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## Overview

Cisco Catalyst 2960X-24TS-LL LAN Lite Layer 2 switch provides standalone mode with no FlexStack plus supporting and no NetFlow lite features.

## Quick Specification

Product Code	WS-C2960X-24TS-LL
Enclosure Type	Rack-mountable – 1U
Feature Set	LAN Lite
Uplink Interfaces	2 x 1G SFP
Ports	24 x Ethernet 10/100/1000 Gigabit ports
Forwarding Performance	50Gbps
Switching Bandwidth	100Gbps
RAM	256 MB
Flash Memory	64 MB
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	SFP module ports
⑦	24 x 10/100/1000 ports
⑧	CONSOLE LED
⑨	MGMT LED
⑩	RJ-45 console port

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## The Back Panel:



①	Fan exhaust
②	RPS connector
③	AC power connector

## Accessories For WS-C2960X:

### Recommended Elements:

Model	Description
<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-24TS-LL?

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

## Specific Data Sheet:

Product Number	WS-2960X-24TS-LL
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# WS-C2960X-24TS-LL Datasheet



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enclosure type	Rack-mountable - 1U
Ports	24 x 10/100/1000 + 2 x 1G SFP
Network management Interface	10/100 Mbps Ethernet (RJ-45)
Available PoE Power	None
Forwarding bandwidth(Gbps)	50Gbps
Maximum stacking number	None
Stack Bandwidth	None
Forwarding Performance	68.5Mpps
Switching bandwidth	100Gbps
Maximum active VLANs	64
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, PoE, and link speed
0% traffic	46.7
Console ports	USB (Type-B), Ethernet (RJ-45)
Stacking cable	Optional
Power Redundancy	Option (PWR-RPS2300)
Voltage range (Auto)	110V-240V
Power Consumption Operational	0.035KVA
Width	17.5 Inches (44.5 cm)
Depth	11 Inches (27.9 cm)
Height	1.75 Inches (4.5 cm)
Package Weight	8.2 Pounds (9.19Kg)
Weight	20.26 Pounds (3.7Kg)
Rack Mounting Kit	optional
MTBF in hours	622,350
Compliant Standards	IEEE 802.1D Spanning Tree Protocol IEEE 802.1p CoS Prioritization IEEE 802.1Q VLAN IEEE 802.1s IEEE 802.1w IEEE 802.1X IEEE 802.1ab (LLDP) IEEE 802.3ad





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	<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 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	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> <p>802.1x Guest VLAN</p> <p>802.1x VLAN assignment</p> <p>802.1x MAC-Auth Bypass</p> <p>BPDU/Root Guard</p> <p>Port Security</p> <p>Private VALN Edge</p> <p>Storm Control</p> <p>Block unknown unicast andmulticast</p> <p>IGMP Snooping</p>





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	IGMP Filter/Throttle IGMP Filter/Throttle
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>
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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