

Product information
Shop-Navcode S29301533
Manufacturer Cisco



Cisco Catalyst 1300-12XT-2X - Switch



Product information	
Part number	S29301533
Manufacturer	Cisco
Manuf. part number	C1300-12XT-2X
Main specifications	
Product Description	Cisco Catalyst 1300-12XT-2X - switch - 12 ports - smart - rack-mountable
Device Type	Switch - 12 ports - L3 - smart
Enclosure Type	Rack-mountable
Subtype	10 Gigabit Ethernet
Ports	12 x 10GBase-T + 2 x 10 Gigabit SFP+
Performance	Forwarding rate (64-byte packets): 208.33 Mpps Switching capacity: 280 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	RIP-2, IGMPv2, IGMP, static IP routing, IGMPv3, policy-based routing (PBR), MLDv2, MLD, CIDR, MSTP, RSTP, STP, Bounjour
Remote Management Protocol	SNMP, RMON, Telnet, SNMP 3, SNMP 2c, HTTP, HTTPS, TFTP, SSH, SSH-2, CLI, SCP, ICMP, DHCP, RADIUS, Syslog
Features	BOOTP support, VLAN support, IGMP snooping, DoS attack prevention, port mirroring, DiffServ support, Broadcast Storm Control, High Availability, Multicast Storm Control, Unicast Storm Control, sFlow, DHCP snooping, DHCP server, MLD snooping, reset button, STP Root Guard, fanless, DHCP relay, Port Security, DHCP client, IGMP proxy, Protocol-based VLANs support, Storm Control, MLD proxy, IP source guard, ARP inspection, MAC address authentication, IGMP querier, VLAN mirroring, DNS client, VLAN management, LLDP-MED, Private VLAN, RA guard, Guest VLAN, STP loop guard, Energy-Efficient Ethernet (EEE), DSCP based CoS, MAC based VLAN, loopback detection, Telnet server, Telnet client, Unknown Storm Control, BPDU Guard, router advertisement guard, DHCPv6 guard, Q-in-Q tunnelling, IPv4 and IPv6 dual stack, Zero-Touch Deployment, cable length detection, Web authentication, PoE scheduling, trustworthy systems, layer 3 routing, dynamic routing, ACL support, eco-friendly button, Address Resolution Protocol, Auto Surveillance VLAN, CPE VLAN, TCP congestion, iSCSI traffic optimisation, chip guard, boot integrity, persistent PoE, time-based port operation, MSTP support, QoS, PVST+, LACP, GARP, GVRP, ToS, SCP, SCT,

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Main specifications	
	SSD, UDP, DoS protection, WRR, HoL Blocking Prevention, LAG, RPVST+, DAD, LLDP, path MTU discovery, STP support, CLI management, ATP, FHS, IPMB, NDP, RSTP, PVE, MVR, TPID, UDLD, DAI, Cisco NG PnP Protocol, RSPAN
Compliant Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3z, IEEE 802.1D, IEEE 802.1Q, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3af, IEEE 802.3x, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.1x, IEEE 802.3ae, IEEE 802.1s, IEEE 802.3an, IEEE 802.3at, IEEE 802.3az
Power	AC 100-240 V (50/60 Hz)
Dimensions (WxDxH)	44.5 cm x 24 cm x 4.4 cm
Weight	2.49 kg
General	
Device Type	Switch - 12 ports - L3 - smart
Enclosure Type	Rack-mountable
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Remote Management Protocol	SNMP, RMON, Telnet, SNMP 3, SNMP 2c, HTTP, HTTPS, TFTP, SSH, SSH-2, CLI, SCP, ICMP, DHCP, RADIUS, Syslog
Encryption Algorithm	MD5, SSL
Authentication Method	RADIUS, TACACS+
Features	BOOTP support, VLAN support, IGMP snooping, DoS attack prevention, port mirroring, DiffServ support, Broadcast Storm Control, High Availability, Multicast Storm Control, Unicast Storm Control, sFlow, DHCP snooping, DHCP server, MLD snooping, reset button, STP Root Guard, fanless, DHCP relay, Port Security, DHCP client, IGMP proxy, Protocol-based VLANs support, Storm Control, MLD proxy, IP source guard, ARP inspection, MAC address authentication, IGMP querier, VLAN mirroring, DNS client, VLAN

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General

management, LLDP-MED, Private VLAN, RA guard, Guest VLAN, STP loop guard, Energy-Efficient Ethernet (EEE), DSCP based CoS, MAC based VLAN, loopback detection, Telnet server, Telnet client, Unknown Storm Control, BPDU Guard, router advertisement guard, DHCPv6 guard, Q-in-Q tunnelling, IPv4 and IPv6 dual stack, Zero-Touch Deployment, cable length detection, Web authentication, PoE scheduling, trustworthy systems, layer 3 routing, dynamic routing, ACL support, eco-friendly button, Address Resolution Protocol, Auto Surveillance VLAN, CPE VLAN, TCP congestion, iSCSI traffic optimisation, chip guard, boot integrity, persistent PoE, time-based port operation, MSTP support, QoS, PVST+, LACP, GARP, GVRP, ToS, SCP, SCT, SSD, UDP, DoS protection, WRR, HoL Blocking Prevention, LAG, RPVST+, DAD, LLDP, path MTU discovery, STP support, CLI management, ATP, FHS, IPMB, NDP, RSTP, PVE, MVR, TPID, UDLD, DAI, Cisco NG PnP Protocol, RSPAN

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Processor

X ARM: 1.4 GHz

RAM

1 GB DDR4 SDRAM

Flash Memory

512 MB

Status Indicators

System, PoE, link/activity/speed

Expansion / Connectivity

Interfaces

12 x 10GBase-T SFP+
2 x 10GBase-X SFP+
1 x console RJ-45
1 x USB-C console
1 x USB
1 x RJ-45

Power

Power Device

Internal power supply

Voltage Required

AC 100-240 V (50/60 Hz)

Miscellaneous

Included Accessories

Mounting kit, pointer card

MTBF

2,165,105 hours

Compliant Standards

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

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Miscellaneous	
	RFC4330, RFC4007, RFC3484, RFC5214, RFC4293, RFC3595
Dimensions & Weight	
Width	44.5 cm
Depth	24 cm
Height	4.4 cm
Weight	2.49 kg
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)