Layer23 switch.com

C9300L-24T-4G-E DataSheet

Cisco C9300L-24T-4G-E—24 × 1 Gb data ports with 4 × 1 Gb SFP uplinks, 56 Gbps fabric, StackWise-320, Network Essentials for flexible branch and campus access.

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C9300L-24T-4G-E Description

The C9300L-24T-4G-E offers 24 1 Gb RJ-45 ports and four built-in 1 Gb SFP uplinks on a 56 Gbps nonblocking fabric. StackWise-320 lets up to eight switches operate as one logical unit with 320 Gbps per switch and sub-50 ms fail-over. Network Essentials delivers Layer 3 static routing, VLAN segmentation, QoS, and DNA Center automation. A single 350 W AC power supply powers all data-only functions; add a second PSU for redundancy. With 8 GB DRAM, 16 GB flash, and an optional USB 3.0 SSD slot, it supports on-box container apps for telemetry and security.

Quick Specs

C9300L-24T-4G-E	Specification
Switching capacity	56 Gbps nonblocking; 376 Gbps (stacked)
Forwarding rate	41.66 Mpps (single); 279.76 Mpps (stacked)
Packet buffer size	16 MB shared buffer
Downlink ports	24 × 10/100/1000 Mb RJ-45 (non-PoE)
Uplink ports	4 × 1 Gb SFP fixed uplinks
Stacking	StackWise-320: 320 Gbps per switch; up to 8 members; < 50 ms fail-over
Default PSU	350 W AC (no PoE)

DRAM / Flash	8 GB / 16 GB
Software license	Network Essentials (–E)

Key Features

Product Comparison

Parameter	C9300L-24T-4G-E	**C9300L-24P-4G-E**	C9300L-24T-4X-E
Switching capacity	56 Gbps (376 Gbps stacked)	56 Gbps (376 Gbps stacked)	128 Gbps (448 Gbps stacked)
Forwarding rate	41.66 Mpps (279.76 Mpps)	41.66 Mpps (279.76 Mpps)	95.23 Mpps (333.33 Mpps)
Packet buffer size	16 MB	16 MB	16 MB
Downlink interfaces	24 × 1 Gb (non-PoE)	24 × 1 Gb PoE+ (30 W)	24 × 1 Gb (non-PoE)
Uplink ports	4 × 1 Gb SFP	4 × 1 Gb SFP	4 × 10 Gb/1 Gb SFP+
Default PSU	350 W AC (no PoE)	715 W AC (445 W PoE)	350 W AC
Software license	Network Essentials (–E)	Network Essentials (–E)	Network Essentials (–E)

C9300L-24T-4G-E 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	–	–
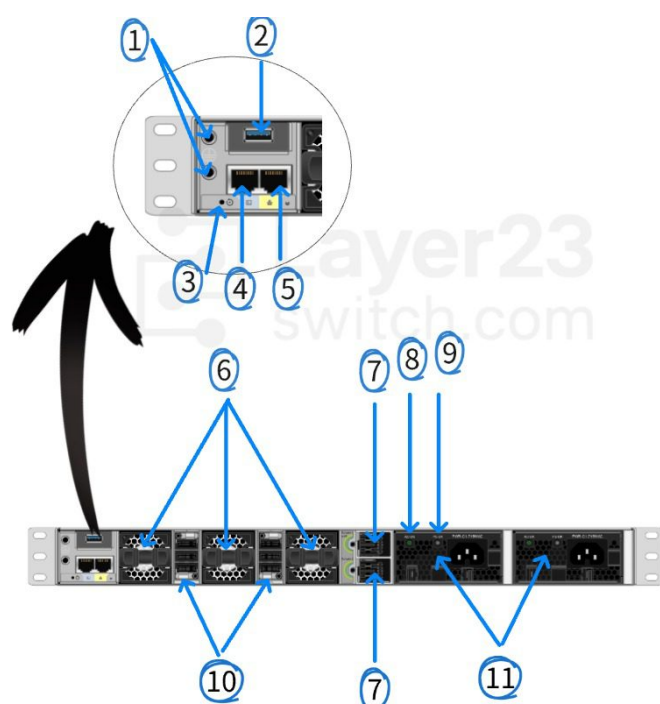
Components Delivered in the Shipping Box

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
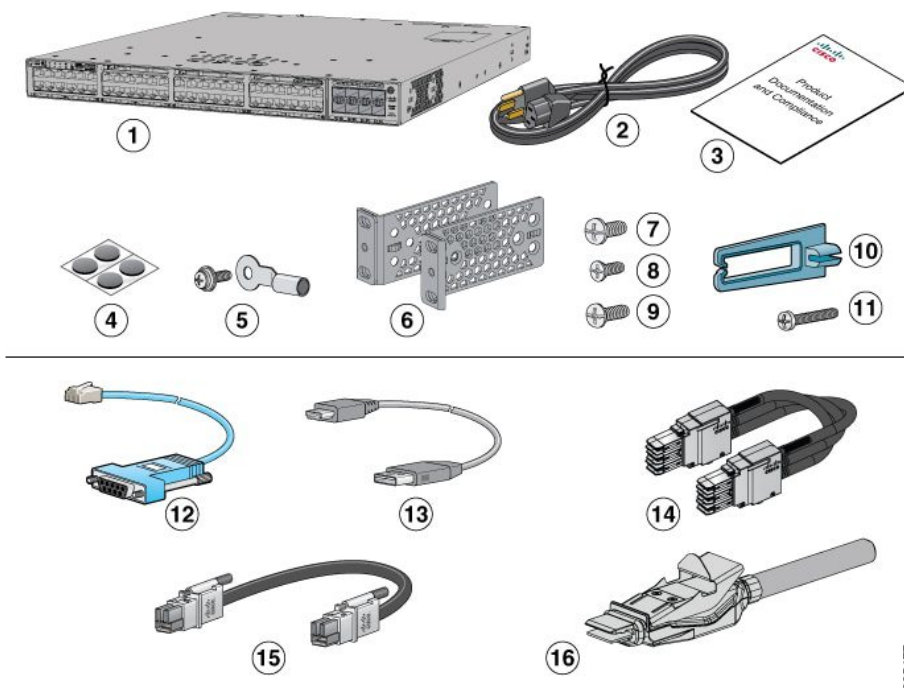
Specification

Cisco Catalyst C9300L-24T-4G-E Detailed Specifications	
Model SKU	C9300L-24T-4G-E
Software Image	Network Essentials (–E)
Switching Capacity	56 Gbps (nonblocking)
Forwarding Rate	41.66 Mpps (64-byte IPv4)
Stacking Bandwidth	320 Gbps per switch; 376 Gbps end-to-end

Cisco Catalyst C9300L-24T-4G-E Detailed Specifications	
Max Stack Members	8
Downlink Interfaces	24 × RJ-45 10/100/1000 Mb (non-PoE)
Uplink Ports	4 × 1 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
ACL Entries	5,120
QoS Entries	5,120
VLAN IDs	4,094
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	350 W AC (no PoE)
Dimensions (H × W × D)	1.73 × 17.5 × 16.1 in (4.4 × 44.5 × 40.9 cm)
Weight (with PSU)	14.93 lb / 6.78 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)
DNA Center Integration	Supported

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