

Cisco Catalyst 1300-24XT - switch - 24 ports - smart - rack-mountable(C1300-24XT)

Cisco Catalyst 1300-24XT - Switch - L3 - smart - 24 x 10 Gigabit Ethernet + 4 x combo 10 Gigabit SFP+/RJ-45 - rack-mountable

The Cisco Catalyst 1300-24XT switch is part of the fully managed switch line that delivers reliable and secure connectivity for small business networks. These switches accelerate your digital transformation by delivering full Layer 2/3 capabilities, an intuitive web dashboard, advanced networking features, and PoE+ support.



Key Selling Points

- 24 10 Gigabit Ethernet ports for high-speed network connections
- 4 combo 10 Gigabit SFP+/RJ-45 ports for flexible uplink options
- Advanced security with RADIUS, TACACS+, and ACL support
- High forwarding rate of 357.12 Mpps and 480 Gbps switching capacity
- Energy-efficient design with ECO-friendly features and fanless operation

Product Features

SWITCH PORTS

20 ports 10G Copper + 4x 10GE Copper/SFP+ combo ports + 1x GE Management Port

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

ENHANCED SECURITY

IP-MAC port binding detects and blocks deliberate network attacks. IPv6 First Hop Security provides unparalleled protection against a vast range of address spoofing and man-in-the-middle attacks on IPv6 networks.

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 1300-24XT - switch - 24 ports - smart - rack-mountable
Device Type	Switch - 24 ports - L3 - smart
Enclosure Type	Rack-mountable
Subtype	10 Gigabit Ethernet
Ports	24 x 10 Gigabit Ethernet + 4 x combo 10 Gigabit SFP+/RJ-45
Performance	Forwarding rate (64 byte packets): 357.12 Mpps Switching capacity: 480 Gbps
Capacity	MSTP instances: 8 RPVST+ instances: 126 Link aggregation groups: 8 Link aggregation ports: 8 VLAN IDs: 4093 IGMP multicast groups: 2000 IPv4 routes (static): up to 990 IPv4 interfaces: 128 ACL rules: 1024 Priority queues: 8 Packet buffer size: 1.5 MB
MAC Address Table Size	16000 entries
Jumbo Frame Support	9000 bytes

Routing Protocol	STP, static IP routing, RSTP, MSTP, IGMP, IGMPv2, IGMPv3, CIDR, RIP-2, policy-based routing (PBR), MLD, MLDv2
Remote Management Protocol	CLI, SNMP, Telnet, SSH, SSH-2, DHCP, SCP, HTTPS, HTTP, ICMP, TFTP, Syslog, SNMP 2c, SNMP 3, RMON, RADIUS
Features	Fanless, VLAN support, STP support, CLI management, ATP, FHS, QoS, sFlow, dynamic routing, Zero-Touch Deployment, Port Security, Web authentication, Address Resolution Protocol, ARP inspection, IP source guard, DHCP snooping, IPMB, NDP, router advertisement guard, DHCPv6 guard, layer 3 routing, LAG, port mirroring, eco-friendly button, EEE, RSTP, MSTP support, PVST+, RPVST+, LACP, Protocol-based VLANs support, MAC based VLAN, VLAN management, Private VLAN, PVE, Guest VLAN, GVRP, CPE VLAN, Auto Surveillance VLAN, MVR, Q-in-Q tunnelling, TPID, GARP, UDLD, DHCP relay, DHCP server, IGMP snooping, IGMP querier, IGMP proxy, HoL Blocking Prevention, loopback detection, ACL support, BOOTP support, UDP, High Availability, MAC address authentication, BPDU Guard, STP Root Guard, STP loop guard, DAI, DoS protection, SCT, SSD, trustworthy systems, Broadcast Storm Control, Multicast Storm Control, Storm Control, Unicast Storm Control, Unknown Storm Control, DoS attack prevention, WRR, ToS, DSCP based CoS, DiffServ support, TCP congestion, iSCSI traffic optimisation, path MTU discovery, DAD, RA guard, MLD snooping, MLD proxy, Telnet server, DNS client, Telnet client, DHCP client, Cisco NG PnP Protocol, IPv4 and IPv6 dual stack, VLAN mirroring, RSPAN, SCP, chip guard, boot integrity, persistent PoE, PoE scheduling, time-based port operation, cable length detection, LLDP, LLDP-MED, reset button
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 802.3, IEEE 802.3ab, IEEE 802.3ae, IEEE 802.3an, IEEE 802.3u, IEEE 802.3x, IEEE 802.3z, IEEE 802.3af, IEEE 802.3at
Power	AC 100-240 V (50/60 Hz)
Dimensions (WxDxH)	44.5 cm x 24 cm x 4.4 cm
Weight	2.78 kg
Manufacturer Warranty	Limited lifetime warranty

Extended Specification

General

Device Type	Switch - 24 ports - L3 - smart
Enclosure Type	Rack-mountable
Subtype	10 Gigabit Ethernet
Ports	24 x 10 Gigabit Ethernet + 4 x combo 10 Gigabit SFP+/RJ-45
Performance	Forwarding rate (64 byte packets): 357.12 Mpps Switching capacity: 480 Gbps
Capacity	MSTP instances: 8 RPVST+ instances: 126 Link aggregation groups: 8 Link aggregation ports: 8 VLAN IDs: 4093 IGMP multicast groups: 2000 IPv4 routes (static): up to 990 IPv4 interfaces: 128 ACL rules: 1024 Priority queues: 8 Packet buffer size: 1.5 MB
MAC Address Table Size	16000 entries
Jumbo Frame Support	9000 bytes
Routing Protocol	STP, static IP routing, RSTP, MSTP, IGMP, IGMPv2, IGMPv3, CIDR, RIP-2, policy-based routing (PBR), MLD, MLDv2
Remote Management Protocol	CLI, SNMP, Telnet, SSH, SSH-2, DHCP, SCP, HTTPS, HTTP, ICMP, TFTP, Syslog, SNMP 2c, SNMP 3, RMON, RADIUS
Encryption Algorithm	SSL, MD5
Authentication Method	RADIUS, TACACS+

Features	Fanless, VLAN support, STP support, CLI management, ATP, FHS, QoS, sFlow, dynamic routing, Zero-Touch Deployment, Port Security, Web authentication, Address Resolution Protocol, ARP inspection, IP source guard, DHCP snooping, IPMB, NDP, router advertisement guard, DHCPv6 guard, layer 3 routing, LAG, port mirroring, eco-friendly button, EEE, RSTP, MSTP support, PVST+, RPVST+, LACP, Protocol-based VLANs support, MAC based VLAN, VLAN management, Private VLAN, PVE, Guest VLAN, GVRP, CPE VLAN, Auto Surveillance VLAN, MVR, Q-in-Q tunnelling, TPID, GARP, UDLD, DHCP relay, DHCP server, IGMP snooping, IGMP querier, IGMP proxy, HoL Blocking Prevention, loopback detection, ACL support, BOOTP support, UDP, High Availability, MAC address authentication, BPDU Guard, STP Root Guard, STP loop guard, DAI, DoS protection, SCT, SSD, trustworthy systems, Broadcast Storm Control, Multicast Storm Control, Storm Control, Unicast Storm Control, Unknown Storm Control, DoS attack prevention, WRR, ToS, DSCP based CoS, DiffServ support, TCP congestion, iSCSI traffic optimisation, path MTU discovery, DAD, RA guard, MLD snooping, MLD proxy, Telnet server, DNS client, Telnet client, DHCP client, Cisco NG PnP Protocol, IPv4 and IPv6 dual stack, VLAN mirroring, RSPAN, SCP, chip guard, boot integrity, persistent PoE, PoE scheduling, time-based port operation, cable length detection, LLDP, LLDP-MED, reset button
----------	--

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 802.3, IEEE 802.3ab, IEEE 802.3ae, IEEE 802.3an, IEEE 802.3u, IEEE 802.3x, IEEE 802.3z, IEEE 802.3af, IEEE 802.3at
---------------------	--

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 10GBase-T RJ-45 4 x 10GBase-T/10GBase-X RJ-45/SFP+ 1 x console RJ-45 1 x USB-C console 1 x USB 1 x RJ-45
------------	---

Manufacturer Warranty

Service & Support	Limited warranty - return to factory - lifetime Technical support - 1 year
-------------------	--

Miscellaneous

Included Accessories	Pointer card, mounting kit
----------------------	----------------------------

MTBF	2,165,105 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)
------------------	-------------------------

Power Consumption Operational	78.6 Watt
-------------------------------	-----------

Power Consumption Stand by	37.8 Watt
----------------------------	-----------

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	24 cm
Height	4.4 cm
Weight	2.78 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