C9300L-24P-4X-E DataSheet

Cisco C9300L-24P-4X-E: 24-Port PoE+ switch with 4×10G SFP+ uplinks, StackWise-320 stacking, 505W PoE, ideal for secure enterprise access and digital building deployments.

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C9300L-24P-4X-E Description

Cisco Catalyst C9300L-24P-4X switch is a stackable enterprise-class access switch designed for next-generation wired connectivity. Featuring 24 PoE+ ports and four integrated 10G SFP+ uplinks, the C9300L-24P-4X provides high-density power and performance for modern networks. This model is built for secure campus and branch deployments, supporting StackWise-320 technology with up to 8 switches and 320 Gbps stacking bandwidth. With a robust 505W default PoE budget and field-replaceable power supply and fans, this Catalyst 9300L switch enables scalable, resilient network access for IP phones, wireless APs, and IoT devices. Ideal for digital building and enterprise deployments, the C9300L-24P-4X combines industry-leading security, automation, and cloud readiness for your critical infrastructure needs

Quick Specs

Parameter	Specification
Ports	24 x 10/100/1000BASE-T PoE+
Uplink	4 x 10G SFP+ (fixed uplinks)
PoE Power Budget	505W (default 715W AC power supply)
Stacking	StackWise-320, up to 8 units, 320 Gbps
Switching Capacity	128 Gbps (Standalone) / 448 Gbps (Stacked)

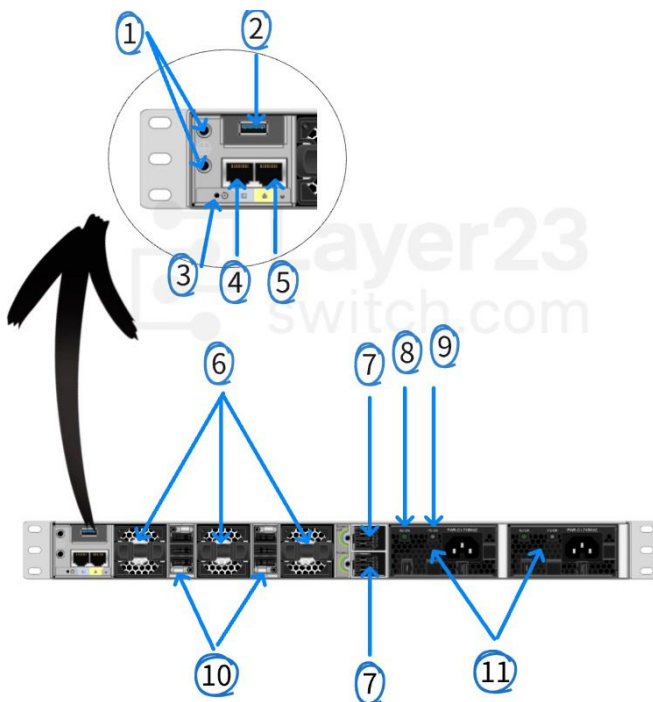|	
Forwarding Rate	95.23 Mpps (Standalone) / 333.33 Mpps (Stacked)
Power Supply	1 x PWR-C1-715WAC-P (default, field-replaceable)
Fan	3 field-replaceable fans
Dimensions (H×W×D, inch)	1.73 × 17.5 × 17.7 (with default PSU)
Weight	14.99 lbs (6.81 kg, with PSU)
Mean Time Between Failures	340,710 hours

Key Features

Product Comparison

Parameter	C9300L-24P-4X-E	C9300L-24P-4G-E	C9300L-24T-4X-E
Switching capacity	128 Gbps (448 Gbps stacked)	56 Gbps (376 Gbps stacked)	128 Gbps (448 Gbps stacked)
Forwarding rate	95.23 Mpps (333.33 Mpps)	41.66 Mpps (279.76 Mpps)	95.23 Mpps (333.33 Mpps)
Downlink interfaces	24 × 1 Gb PoE+ (30 W/port)	24 × 1 Gb PoE+ (30 W/port)	24 × 1 Gb data only
Uplink ports	4 × 10 G/1 G SFP+	4 × 1 G SFP	4 × 10 G/1 G SFP+
Packet buffer size	16 MB	16 MB	16 MB
PoE budget	445 W	445 W	N/A
Software license	Network Essentials (–E)	Network Essentials (–E)	Network Essentials (–E)

Catalyst 9300 Switch Rear Panel

The switch rear panel includes StackWise connectors, StackPower or XPS connectors, ports, fan modules, and power supply modules.
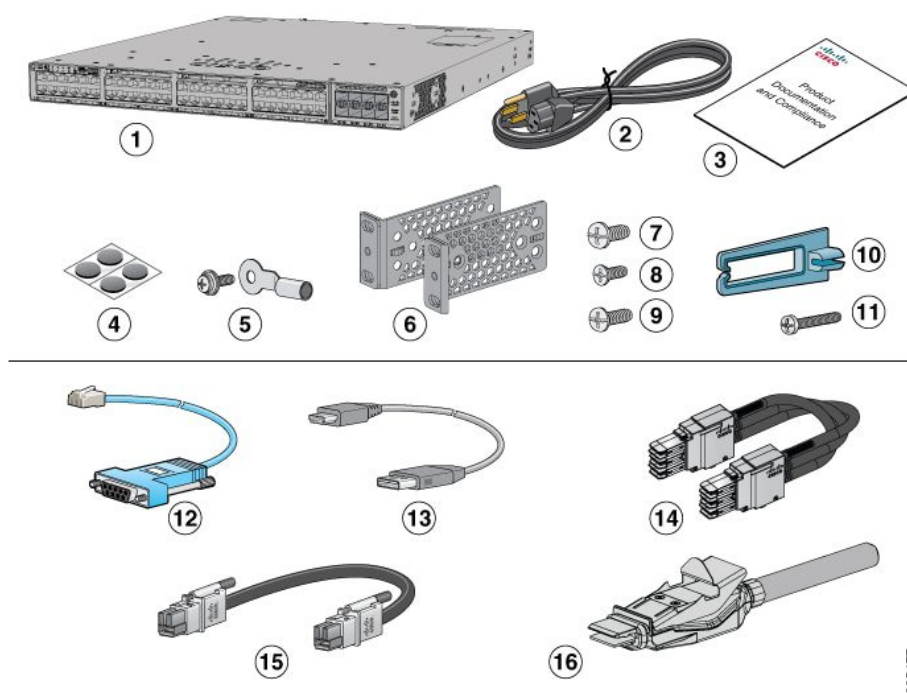
1	Ground connectors	7	StackPower connectors
2	USB3.0–SSD port	8	AC OK (input) status LED
3	BEACON LED	9	PS OK (output) status LED
4	CONSOLE (RJ-45 console port)	10	StackWise-480 port connectors
5	MGMT (RJ-45 10/100/1000 management port)	11	Power supply modules
6	Fan modules	–	–

Components Delivered in the Shipping Box

The shipping box contains the model of the switch you ordered and other components needed for installation. Some components are optional, depending on your order.

1	Cisco Catalyst 9300 Series switch with optional network module[1] (power supply and fan modules not shown)	9	Eight number-8 Phillips flat-head screws
2	AC power cord	10	Cable guide
3	Product documentation and compliance document	11	M4.0 x 20mm Phillips pan-head screw
4	Four rubber mounting feet	12	(Optional) RJ-45 console cable
5	Ground lug screw and ring terminal	13	(Optional) USB console cable
6	Two 19-inch mounting brackets	14	(Optional) StackWise-480/1T cable (0.5-meter, 1-meter, or 3-meter)
7	Four number-12 pan-head screws	15	(Optional) StackPower cable (0.3-meter or 1.5-meter)
8	Four number-10 pan-head screws	16	(Optional) StackWise-320 cable

Specification

Cisco Catalyst C9300L-24P-4X-E Detailed Specifications	
Model SKU	C9300L-24P-4X-E
Software Image	Network Essentials (–E)
Switching Capacity	128 Gbps (non-blocking)
Forwarding Rate	95.23 Mpps (64-byte IPv4)
Stacking Bandwidth	320 Gbps per switch; 448 Gbps end-to-end
Max Stack Members	8
Downlink Interfaces	24 × RJ-45 1 Gb PoE+ (IEEE 802.3at, 30 W/port)
Uplink Ports	4 × 1/10 Gb SFP+ fixed uplinks
Packet Buffer	16 MB shared buffer
DRAM / Flash	8 GB / 16 GB
IPv4 Routes (total)	16,000
IPv6 Routes (total)	16,000
QoS Entries	5,120
ACL Entries	5,120
VLAN IDs	4,094
Jumbo Frame Size	9,198 bytes
MAC Address Table	32,000 entries
External SSD	Optional USB 3.0 SSD slot (up to 240 GB)
Fans	3 × field-replaceable, N+1 redundant
Default PSU	715 W AC (platinum)
Max PoE Budget	445 W
Dimensions (H × W × D)	1.73 × 17.5 × 16.1 in (4.4 × 44.5 × 40.9 cm)
Weight (with PSU)	14.99 lb / 6.81 kg
Operating Temperature	–5 °C to +45 °C (sea level)
Security Features	Secure Boot, Trust Anchor SUDI, MACsec AES-256
App Hosting	Container support (ThousandEyes, ASA-C)
SD-Access	Group-based policy, on-box automation, fabric segmentation

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