

Cisco Catalyst 1000-24T-4G-L - switch - 24 ports - Managed - rack-mountable(C1000-24T-4G-L)

Cisco Catalyst 1000-24T-4G-L - Switch - Managed - 24 x 10/100/1000 + 4 x Gigabit SFP (uplink) - rack-mountable

The Cisco Catalyst 1000-24T-4G-L Network Switch is an enterprise-class fixed managed Gigabit Ethernet Layer 2 switch designed for small businesses and branch offices. This simple, flexible and secure network switch is ideal for critical IoT (Internet of Things) deployments. It operates on Cisco IOS Software and features a CLI (command-line interface) as well as an intuitive web user interface.



Key Selling Points

- Perpetual PoE+ support with a power budget of up to 740W
- CLI and/or intuitive web UI manageability options
- Network monitoring through sampled Flow (sFlow)
- Security with 802.1x support for connected devices, Switched Port Analyzer (SPAN), and Bridge Protocol Data Unit (BPDU) Guard
- Device management support with over-the-air access via Bluetooth, Simple Network Management Protocol (SNMP), RJ-45, or USB console access
- Reliability with a higher Mean Time Between Failures (MTBF)

Product Features

HARDWARE CONFIGURATION

24 10/100/1000 Gigabit Ethernet (GbE) Data ports, 4 SFP uplink ports

MANAGEMENT

Manage the switch via the Cisco IOS CLI (command-line interface) and/or intuitive web UI. Centrally monitor and configure up to 8 switches via a Single IP or with any third party network management tool

SECURITY

Enterprise Class Security which natively supports IPv4/IPv6 FHS Security features such as port security, DHCP snooping, dynamic ARP inspection which can easily be configured using a Single 'Auto-Secure' command along with 802.1x support for all connected devices

Enterprise Class Hardware

Tamper-proof switch designed with the best of Cisco's trustworthy solutions technologies like HW anchored secure boot and Trust anchor Module to ensure you get an authentic and secure product

PEACE OF MIND

Enhanced limited lifetime warranty

Main Specifications

Product Description	Cisco Catalyst 1000-24T-4G-L - switch - 24 ports - Managed - rack-mountable
Device Type	Switch - 24 ports - Managed
Enclosure Type	Rack-mountable
Subtype	Gigabit Ethernet
Ports	24 x 10/100/1000 + 4 x Gigabit SFP (uplink)
Performance	Forwarding bandwidth: 28 Gbps Switching bandwidth: 56 Gbps Forwarding rate (64 byte L3 packets): 41.67 Mpps

Capacity	Unicast MAC addresses: 15360 IPv4 unicast direct routes: 542 IPv4 unicast indirect routes: 256 IPv6 unicast direct routes: 414 IPv6 unicast indirect routes: 128 IPv4 routes (static): 16 IPv6 routes (static): 16 IPv4 routes (Multicast): 1024 IPv6 groups (Multicast): 1024 IPv4/MAC security ACEs: 600 IPv6 security ACEs: 600 Active VLANs: 256 VLAN IDs: 4094 STP instances: 64 SPAN sessions: 4 MTU-L3 packet: 9198 byte
Jumbo Frame Support	10240 bytes
Routing Protocol	IGMP, MLDv2, MLD, MSTP, RSTP, STP
Remote Management Protocol	SNMP 1, RMON 1, RMON 2, Telnet, SNMP 3, SNMP 2c, HTTP, TFTP, SSH, SSH-2, CLI, NTP, ICMP, DHCP, RSTP, TACACS+, RADIUS
Features	BOOTP support, ARP support, auto-uplink (auto MDI/MDI-X), IDS, Broadcast Storm Control, Multicast Storm Control, Unicast Storm Control, Dying Gasp support, sFlow, DHCP snooping, DTP support, PAgP support, ACL support, QoS, UDLD, Rapid PVST+, fanless, SRR, LACP support, LLDP support, MAC Address Notification, Energy Efficient Ethernet, MIB, CoS, 802.1x authentication, DSCP support, IGMP filtering, IP source guard, WTD, SmartPort technology, VTP, STRG, AAA, UDP, proxy ARP, SPAN, loopback detection, MAB, BPDU Guard, NEAT
Compliant Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3z, IEEE 802.1D, IEEE 802.1Q, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3x, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.1x, IEEE 802.1s, IEEE 802.3ah, IEEE 802.1ab (LLDP), IEEE 802.3az, Bluetooth 4.0, IEEE 802.1AX
Power	AC 120/230 V (50 - 60 Hz)
Dimensions (WxDxH)	44.5 cm x 24 cm x 4.39 cm
Weight	2.63 kg
Manufacturer Warranty	Limited lifetime warranty

Extended Specification

General

Device Type	Switch - 24 ports - Managed
Enclosure Type	Rack-mountable
Subtype	Gigabit Ethernet
Ports	24 x 10/100/1000 + 4 x Gigabit SFP (uplink)
Performance	Forwarding bandwidth: 28 Gbps Switching bandwidth: 56 Gbps Forwarding rate (64 byte L3 packets): 41.67 Mpps
Capacity	Unicast MAC addresses: 15360 IPv4 unicast direct routes: 542 IPv4 unicast indirect routes: 256 IPv6 unicast direct routes: 414 IPv6 unicast indirect routes: 128 IPv4 routes (static): 16 IPv6 routes (static): 16 IPv4 routes (Multicast): 1024 IPv6 groups (Multicast): 1024 IPv4/MAC security ACEs: 600 IPv6 security ACEs: 600 Active VLANs: 256 VLAN IDs: 4094 STP instances: 64 SPAN sessions: 4 MTU-L3 packet: 9198 byte
Jumbo Frame Support	10240 bytes
Routing Protocol	IGMP, MLDv2, MLD, MSTP, RSTP, STP
Remote Management Protocol	SNMP 1, RMON 1, RMON 2, Telnet, SNMP 3, SNMP 2c, HTTP, TFTP, SSH, SSH-2, CLI, NTP, ICMP, DHCP, RSTP, TACACS+, RADIUS
Authentication Method	Kerberos, Secure Shell (SSH), RADIUS, TACACS+, Secure Shell v.2 (SSH2)

Features	BOOTP support, ARP support, auto-uplink (auto MDI/MDI-X), IDS, Broadcast Storm Control, Multicast Storm Control, Unicast Storm Control, Dying Gasp support, sFlow, DHCP snooping, DTP support, PAgP support, ACL support, QoS, UDLD, Rapid PVST+, fanless, SRR, LACP support, LLDP support, MAC Address Notification, Energy Efficient Ethernet, MIB, CoS, 802.1x authentication, DSCP support, IGMP filtering, IP source guard, WTD, SmartPort technology, VTP, STRG, AAA, UDP, proxy ARP, SPAN, loopback detection, MAB, BPDU Guard, NEAT
----------	---

Compliant Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3z, IEEE 802.1D, IEEE 802.1Q, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3x, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.1x, IEEE 802.1s, IEEE 802.3ah, IEEE 802.1ab (LLDP), IEEE 802.3az, Bluetooth 4.0, IEEE 802.1AX
---------------------	--

Processor	X ARM: 800 MHz
-----------	----------------

RAM	512 MB
-----	--------

Flash Memory	256 MB
--------------	--------

Status Indicators	Status
-------------------	--------

Expansion / Connectivity

Interfaces	24 x 1000Base-T RJ-45 4 x 1000Base-X SFP uplink 1 x management RJ-45 1 x mini-USB Type B 1 x USB Type A
------------	---

Manufacturer Warranty

Service & Support	Limited warranty - replacement - lifetime - response time: next business day Technical support - consulting - 90 days
-------------------	---

Miscellaneous

MTBF	2,026,793 hours
------	-----------------

Compliant Standards	CISPR 22 Class A, CISPR 24, EN 61000-3-2, EN 61000-3-3, EN55024, AS/NZS 60950-1, ICES-003 Class A, EN 61000-4-5, RoHS, UL 60950-1 Second Edition, EN 60950-1 Second Edition, IEC 60950-1 Second Edition, Directive 2011/65/EU, VCCI Class A, KN24, KN22 Class A, EN 55022 Class A, FCC CFR47 Part 15 A, CNS 13438 Class A, EN 300 386, CAN/CSA-C22.2 No. 60950-1-07 Second Edition, AS/NZS CISPR22 Class A
---------------------	--

Power

Power Device	Internal power supply
--------------	-----------------------

Installed Qty	1
---------------	---

Voltage Required	AC 120/230 V (50 - 60 Hz)
------------------	---------------------------

Environmental Parameters

Min Operating Temperature	-5 °C
---------------------------	-------

Max Operating Temperature	50 °C
---------------------------	-------

Humidity Range Operating	5 - 90%
--------------------------	---------

Min Storage Temperature	-25 °C
-------------------------	--------

Max Storage Temperature	70 °C
-------------------------	-------

Humidity Range Storage	5 - 95%
------------------------	---------

Dimensions & Weight

Width	44.5 cm
-------	---------

Depth	24 cm
-------	-------

Height	4.39 cm
--------	---------

Weight	2.63 kg
--------	---------

What's in the box

C1000-24T-4G-L Switch, Accessory Kit, 1 printed document

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