

Cisco Catalyst 1200-24P-4G - switch - 24 ports - smart - rack-mountable(C1200-24P-4G)

Cisco Catalyst 1200-24P-4G - Switch - L3 - smart - 24 x 10/100/1000Base-T + 4 x 10 Gigabit SFP+ - rack-mountable - PoE+ (195 W)

The Cisco Catalyst 1200-24P-4G switch is the next generation of affordable, smart switches that combine powerful network performance, security, and reliability with a comprehensive suite of network features you need for a solid small business network.



Key Selling Points

- Easy configuration and management
- Reliability and performance
- Layer 3 static routing
- Power over Ethernet
- Network security
- Flexible and compact design
- An energy-efficient solution
- Peace of mind and investment protection

Product Features

SWITCH PORTS

24 ports 10/100/1000 + 4x 1GE SFP (total PoE power budget: 195W, PoE, PoE+)

SIMPLE

Intuitive Cisco Business mobile app, local web interface, and Cisco Business Dashboard allows you to set up, manage, and monitor the switch, with step-by-step instructions to install and configure your network in minutes - no IT expertise required

SECURITY

Integrated with IEEE 802.1X port security to control access to your network, denial-of-service (DoS) attack prevention increases network uptime during an attack, while access control lists (ACLs) protect the network from unauthorized users

ENERGY EFFICIENT

Optimizes power usage to lower operational cost. Compliant with IEEE 802.3az Energy Efficient Ethernet. Fanless in select models

PERFECT FOR SMALL BUSINESS

Requires no subscription or licenses to use, and offers limited lifetime hardware warranty with complimentary 1-year technical support

Main Specifications

|                           |                                                                             |
|---------------------------|-----------------------------------------------------------------------------|
| Product Description       | Cisco Catalyst 1200-24P-4G - switch - 24 ports - smart - rack-mountable     |
| Device Type               | Switch - 24 ports - L3 - smart                                              |
| Enclosure Type            | Rack-mountable                                                              |
| Subtype                   | Gigabit Ethernet                                                            |
| Ports                     | 24 x 10/100/1000Base-T + 4 x 10 Gigabit SFP+                                |
| Power Over Ethernet (PoE) | PoE+                                                                        |
| PoE Budget                | 195 W                                                                       |
| Performance               | Forwarding rate (64 byte packets): 41.66 Mpps   Switching capacity: 56 Gbps |

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Capacity                   | MSTP instances: 8   PVST+ instances: 126   RPVST+ instances: 126   Link aggregation groups: 4   Link aggregation ports: 8   Active VLANs: 255   IGMP multicast groups: 255   IPv4 routes (static): 32   IPv4 interfaces: 16   ACL rules: 512   Priority queues: 8   Packet buffer size: 1.5 MB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| MAC Address Table Size     | 8000 entries                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Jumbo Frame Support        | 9000 bytes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Routing Protocol           | STP, static IP routing, MSTP, RSTP, IGMP, IGMPv2, IGMPv3, CIDR, MLD, MLDv2, Bounjour                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Remote Management Protocol | CLI, Telnet, SSH, SSH-2, DHCP, ICMP, SNMP, RADIUS, Syslog, HTTP, HTTPS, SNMP 2c, SNMP 3, RMON, TFTP, SCP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Features                   | Fanless, QoS, ACL support, eco-friendly button, EEE, PVST+, Link Aggregation, port grouping, LACP, LAG, VLAN support, Auto Surveillance VLAN, Guest VLAN, port-based VLAN, tag-based VLANs, VLAN management, Voice VLAN, VSDP, Zero-Touch Deployment, GARP, GVRP, IGMP snooping, IGMP querier, loopback detection, UDP, BOOTP support, STP loop guard, SCT, SSD, trustworthy systems, Port Security, Broadcast Storm Control, Multicast Storm Control, Storm Control, Unknown Storm Control, DoS attack prevention, TCP/UDP proxy, DSCP based CoS, SP, WRR queuing, CoS, ToS, DiffServ support, EQS, ingress rate limiting, TCP congestion, SNTP support, TFTP support, DHCP client, DNS client, SNMP trap, remote firmware upgrade, Cable Diagnostics Function, DHCP server, port mirroring, SCP, VLAN mirroring, Telnet client, cable length detection, chip guard, boot integrity, LLDP, LLDP-MED, CDP, reset button, time-based port operation, IPv4 and IPv6 dual stack, Telnet server, DAD, path MTU discovery, WRR, Unicast Storm Control, DoS protection, HoL Blocking Prevention, DHCP relay, RPVST+, MSTP support, layer 3 routing |
| Compliant Standards        | IEEE 802.1x, IEEE 802.3az, IEEE 802.1D, IEEE 802.1w, IEEE 802.1s, IEEE 802.3ad (LACP), IEEE 802.1Q, IEEE 802.1p, IEEE 802.1ab (LLDP), IEEE 802.3, IEEE 802.3ab, IEEE 802.3u, IEEE 802.3x, IEEE 802.3z, IEEE 802.3at, IEEE 802.3af                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Power                      | AC 100-240 V (50 - 60 Hz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Dimensions (WxDxH)         | 44.5 cm x 29.9 cm x 4.4 cm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Weight                     | 3.53 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Manufacturer Warranty      | Limited lifetime warranty                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

Extended Specification

General

|                            |                                                                                                                                                                                                                                                                                                |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Device Type                | Switch - 24 ports - L3 - smart                                                                                                                                                                                                                                                                 |
| Enclosure Type             | Rack-mountable                                                                                                                                                                                                                                                                                 |
| Subtype                    | Gigabit Ethernet                                                                                                                                                                                                                                                                               |
| Ports                      | 24 x 10/100/1000Base-T + 4 x 10 Gigabit SFP+                                                                                                                                                                                                                                                   |
| Power Over Ethernet (PoE)  | PoE+                                                                                                                                                                                                                                                                                           |
| PoE Budget                 | 195 W                                                                                                                                                                                                                                                                                          |
| Performance                | Forwarding rate (64 byte packets): 41.66 Mpps   Switching capacity: 56 Gbps                                                                                                                                                                                                                    |
| Capacity                   | MSTP instances: 8   PVST+ instances: 126   RPVST+ instances: 126   Link aggregation groups: 4   Link aggregation ports: 8   Active VLANs: 255   IGMP multicast groups: 255   IPv4 routes (static): 32   IPv4 interfaces: 16   ACL rules: 512   Priority queues: 8   Packet buffer size: 1.5 MB |
| MAC Address Table Size     | 8000 entries                                                                                                                                                                                                                                                                                   |
| Jumbo Frame Support        | 9000 bytes                                                                                                                                                                                                                                                                                     |
| Routing Protocol           | STP, static IP routing, MSTP, RSTP, IGMP, IGMPv2, IGMPv3, CIDR, MLD, MLDv2, Bounjour                                                                                                                                                                                                           |
| Remote Management Protocol | CLI, Telnet, SSH, SSH-2, DHCP, ICMP, SNMP, RADIUS, Syslog, HTTP, HTTPS, SNMP 2c, SNMP 3, RMON, TFTP, SCP                                                                                                                                                                                       |

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| Encryption Algorithm  | SSL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Authentication Method | RADIUS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Features              | Fanless, QoS, ACL support, eco-friendly button, EEE, PVST+, Link Aggregation, port grouping, LACP, LAG, VLAN support, Auto Surveillance VLAN, Guest VLAN, port-based VLAN, tag-based VLANs, VLAN management, Voice VLAN, VSDP, Zero-Touch Deployment, GARP, GVRP, IGMP snooping, IGMP querier, loopback detection, UDP, BOOTP support, STP loop guard, SCT, SSD, trustworthy systems, Port Security, Broadcast Storm Control, Multicast Storm Control, Storm Control, Unknown Storm Control, DoS attack prevention, TCP/UDP proxy, DSCP based CoS, SP, WRR queuing, CoS, ToS, DiffServ support, EQS, ingress rate limiting, TCP congestion, SNTP support, TFTP support, DHCP client, DNS client, SNMP trap, remote firmware upgrade, Cable Diagnostics Function, DHCP server, port mirroring, SCP, VLAN mirroring, Telnet client, cable length detection, chip guard, boot integrity, LLDP, LLDP-MED, CDP, reset button, time-based port operation, IPv4 and IPv6 dual stack, Telnet server, DAD, path MTU discovery, WRR, Unicast Storm Control, DoS protection, HoL Blocking Prevention, DHCP relay, RPVST+, MSTP support, layer 3 routing |
| Compliant Standards   | IEEE 802.1x, IEEE 802.3az, IEEE 802.1D, IEEE 802.1w, IEEE 802.1s, IEEE 802.3ad (LACP), IEEE 802.1Q, IEEE 802.1p, IEEE 802.1ab (LLDP), IEEE 802.3, IEEE 802.3ab, IEEE 802.3u, IEEE 802.3x, IEEE 802.3z, IEEE 802.3at, IEEE 802.3af                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Processor             | X ARM: 1.4 GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| RAM                   | 1 GB DDR4 SDRAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Flash Memory          | 512 MB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Status Indicators     | System, link/activity/speed, PoE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

#### Expansion / Connectivity

|            |                                                                                    |
|------------|------------------------------------------------------------------------------------|
| Interfaces | 24 x 1000Base-T RJ-45   4 x 10GBase-X SFP+   1 x console RJ-45   1 x USB-C console |
|------------|------------------------------------------------------------------------------------|

#### Manufacturer Warranty

|                   |                                                                                                          |
|-------------------|----------------------------------------------------------------------------------------------------------|
| Service & Support | Limited warranty - lifetime - response time: next business day   Technical support - consulting - 1 year |
|-------------------|----------------------------------------------------------------------------------------------------------|

#### Miscellaneous

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Included Accessories | Pointer card, mounting kit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| MTBF                 | 698,220 hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Compliant Standards  | Plug and Play, RFC768, RFC783, RFC791, RFC792, RFC793, RFC813, RFC826, RFC879, RFC896, RFC854, RFC855, RFC856, RFC858, RFC894, RFC919, RFC920, RFC922, RFC950, RFC951, RFC1042, RFC1071, RFC1123, RFC1141, RFC1155, RFC1157, RFC1213, RFC1215, RFC1286, RFC1350, RFC1442, RFC1451, RFC1493, RFC1533, RFC1541, RFC1542, RFC1573, RFC1624, RFC1643, RFC1700, RFC1757, RFC1867, RFC1907, RFC2011, RFC2012, RFC2013, RFC2030, RFC2131, RFC2132, RFC2233, RFC2576, RFC2616, RFC2618, RFC2665, RFC2666, RFC2674, RFC2737, RFC2819, RFC2863, RFC3164, RFC3176, RFC3411, RFC3412, RFC3413, RFC3414, RFC3415, RFC3416, RFC4330, RFC4443, RFC4291, RFC2460, RFC4861, RFC4862, RFC1981, RFC4007, RFC3484, RFC5214, RFC4293, RFC3595, CSA 22.2, FCC CFR47 Part 15, UL 62368, WEEE |

#### Power

|                  |                           |
|------------------|---------------------------|
| Power Device     | Internal power supply     |
| Voltage Required | AC 100-240 V (50 - 60 Hz) |

#### Environmental Parameters

|                           |                              |
|---------------------------|------------------------------|
| Min Operating Temperature | -5 °C                        |
| Max Operating Temperature | 50 °C                        |
| Humidity Range Operating  | 10 - 90% RH (non-condensing) |
| Min Storage Temperature   | -25 °C                       |
| Max Storage Temperature   | 70 °C                        |
| Humidity Range Storage    | 10 - 90% RH (non-condensing) |

**Dimensions & Weight**

|        |         |
|--------|---------|
| Width  | 44.5 cm |
| Depth  | 29.9 cm |
| Height | 4.4 cm  |
| Weight | 3.53 kg |

**What's in the box**

Switch, power cord, USB Type C cable, and mounting hardware

Product data is provided by CNET, we do not warrant the accuracy and completeness of the material contained in this data sheet