Layer23
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C9300-24H-E DataSheet

Cisco C9300-24H-E: 24-port UPOE+ switch with modular uplinks, 688 Gbps stack bandwidth, and advanced enterprise features. Ideal for smart buildings and high-power networks.

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C9300-24H-E Description

The Cisco Catalyst C9300-24H-E is a 24-port UPOE+ (90W) enterprise-class switch designed to power modern smart buildings, IoT endpoints, and high-performance access networks. Equipped with modular uplinks and StackWise-480 support, it delivers high throughput, power redundancy, and advanced security. With up to 2160W PoE budget and compatibility with Cisco DNA, it ensures future-ready scalability and flexibility for cloud, virtual, or on-premises management.

Model Meaning

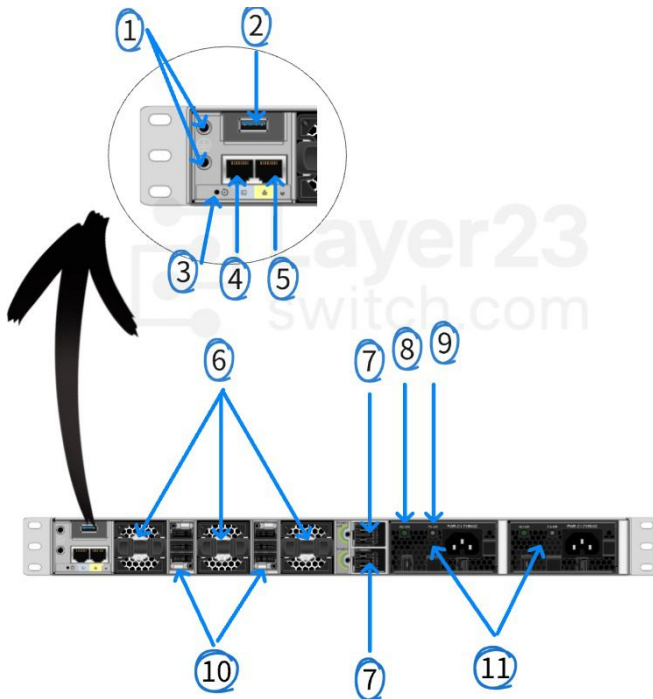| Component	Meaning	Description
C	Catalyst	Cisco's enterprise-grade switching series
9300	Catalyst 9300 Series	Designed for enterprise access, supporting advanced L2/L3 features and stacking
24	24 Ports	24 downlink ports for data and power connectivity
H	High-Power UPOE+	Supports Cisco UPOE+ (90W per port), ideal for powering high-demand endpoints
E	Network Essentials License	Basic Layer 2/3 software features; can be upgraded to Advantage

Key Features

Product Comparison

Feature / Model	C9300-24H-E	C9300-24P-4X-E
PoE Type	Cisco UPOE+ (up to 90W per port)	PoE+ (up to 30W per port)
Total PoE Budget	Up to 2160W with dual power supplies	Typically up to 720W
Use Case	High-power devices (e.g., smart lighting, APs, cameras)	Standard office devices (e.g., phones, APs)
Uplink Type	Modular uplinks (1G/10G/25G/40G/100G options)	Fixed 4x 10G uplinks
Flexibility	High — supports network module changes	Lower — uplinks are fixed
Power Stacking (StackPower)	Supported	Supported
Ideal For	Smart buildings, IoT-heavy environments	General enterprise access switching

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

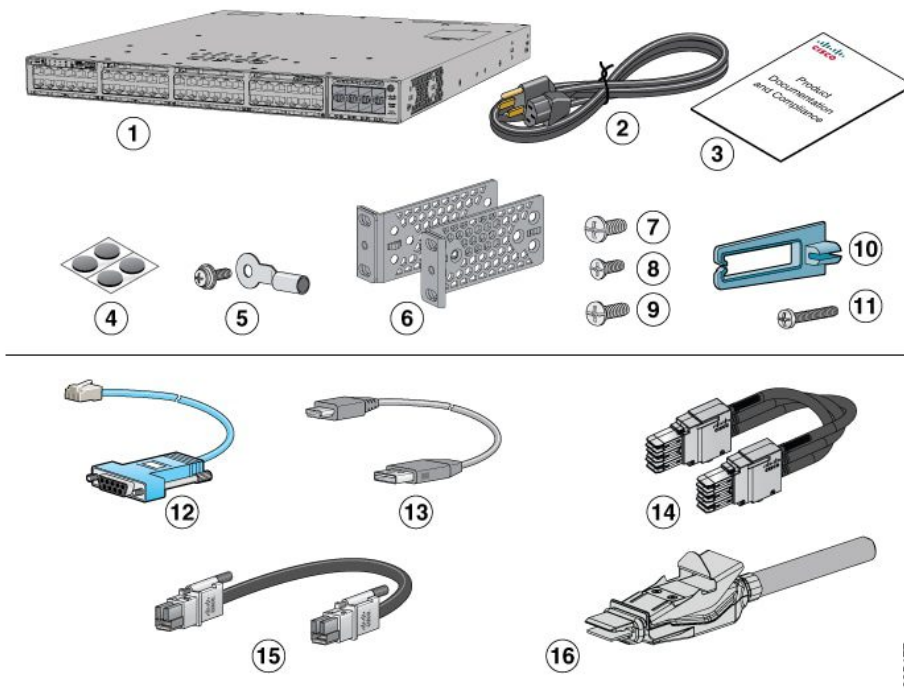| 5	MGMT (RJ-45 10/100/1000 management port)	11	Power supply modules
6	Fan modules	–	–

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

Specification	Details
Model	Cisco Catalyst C9300-24H-E
Ports	24 x 10/100/1000 Mbps Cisco UPOE+ (up to 90W per port)
Switching Capacity	208 Gbps standalone / 688 Gbps with stacking
Forwarding Rate	511.90 Mpps
Stacking Support	StackWise-480, up to 8 switches per stack
Modular Uplinks	Supports various modules: 1G/10G/25G/40G
PoE Budget	Up to 2160W with dual 1100W or 1900W power supplies
Default Power Supply	1100W AC (PWR-C1-1100WAC-P)

Specification	Details
StackPower Support	Yes (Cisco StackPower for power sharing/redundancy)
Memory	8 GB DRAM, 16 GB Flash
MAC Address Table	32,000 entries
VLANs Supported	4094 VLAN IDs
Jumbo Frame Support	Up to 9198 bytes
IPv4 Routes	32,000 total (24,000 direct + 8,000 indirect)
IPv6 Routes	16,000
Multicast Routes	8,000
Access Control Entries (ACLs)	5,120
QoS Entries	5,120
NetFlow	64,000 flow entries supported
Operating System	Cisco IOS XE
Security Features	802.1X, MACsec-128, Trust Anchor, Secure Boot, ETA
Management Interfaces	Web UI, CLI, SNMP, RESTCONF, NETCONF, Meraki Dashboard (optional)
Software License	Supports Network Essentials or Network Advantage, Cisco DNA options
Dimensions (H × W × D)	1.73 x 17.5 x 19.2 inches (4.4 x 44.5 x 48.8 cm)
Weight	7.54 kg (16.63 lbs) with default PSU
MTBF	238,410 hours

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