

CISCO · CATALYST 1300 SWITCHES

# C1300-8MGP-2X

4x1G + 4x2.5G PoE+ Ports · 2x10G SFP+ Uplinks · 120W PoE Budget

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

C1300-8MGP-2X

|               |                                                                                     |
|---------------|-------------------------------------------------------------------------------------|
| Product Model | C1300-8MGP-2X                                                                       |
| Category      | Catalyst 1300 Switches                                                              |
| Condition     | New, factory-sealed                                                                 |
| Warranty      | 3-year LSCare warranty                                                              |
| Supplier      | Layer23-Switch · <a href="http://www.layer23-switch.com">www.layer23-switch.com</a> |



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**3-Year**

Warranty

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The C1300-8MGP-2X is a Cisco Catalyst 1300 Series managed multigigabit PoE+ switch for branch offices and small businesses that need powered endpoint ports in a compact chassis. The switch has four 10/100/1000 and four 2.5G ports at 30W PoE+ each, a shared 120W PoE budget, two 10G SFP+ uplinks and 68 Gbps of nonblocking switching capacity in a fanless chassis.

New, factory-sealed · 3-year LSCare warranty · 14-day returns · Cisco SN check before shipment

## Specifications

|                        |                                                                                                      |                                |                                                                     |
|------------------------|------------------------------------------------------------------------------------------------------|--------------------------------|---------------------------------------------------------------------|
| Product ID             | C1300-8MGP-2X                                                                                        | Product type                   | Fixed managed Layer 3 multigigabit PoE+ switch                      |
| Operating software     | Customized Linux OS software                                                                         | Total ports                    | 4 Gigabit Ethernet + 4 x 2.5G mGig + 2 x 10G                        |
| 10/100/1000 PoE+ ports | 4 x 10/100/1000, 30W PoE+ per port                                                                   | 2.5G PoE+ ports                | 4 x 2.5G mGig, 30W PoE+ per port                                    |
| Uplink ports           | 2 x 10G SFP+                                                                                         | Supported port speeds          | 10 Gigabit and 1 Gigabit on the SFP+ ports                          |
| 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     | 68 Gbps, wire speed and nonblocking                                                                  | Forwarding rate                | 50.60 Mpps (64-byte packets)                                        |
| Packet buffer          | 1.5 MB, aggregate across all ports and dynamically shared                                            | Flash                          | 1 GB SLC                                                            |
| CPU                    | ARM dual-core at 1.5 GHz                                                                             | DRAM                           | 1 GB DDR4                                                           |
| VLAN IDs               | Up to 4094 VLANs (4078 to 4094 reserved for internal usage)                                          | Jumbo frames                   | Up to 9000 bytes; default MTU is 2000 bytes                         |
| Layer 3 routing        | Wire-speed IPv4 and IPv6 routing; DHCP server, DHCP relay, and UDP relay                             | Layer 3 routing protocols      | RIP v2 and policy-based routing; OSPF v2 and v3 only on C1300X SKUs |
| 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                |
| IGMP snooping          | IGMP v1, v2, and v3 snooping with source-specific multicast                                          | MLD snooping                   | MLD v1 and v2                                                       |
| Port mirroring         | Up to 8 source ports mirrored to one destination port                                                | Quality of service             | 8 hardware queues with strict priority and WRR scheduling           |
| Hardware stacking      | Up to 8 switches in one stack, which manages up to 400 ports as one system; C1300 Family 1 PIDs only | High-speed stack interconnects | 10 Gigabit Ethernet fiber interfaces, 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     | Voice VLAN                              | Voice traffic is assigned automatically to a voice-specific VLAN; Voice Services Discovery Protocol supports zero-touch deployment of voice endpoints |
| Guest VLAN                            | Guest VLAN and unauthenticated VLAN                                                                                                                 | Private VLAN                            | Private VLAN with promiscuous, isolated, and community ports; Private VLAN Edge (protected ports)                                                     |
| 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 (HTTP/HTTPS), TFTP, and SCP over SSH; dual images for resilient upgrades                                                                  |
| Bluetooth access                      | External Bluetooth dongle in the USB port for CLI and GUI access from laptops and tablets                                                           | Discovery                               | Bonjour, LLDP with LLDP-MED, Cisco Discovery Protocol                                                                                                 |
| Default PoE budget                    | 120W                                                                                                                                                | PoE-capable ports                       | 8                                                                                                                                                     |
| PoE standards                         | 802.3at PoE+, 802.3af PoE, and Cisco pre-standard (legacy) PoE                                                                                      | 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=21.4W; 220V=21.3W                                                                                                                              | Power consumption with PoE (worst case) | 110V=145.1W; 220V=143.4W                                                                                                                              |
| Idle power                            | 110V=10.4W; 220V=10.3W                                                                                                                              | Heat dissipation                        | 494.79                                                                                                                                                |
| Fan modules                           | Fanless                                                                                                                                             | MTBF at 25°C (hours)                    | 561,618                                                                                                                                               |
| 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)                | 268 x 298 x 43.94 mm (10.55 x 11.73 x 1.73 in)                                                                                                      | Weight                                  | 2.64 kg (5.83 lb)                                                                                                                                     |
| Mounting                              | Rack-mountable; 19-inch rack brackets are not included with 8-port models, and RCKMNT-CMPCT-1K= is listed for 8-port, 12-port, and 16-port models   | 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 C1300-8MGP-2X

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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