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C9300-24T-E DataSheet

The Cisco Catalyst C9300-24T-E is a high-performance enterprise switch featuring 24 data ports, modular uplink.sperfect for scalable, secure campus and branch deployments.

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C9300-24T-E Description

The Cisco Catalyst C9300-24T-E is a next-generation enterprise-class stackable switch, offering 24 non-PoE Gigabit Ethernet ports, modular uplink support, and high-density stacking with up to 480 Gbps bandwidth. As a core model in the Catalyst 9300 Series, C9300-24T-E is engineered for secure, high-performance campus and branch network deployments, supporting advanced features with the Cisco Network Essentials license. This flexible platform ensures investment protection, robust network automation, and seamless cloud or on-premises management. The C9300-24T-E, also referenced as C9300 24-port data switch, is ideal for high-demand access layer scenarios requiring reliability and scalability. Compatible with all Catalyst 9300 Series network modules, this model meets the needs of modern digital enterprises.

Quick Specs

Parameter	C9300-24T-E
Downlink Ports	24 × 10/100/1000 Mbps RJ-45
Uplink	Modular, support for 1G/10G/25G/40G (network module required)
Stacking	StackWise-480, up to 480 Gbps bandwidth
Switching Capacity	208 Gbps (standalone) / 688 Gbps (stacked)
Forwarding Rate	154.76 Mpps (standalone) / 511.90 Mpps (stacked)
Default Power	350W AC, non-PoE
DRAM/Flash	8 GB / 16 GB
MTBF	314,790 hours

Dimensions (HxWxD)	1.73 x 17.5 x 16.1 in (chassis only)
Weight	16.03 lbs (7.27 kg)

Note: This model does not support PoE. For PoE, consider the C9300-24P-E.
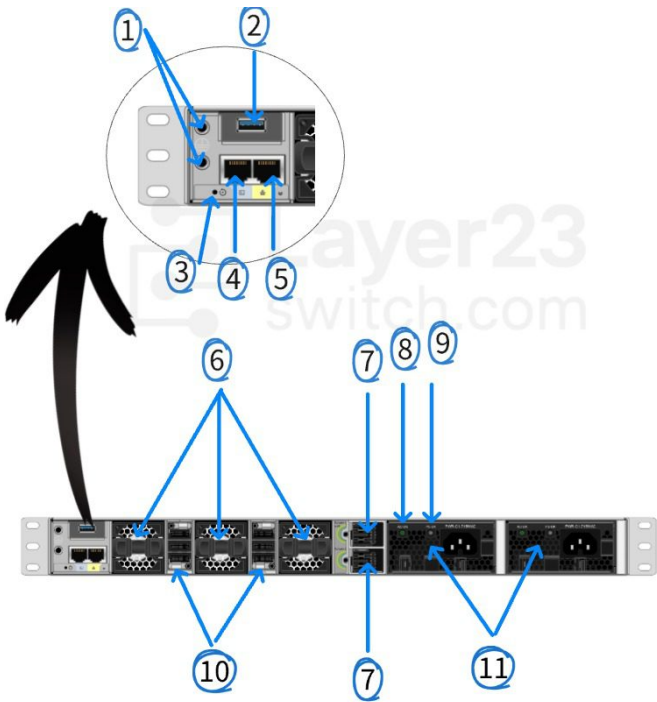
Key Features

Product Comparison

Parameter	C9300-24T-E	C9300-24P-E	C9300-24S-E
Downlink Ports	24× 1G Data	24× 1G PoE+	24× 1G SFP
Uplink Slot	1× Modular Slot	1× Modular Slot	1× Modular Slot
Default AC Power	350W	715W	715W
PoE Capability	No	Yes (PoE+)	No
Switching Capacity	208 Gbps	208 Gbps	208 Gbps
Switching w/ Stacking	688 Gbps	688 Gbps	688 Gbps
Forwarding Rate	154.76 Mpps	154.76 Mpps	154.76 Mpps
Stacking Bandwidth	480 Gbps	480 Gbps	480 Gbps
Max Stack Members	8	8	8
DRAM/Flash	8 GB / 16 GB	8 GB / 16 GB	8 GB / 16 GB
Dimensions (HxWxD)	1.73×17.5×16.1 in	1.73×17.5×16.1 in	1.73×17.5×17.7 in
Weight	7.27 kg	7.4 kg	7.64 kg
Fan/Fan Redundancy	Yes / Yes	Yes / Yes	Yes / Yes
MTBF (hours)	314,790	299,000	284,130

MACsec	Yes	Yes	Yes

Catalyst 9300 Switch Rear Panel

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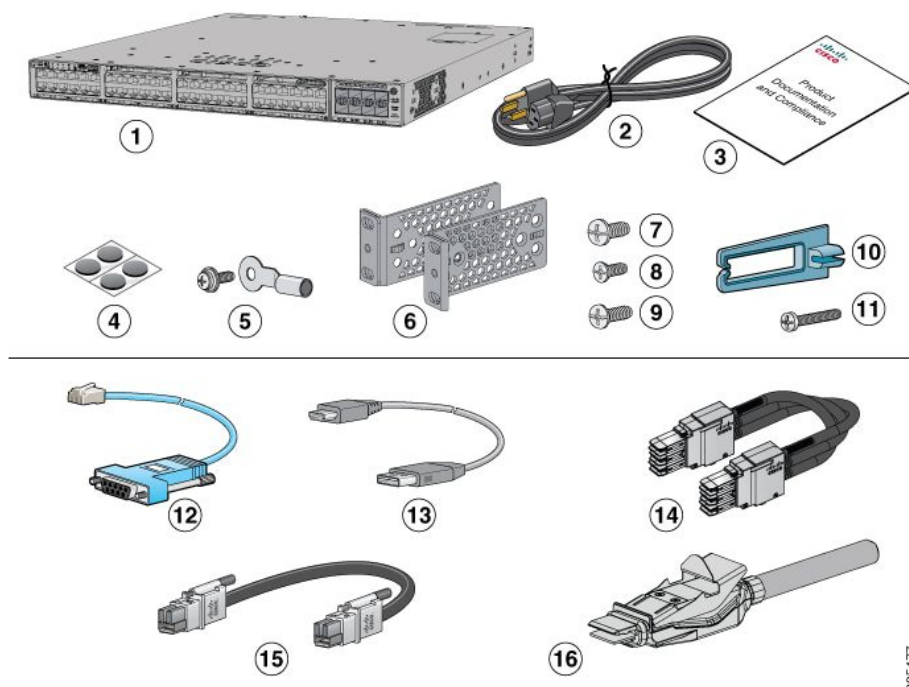
1	Ground connectors	7	StackPower connectors
2	USB3.0–SSD port	8	AC OK (input) status LED
3	BEACON LED	9	PS OK (output) status LED
4	CONSOLE (RJ-45 console port)	10	StackWise-480 port connectors
5	MGMT (RJ-45 10/100/1000 management port)	11	Power supply modules
6	Fan modules	–	–

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

Parameter	Specification	Parameter	Specification
Model	C9300-24T-E	**Product Type**	Stackable Layer 3 Switch
Downlink Ports	24 × 10/100/1000 Mbps RJ45 (data only)	**Uplink Module Slots**	1 (supports 4 × 1G/10G SFP/SFP+)
Switching Capacity	208 Gbps	**Forwarding Rate**	154.76 Mpps
Stacking Bandwidth	480 Gbps (StackWise-480)	**Max Stack Members**	8
StackPower	Supported	**Power Supply (Default)**	350W AC (hot-swappable, redundant PSU supported)
PoE/PoE+	Not Supported	**Fan Modules**	3 × Hot-swappable
Dimensions (W×D×H)	44.5 × 44.8 × 4.4 cm (1RU)	**Weight**	Approx. 7.27 kg
Management Ports	1 × 10/100/1000 Mbps RJ45	**Console Ports**	1 × RJ-45, 1 × USB Mini-B
USB Ports	Type A (storage), Type B (console)	**Operating Temperature**	0°C to 45°C
Relative Humidity	10% to 95% (non-condensing)	**Power Redundancy**	Yes (Dual PSU & StackPower)
Mounting	Rack-mountable, 1RU	**Net**	

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