

CISCO · CATALYST 1300 SWITCHES

C1300X-48NGU-4X

40x1G PoE+ + 8x5G PoE++ Ports · 4x10G SFP28 Uplinks · 740W PoE Budget

New, factory-sealed · 3-year LSCare warranty · Ships from Hong Kong and US stock

C1300X-48NGU-4X

Product Model	C1300X-48NGU-4X
Category	Catalyst 1300 Switches
Condition	New, factory-sealed
Warranty	3-year LSCare warranty
Supplier	Layer23-Switch · www.layer23-switch.com



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The C1300X-48NGU-4X is a Cisco Catalyst 1300X Series fixed managed Layer 3 PoE++ switch for branch offices that run gigabit phones and cameras beside 60W-class wireless access points. The switch has 40 Gigabit PoE+ ports, eight 5G PoE++ ports and four SFP28 uplinks at 10G, with a 740W PoE budget, 240 Gbps of switching capacity and an 8 MB packet buffer.

New, factory-sealed · [3-year LSCare warranty](#) · [14-day returns](#) · [Cisco SN check before shipment](#)

Specifications

Product ID	C1300X-48NGU-4X	Product type	Fixed managed Layer 3 multigigabit PoE+/PoE++ switch
Operating software	Customized Linux OS software	Total ports	40 x Gigabit Ethernet + 8 x 5G mGig + 4 x 10G
PoE+ ports	40 x 10/100/1000, 30W PoE+ per port	PoE++ ports	8 x 5G, 60W PoE++ per port
Uplink ports	4 x SFP28 (10G uplink, 25G available for stacking only)	Console port	Cisco standard RJ-45 console port and USB Type C port
USB port	USB Type C port for file and image management and console access	Buttons	Reset button
LEDs	System, Link/Act, PoE, Speed	Switching capacity	240 Gbps, wire speed and nonblocking
Forwarding rate	178.57 Mpps (64-byte packets)	Packet buffer	8 MB, aggregate across all ports and dynamically shared
Flash	1 GB SLC	CPU	ARM dual-core at 1.5 GHz
DRAM	2 GB DDR4	MAC addresses	Up to 32,000 entries
VLAN IDs	Up to 4094 VLANs (4078 to 4094 reserved for internal usage)	VLAN types	Port-based, 802.1Q tag-based, MAC-based, protocol-based, and IP subnet-based VLANs; voice VLAN; guest VLAN, unauthenticated VLAN, Private VLAN, and Private VLAN Edge
IPv4 routing scale	Up to 7,168 dynamic and static routes and 256 IP interfaces	IPv6 routing	Wire-speed routing of IPv6 packets
Layer 3 routing protocols	RIP v2, OSPF v2 and v3, and policy-based routing	DHCP services	DHCP server, DHCP relay, and UDP relay
ACL entries	Up to 3,072 rules, ingress and egress, time-based ACLs supported	IGMP snooping	IGMP v1, v2, and v3 with 4,000 multicast groups; source-specific multicast supported
MLD snooping	MLD v1 and v2	Spanning tree protocol	MSTP with 16 instances; PVST+ and Rapid PVST+ with 126 instances
Port grouping/link aggregation	LACP with up to 8 groups and up to 8 ports per group	Port mirroring	Up to 8 source ports mirrored to one destination port

Jumbo frames	Up to 9000 bytes; default MTU is 2000 bytes	Quality of service	8 hardware queues with strict priority and WRR scheduling; 802.1p, DSCP, and IP precedence classification; ingress policer and egress shaping
Hardware stacking	Up to 8 switches per stack, managed as one system of up to 400 ports with one IP address and hardware failover	Stacking family	C1300X Family; cross-stacking between Families is not supported
High-speed stack interconnects	SFP28 slots with 25G available for stacking, ring and chain options	Security	802.1X, web-based authentication, DHCP snooping, IP Source Guard, Dynamic ARP Inspection, port security, storm control, IPv6 First Hop Security, RADIUS and TACACS+
Management	Cisco Business Dashboard embedded probe, Cisco Business mobile app, Cisco Network Plug and Play, web UI (HTTP/HTTPS), SNMP v1/v2c/v3, text view CLI	Firmware upgrade	Web browser, TFTP, and SCP; dual images allow software upgrades with minimal network downtime
Bluetooth access	External Bluetooth dongle in the USB port for CLI and GUI access from laptops and tablets	Energy efficiency	IEEE 802.3az Energy Efficient Ethernet on copper Gigabit Ethernet ports, energy detect, cable length detection, port LED disable, time-based port operation
Standards	IEEE 802.3 10BASE-T, 802.3u, 802.3ab, 802.3ad LACP, 802.3z, 802.3ae, 802.3an, 802.3x flow control, 802.1D, 802.1Q/p, 802.1w, 802.1s, 802.1X, 802.3af, 802.3at, 802.1AB, 802.3az, and the RFCs listed in the Cisco data sheet	Default PoE budget	740W
PoE-capable ports	48	PoE standards	802.3bt (Type 3) PoE++ and 802.3at PoE+; 30W PoE+ on 40 ports and 60W PoE++ on 8 ports
PoE scheduling	Time-based PoE turns PoE power on or off on a user-defined schedule	Persistent PoE	PoE power is provided while the device is rebooting
Default power supply	Internal universal supply, 100-240V 50-60 Hz	System power consumption (worst case)	110V=113.2W; 220V=122.4W
Power consumption with PoE (worst case)	110V=858.4W; 220V=869.1W	Idle power	110V=31.6W; 220V=41.5W
Heat dissipation	3079.46	Fan modules	2
Acoustic noise	25°C: 49.2 dBA	MTBF at 25°C (hours)	216,091
Operating temperature	-5°C to 50°C (23°F to 122°F); minimum ambient temperature for cold start is 32°F (0°C)	Storage temperature	-25°C to 70°C (-13°F to 158°F)
Operating humidity	10% to 90% relative, noncondensing	Storage humidity	10% to 90% relative, noncondensing
Dimensions (H x W x D)	444.3 x 340 x 43.94 mm (17.49 x 13.38 x 1.73 in)	Weight	5.15 kg (11.35 lb)
Mounting	Rack-mountable, 19-inch mounting brackets included	Fiber type	UTP Category 5e or better for 1000BASE-T
Certifications	UL (UL 62368), CSA (CSA 22.2), CE mark, FCC Part 15 (CFR 47) Class A	Package contents	Switch, power cord (excluded when NO-POWER-CORD is selected), mounting kit, pointer card

Get Price and Availability for C1300X-48NGU-4X

New, factory-sealed units with a 3-year warranty. Our sales team quotes within one business day, and in-stock orders ship within one business day of payment from our Hong Kong and US warehouses.

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Address 2810 North Church Street, Suite 89727, Wilmington, DE 19802, USA

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LAYER23-SWITCH