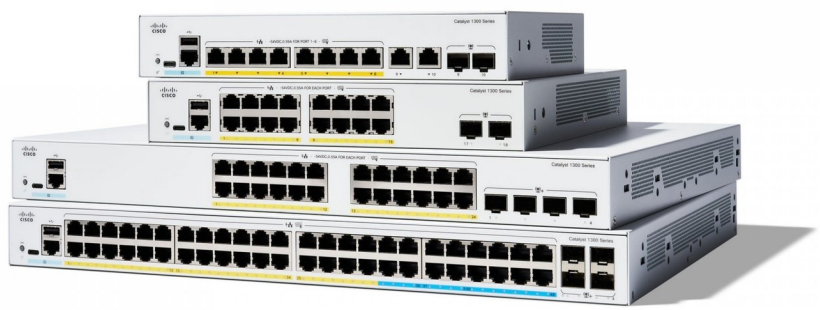
TECHNICAL DATASHEET

CISCO · NETWORKING

Cisco Catalyst 1300X 24-port Gigabit/ Multigigabit PoE+/PoE++ switch, 4x 10G SFP28 uplinks

Catalyst 1300X Layer 3 managed switch - 24x PoE ports, 4x 10G SFP28 uplinks, 740W PoE budget

SKU C1300X-24NGU-4X | 1U | Cisco



CPU	SWITCHING CAPACITY	MANUFACTURER PART NUMBER	PRICE
ARM dual-core 1.5 GHz	192 Gbps	C1300X-24NGU-4X	On request

ISO 9001 · ISO 14001 · ISO 27001

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01 Product overview

The Cisco C1300X-24NGU-4X is a Catalyst 1300X Layer 3 managed switch that provides 24x PoE ports: 16x 10/100/1000 PoE+ (30W) + 8x 5G Multigigabit 60W PoE++ and 4x SFP28 ports (10G uplinks; 25G used for stacking), with a 740 W PoE+ / PoE++ (802.3bt power budget for phones, wireless access points and cameras. It delivers 192 Gbps of switching capacity and a forwarding rate of 142.85 Mpps, ensuring wire-speed performance for everyday business traffic.

Catalyst 1300X models extend the Catalyst 1300 managed switch line with dynamic Layer 3 routing - including OSPFv2 and OSPFv3 - larger hardware tables, 2 GB of memory and SFP28 ports that provide 10G uplinks and high-bandwidth stacking of up to eight switches. They are aimed at growing businesses that need a cost-effective aggregation or core layer with Cisco Business Dashboard management.

It is a dependable choice for offices, retail outlets, schools and growing SMB networks where powered endpoints such as IP phones, Wi-Fi access points and security cameras need to be supported. ServerInvest supplies Cisco switching across Europe - contact us for pricing, availability and project quotes.

KEY SPECIFICATIONS

Manufacturer part number	**C1300X-24NGU-4X**
Series	**Catalyst 1300X**
Switch type	**Layer 3 (static, RIP, OSPFv2/v3)**
Uplinks	**4x SFP28 ports (10G uplinks; 25G used for stacking)**
PoE standard	**PoE+ / PoE++ (802.3bt, 60W)**
PoE budget	**740 W**
Switching capacity	**192 Gbps**
Forwarding rate	**142.85 Mpps**
MAC address table	**32,000**
VLANs	**4,094**
Jumbo frames	**9,000 bytes**
CPU	**ARM dual-core 1.5 GHz**

HIGHLIGHTS

- 24x PoE ports: 16x 10/100/1000 PoE+ (30W) + 8x 5G Multigigabit 60W PoE++ with 740 W PoE+ / PoE++ (802.3bt budget
- 4x SFP28 ports (10G uplinks; 25G used for stacking)
- 192 Gbps switching capacity, 142.85 Mpps forwarding rate
- Dynamic Layer 3 routing with OSPFv2/v3
- SFP28 ports for 10G uplinks and high-speed stacking (up to 8 units)
- Limited lifetime warranty with return-to-factory replacement

02 Full specifications

GENERAL

Manufacturer part number	C1300X-24NGU-4X
Series	Catalyst 1300X
Switch type	Layer 3 (static, RIP, OSPFv2/v3)

PORTS

Downlink ports	24x PoE ports: 16x 10/100/1000 PoE+ (30W) + 8x 5G Multigigabit 60W PoE++
Uplinks	4x SFP28 ports (10G uplinks; 25G used for stacking)

POWER OVER ETHERNET

PoE standard	PoE+ / PoE++ (802.3bt, 60W)
PoE budget	740 W

PERFORMANCE

Switching capacity	192 Gbps

Forwarding rate	142.85 Mpps
MAC address table	32,000
VLANs	4,094
Jumbo frames	9,000 bytes

HARDWARE

CPU	ARM dual-core 1.5 GHz
DRAM	2 GB DDR4
Flash	1 GB SLC
Stacking	Up to 8 units over SFP28 ports

POWER

Power supply	Internal 100-240V AC power supply
Power consumption (typical/system)	104.2 W
Heat dissipation	3104.3 BTU/hr

PHYSICAL

Form factor	1U rack-mountable
Cooling	Single fan

ENVIRONMENTAL

Operating temperature	-5°C to +50°C

WARRANTY

Warranty	Limited lifetime warranty with return-to-factory replacement

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