reliability for mission-critical processes.

Technical Specifications

Product Specifications

Feature	Value
Device Type	Switch - 96 ports - managed - with Cisco Catalyst 4500 Supervisor Engine 7L-E, 2x Cisco Line Cards (WS-X4648-RJ45V+E)
Enclosure Type	Rack-mountable 11U
Subtype	Gigabit Ethernet
Ports	96 x 10/100/1000 (PoE) + 2 x Gigabit SFP + 2 x combo SFP/SFP+
Power Over Ethernet (PoE)	PoE+
Switching capacity	520 Gbps
Per-slot switching capacity	48 Gbps
IPv6 routing	110 Mbps
IPv4 routing	225 Mbps
QoS hardware entries	64000
Security services entries	64000
Virtual interfaces (VLANs)	4094
IPv4 routes	64000



Feature	Value
IPv6 routes	32000
Spanning Tree Protocol instances	12000
Switched virtual interfaces (SVIs)	4094
NetFlow entries	128000
ARP entries	47000
MAC Address Table Size	55K entries
Jumbo Frame Support	9216 bytes
Routing Protocol	PIM-SSM
Remote Management Protocol	RMON 1, RMON 2
Features	Flow control, modular design, layer 2 switching, power over Ethernet (PoE), IPv6 support, half duplex mode, full duplex mode, Spanning Tree Protocol (STP) support, Quality of Service (QoS), Jumbo Frames support, MLD snooping, PoE+, IPv4 support, Link Aggregation Control Protocol (LACP), NetFlow, universal power over Ethernet (UPOE)
Compliant Standards	IEEE 802.3, IEEE 802.1D, IEEE 802.1Q, IEEE 802.1p, IEEE 802.3af, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.1x, IEEE 802.3ae, IEEE 802.1s, IEEE 802.3at, IEEE 802.3az
Processor	1: 1.5 GHz
RAM	2 GB SDRAM
Flash Memory	1 GB
Status Indicators	Port status, power, link OK, status of modules, link/activity
Expansion / Connectivity Interfaces	96 x 1000Base-T RJ-45 PoE; 1 x 1000Base-T RJ-45 management; 1 x console RJ-45 management; 1 x USB Type A; 2 x SFP; 2 x SFP+
Expansion Slots	7 (total) / 4 (free) x expansion slot; 1 (total) / 1 (free) x SD Memory Card
Installed Modules Qty (Max)	3 (installed) / 7 (max)
Power Device	Internal power supply - hot-plug
Installed Qty	0 (installed) / 2 (max)
Power Redundancy	Optional
Power Redundancy Scheme	1+1 (with optional power supply)
Rack Mounting Kit	Included
MTBF	248,630 hours



Feature	Value
Compliant Standards	NEBS level 3, FCC Class A certified, CISPR 22 Class A, EN 60950, EN 61000-3-2, EN55022, IEC 60950, EN 61000-3-3, EN55024, EN55022 Class A, UL 60950, EN50082-1, CSA 22.2 No. 60950, EN 61000-6-1, ACA TS001, AS/NZS 3260, FCC Part 68, AS/NZ 3548 Class A, JATE, ICES-003 Class A, CS-03, FCC CFR47 Part 15, VCCI Class A
Software Included	Cisco IOS LAN Base
Dimensions (W × D × H)	Width 17.3 in Depth 12.5 in Height 19.2 in
Min Operating Temperature	32 °F
Max Operating Temperature	104 °F
Humidity Range Operating	10 - 90% (non-condensing)
Min Storage Temperature	-40 °F
Max Storage Temperature	167 °F

Product Comparison

Feature	C1-C4507RE+96V+	C1-C4503-E	C1-C2960X-48FPD-L
Fixed Ports	96 x 10/100/1000 (PoE) + 2 x SFP + 2 x combo SFP/ SFP+	24/48 x 10/100/1000 (PoE) (chassis dependent)	48 x 10/100/1000 (PoE+) + 2 x 10G SFP+ + 2 x 1G SFP
Switching Capacity	520 Gbps	48 Gbps per slot	216 Gbps
PoE Support	PoE+ / UPOE	PoE+/UPOE (module dependent)	PoE+
Chassis Slots	7 (4 free)	3 (1 free) / 6 (2 free)	Fixed (standalone)
Resiliency	1+1 redundant supervisor, redundant PS/fans	Redundant supervisor (chassis dependent)	External RPS, hot-swappable PS
Management	Cisco IOS, RMON, NetFlow	Cisco IOS, SNMP, RMON	Cisco IOS, SNMP, Web UI
Layer 3 Routing	Yes (IPv4/IPv6)	Yes (module dependent)	Yes (IPv4/IPv6)
Stacking	Modular (virtual), no native stack	Modular	StackWise (with compatible SKUs)
Application Scenario	Large campus core/ distribution	Branch/edge modular	Small-medium access/core



Accessories

Category	Accessories
Included Accessories	- Power Cords - Mounting Kit - Console Cable
Optional Accessories	- SFP/SFP+ Transceiver - Additional Supervisor Engine - Redundant Power Supply



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References

[1] Cisco. (2023). Cisco Catalyst 4500 Series Switches Data Sheet. Retrieved from https://www.cisco.com/c/en/us/products/collateral/switches/catalyst-4500-series-switches/product_data_sheet0900aecd801792b1.html