

Cisco Catalyst 1300X-10NU-2X (C1300X-10NU-2X)

Cisco Catalyst 1300X-10NU-2X - Switch - L3 - Managed - 2 x 10 Gigabit SFP28 + 10 x 1/2.5/5GBase-T (PoE++) - rack-mountable - PoE++ (385 W)

The Cisco Catalyst 1300X-10NU-2X offers a networking solution designed to support advanced switching tasks with performance metrics. It features a switching capacity of 140 Gbps and a forwarding rate of 104.16 Mpps, making it well-suited for environments that demand high throughput. This model supports a maximum of 8 units in a stack, facilitating scalability to meet networking needs. Equipped with a MAC Address Table Size of 32,000 entries and supports networking standards such as IEEE 802.3 and IEEE 802.1, it is a choice for modern data center operations. The Cisco Catalyst 1300X includes features like VLAN management, PoE++ support with a budget of 385 W, and offers remote management protocols, ensuring operational oversight. Its eco-friendly design promotes energy-efficient operation without compromising functionality.

Key Selling Points

- Switching capacity of 140 Gbps enhances network efficiency
- Supports up to 8 units in a stack for easy expansion
- VLAN management and PoE++ support for versatile deployment
- MAC Address Table Size supports large networks
- Flexible remote management protocols ensure comprehensive control

Product Features

- Robust performance**
With a forwarding rate of 104.16 Mpps, this switch ensures high-speed data transfer and minimizes latency, making it a choice for demanding applications.
- Extensive connectivity options**
The Cisco Catalyst 1300X supports various ports including 10 Gigabit SFP28 and PoE++ for enhanced connectivity, enabling integration into existing networks.
- Comprehensive management capabilities**
Equipped with multiple remote management protocols, including SNMP and HTTP, it allows for monitoring and control of the network infrastructure.
- Scalable architecture**
Supporting up to 8 units in a stack, the switch can easily expand to accommodate network demands, ensuring long-term investment.
- High durability**
Designed for a wide operating temperature range from -5°C to 50°C, it operates effectively under various environmental conditions, ensuring reliability in diverse settings.

Main Specifications

Product Description	Cisco Catalyst 1300X-10NU-2X - switch - 10 ports - Managed - rack-mountable
Device Type	Switch - 10 ports - L3 - Managed - stackable
Enclosure Type	Rack-mountable
Subtype	Gigabit Ethernet
Ports	2 x 10 Gigabit SFP28 + 10 x 1/2.5/5GBase-T (PoE++)
Power Over Ethernet (PoE)	PoE++
PoE Budget	385 W
Performance	Forwarding rate (64-byte packets): 104.16 Mpps Switching capacity: 140 Gbps
Capacity	MSTP instances: 16 RPVST+ instances: 126 Link aggregation groups: 8 Link aggregation ports: 16 VLAN entries: 4094 IGMP multicast groups: 4000 IPv4 routes: 7168 IPv4 interfaces: 256 ACL rules: 3072 Priority queues: 8 Packet buffer size: 3 MB Link aggregation groups: up to 8 Link aggregation ports per channel: up to 8
MAC Address Table Size	32000 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, OSPF, RIP, OSPFv2, OSPFv3
Remote Management Protocol	CLI, SNMP, Telnet, SSH, SSH-2, DHCP, SCP, HTTPS, HTTP, ICMP, TFTP, Syslog, SNMP 2c, SNMP 3, RMON

Features	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, time-based port operation, cable length detection, LLDP, LLDP-MED, reset button, persistent PoE, SSD
Compliant Standards	IEEE 802.1p, IEEE 802.1x, IEEE 802.1D, IEEE 802.1w, IEEE 802.1s, IEEE 802.1Q, IEEE 802.1ab (LLDP), IEEE 802.3, IEEE 802.3ad (LACP), IEEE 802.3ae, IEEE 802.3an, IEEE 802.3at, IEEE 802.3az, IEEE 802.3bt, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.3z
Power	AC 100-240 V (50 - 60 Hz)
Dimensions (WxDxH)	26.8 cm x 30.8 cm x 4.394 cm
Weight	3.03 kg
Manufacturer Warranty	Limited lifetime warranty

Extended Specification

General

Device Type	Switch - 10 ports - L3 - Managed - stackable
Enclosure Type	Rack-mountable
Subtype	Gigabit Ethernet
Ports	2 x 10 Gigabit SFP28 + 10 x 1/2.5/5GBase-T (PoE++)
Power Over Ethernet (PoE)	PoE++
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Performance	Forwarding rate (64-byte packets): 104.16 Mpps ¦ Switching capacity: 140 Gbps
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Max Units In A Stack	8
Routing Protocol	STP, static IP routing, RSTP, MSTP, IGMP, IGMPv2, IGMPv3, CIDR, RIP-2, policy-based routing (PBR), MLD, MLDv2, OSPF, RIP, OSPFv2, OSPFv3
Remote Management Protocol	CLI, SNMP, Telnet, SSH, SSH-2, DHCP, SCP, HTTPS, HTTP, ICMP, TFTP, Syslog, SNMP 2c, SNMP 3, RMON
Encryption Algorithm	MD5, SSL
Authentication Method	RADIUS, TACACS+, Secure Shell (SSH), Secure Shell v.2 (SSH2)
Features	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, time-based port operation, cable length detection, LLDP, LLDP-MED, reset button, persistent PoE, SSD
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Processor	X ARM: 1.5 GHz
RAM	2 GB DDR4 SDRAM
Flash Memory	1 GB
Built-in Devices	1 x fan
Status Indicators	System, link/activity/speed, PoE

Expansion / Connectivity

Interfaces	10 x 100/1000/2.5G/5GBase-T RJ-45 PoE++ - 60 W ¦ 2 x 10GBase-X SFP28 uplink ¦ 1 x console RJ-45 ¦ 1 x USB-C console
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Manufacturer Warranty

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

Included Accessories	Pointer card, mounting kit
MTBF	470,352 hours
Compliant Standards	Plug and Play, UL 62368, CSA 22.2, FCC CFR47 Part 15 A, 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	26.8 cm
Depth	30.8 cm
Height	4.394 cm
Weight	3.03 kg

What's in the box

Cisco Catalyst 1300X-10NU-2X
Mounting kit, pointer card

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