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## Overview

Cisco Catalyst 2960X Series 24 ports LAN Base stackable switch is comprised of 24 Ethernet 10/100/1000 ports and 2 \* 10G SFP+ uplink interfaces.

## Quick Specification

Product Code	WS-C2960X-24TD-L
Enclosure Type	Rack-mountable - 1U
Feature Set	LAN Base
Uplink Interfaces	2 x 10G SFP+
Ports	24 x Ethernet 10/100/1000 Gigabit ports
Available PoE Power	None
Maximum stacking number	8
Stack bandwidth	80G
Forwarding Bandwidth	95.2Mpps
Switching Bandwidth	216Gbps
RAM	512MB
Flash Memory	128MB
Dimensions	44.5 cm x 27.9 cm x 4.5 cm
Package Weight	9.19 Kg



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## Product Details:

### The Front Panel:



①	Ethernet management port
②	Mode button
③	Switch LEDs
④	USB mini-Type B(console) port
⑤	USB Type A ports
⑥	24*10/100/1000 ports
⑦	SFP module ports
⑧	CONSOLE LED
⑨	MGMT LED
⑩	RJ-45 console port

### The Back Panel:



①	FlexStack-Plus module slot and cover
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②	Fan Exhaust
③	RPS Connector
④	AC power connector

## The stackable capacity

This C2960X switch delivers stackable capacity that supports up to 8 switches stacking with same 2960-X LAN base series. It also can stack up to 4 switches stacking when mixed with 2960-S LAN base series switches.



## Accessories For C2960CX:

### Modules and Cables:

Part number	Description
<a href="#">C2960X-STACK</a>	Catalyst 2960-X FlexStack Plus Stacking Module
CAB-STK-E-0.5M	Cisco FlexStack Stacking Cables
<a href="#">GLC-LH-SMD</a>	Cisco GLC-LH-SMD 1000BASE-LX/LH SFP transceiver module, MMF/SMF, 1310nm, DOM
<a href="#">GLC-SX-MMD</a>	1000BASE-SX SFP transceiver module, MMF, 850nm, DOM
<a href="#">CAB-CONSOLE-RJ45</a>	Console Cable 6ft with RJ45 and DB9F
<a href="#">CAB-CONSOLE-USB</a>	Console Cable 6 ft with USB Type A and mini-B

Get more information:

Do you have any question about WS-C2960X-24TD-L?

Contact us now via e-mail: [info@hi-network.com](mailto:info@hi-network.com)



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## Specific Data Sheet:

Model	WS- C2960X-24TD-L
Enclosure type	Rack-mountable - 1U
Ports	24 x 10/100/1000 + 2 x 10G SFP+
Network management Interface	10/100 Mbps Ethernet (RJ-45)
Available PoE Power	None
Forwarding bandwidth(Gbps)	108Gbps
Maximum stacking number	8
Stack Bandwidth	80G
Forwarding Performance	95.2Mpps
Switching bandwidth	216Gbps
Maximum active VLANs	1023
MAC Address Table Size	16K (default)
CPU	APM86392 600MHz dual core
RAM	256 MB
Flash Memory	64 MB
Status Indicators	Per-port status: Link integrity, disabled, activity, speed, and full duplex System status: System, RPS, Stack link status, link duplex and link speed
Expansion / Connectivity	
Console ports	USB (Type-B), Ethernet (RJ-45)
Stacking cable	Optional
Power Redundancy	Option (PWR-RPS2300)
Voltage range (Auto)	110V-240V
Power Consumption Operational	0.034KVA
Miscellaneous	
Width	17.5 Inches (44.5 cm)
Depth	11.0 Inches (27.9 cm)
Height	1.75 Inches (4.5 cm)
Package Weight	20.26 lb (9.19 Kg)
Weight	8.9 lb (4.0 Kg)
Rack Mounting Kit	optional
MTBF in hours	569,520
Compliant Standards	IEEE 802.1D Spanning Tree Protocol IEEE 802.1p CoS Prioritization





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	<p>IEEE 802.1Q VLAN</p> <p>IEEE 802.1s</p> <p>IEEE 802.1w</p> <p>IEEE 802.1X</p> <p>IEEE 802.1ab (LLDP)</p> <p>IEEE 802.3ad</p> <p>IEEE 802.3af and IEEE 802.3at</p> <p>IEEE 802.3ah (100BASE-X single/multimode fiber only)</p> <p>IEEE 802.3x full duplex on 10BASE-T, 100BASE-TX, and 1000BASE-T ports</p> <p>IEEE 802.3 10BASE-T</p> <p>IEEE 802.3u 100BASE-TX</p> <p>IEEE 802.3ab 1000BASE-T</p> <p>IEEE 802.3z 1000BASE-X</p> <p>RMON I and II standards</p> <p>SNMP v1, v2c, and v3</p> <p>IEEE 802.3az</p> <p>IEEE 802.1ax</p>
System software / license	
System software	IOS LAN BASE
license	NERGY-MGT-100-K9, EW-DO-100-DE
Features	<p>RPS Support</p> <p>Jumbo Frames</p> <p>VLANS</p> <p>Voice Vlan</p> <p>VTPv2</p> <p>CDPv2</p> <p>LLDP</p> <p>802.3ad LACP</p> <p>PVST/PVST+</p> <p>802.1W/802.1S</p> <p>Port Fast/Uplink Fast</p> <p>port CoS Trust and Override</p> <p>Scheduling</p> <p>Priority Queuing</p> <p>Configure CoS Priority Queues</p> <p>Weighted Tail Drop</p> <p>DSCP transparency</p>
Network security	<p>SSH, SSL and SCP</p> <p>RADIUS and TACACS+</p> <p>SNMPv3 crypto</p> <p>802.1x</p> <p>802.1x Accounting / MIB</p> <p>802.1x w/ portsecurity</p> <p>802.1x w/Voice VLAN</p>





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	<ul style="list-style-type: none"> <li>802.1x Guest VLAN</li> <li>802.1x VLAN assignment</li> <li>802.1x MAC-Auth Bypass</li> <li>BPDU/Root Guard</li> <li>Port Security</li> <li>Private VALN Edge</li> <li>Storm Control</li> <li>Block unknown unicast andmulticast</li> <li>IGMP Snooping</li> <li>IGMP Filter/Throttle</li> </ul>
Management and Troubleshooting	<ul style="list-style-type: none"> <li>Auto-MDOX</li> <li>TDR</li> <li>UDLD</li> <li>IP SLA Responder</li> <li>layer 2 / IP Traceroute</li> <li>SPAN</li> <li>RSPAN</li> <li>Express Setup</li> <li>Device Manager</li> <li>Cisco Network Assistant</li> <li>Smartports + Advisor</li> <li>Troubleshooting Advisor</li> <li>Drag-and-drop Cisco IOS Upgrade</li> <li>IP Address DHCP</li> <li>Autoinstall with saved configuration</li> <li>Configuration Replace</li> <li>DHCP Auto Image Upgrade</li> <li>DHCP Port Based Allocation</li> <li>Error Disable MIB</li> </ul>
Environmental Ranges	
Operating temperature up to 5000 ft (1500 m)	23°F to 113°F
Operating temperature up to 10,000 ft (3000 m)	23°F to 104°F
Short-term exception at sea level*	23°F to 131°F
Short-term exception up to 5000 feet (1500 m)*	23°F to 122°F
Short-term exception up to 10,000 feet (3000 m)*	23°F to 113°F
Short-term exception up to 13,000 feet (4000 m)*	23° to 104°F
Storage temperature up to 15,000 feet (4573 m)	-13° to 158°F
Operating altitude	Up to 10,000 feet
Storage altitude	Up to 13,000 feet
Operating relative humidity	10% to 95% noncondensing
Storage relative humidity	10% to 95% noncondensing





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