WS-C2960XR-24TS-I Datasheet

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Overview

Cisco Catalyst 2960XR-24TS-I IP Lite Base layer 2 - 3 stackable switch is comprised of 24 x 10/100/1000 Ethernet ports and 4 x SFP uplink interfaces.

Quick Specs

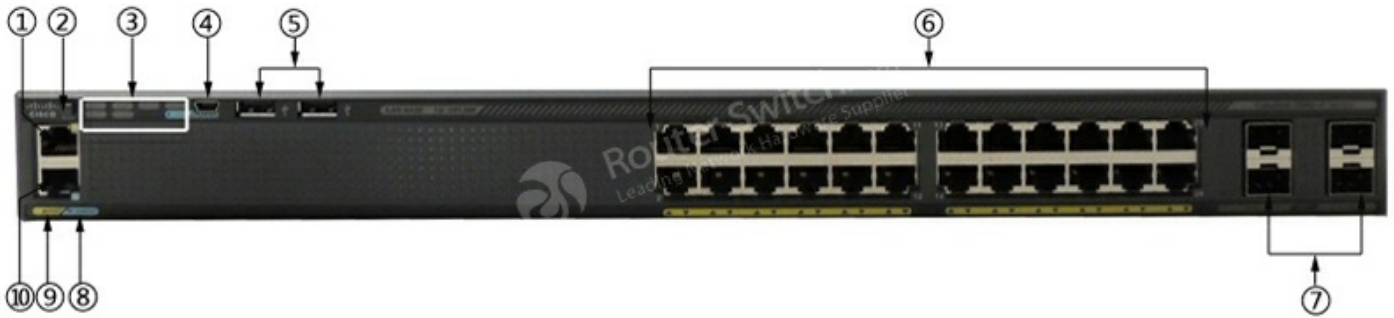**Figure 1 shows the appearance of WS-C2960XR-24TS-I.**

Table 1 shows the Quick Specs.

Product Code	WS-C2960XR-24TS-I
Enclosure Type	Rack-mountable - 1U
Feature Set	IP Lite
Uplink Interfaces	4 x 1G SFP
Ports	24 x 10/10/1000 Ethernet Gigabit ports
Forwarding Bandwidth	108Gbps
Maximum stacking number	8
Stack bandwidth	80G
Switching Bandwidth	216Gbps
RAM	512MB
Flash Memory	128MB
Dimensions	44.5 cm x 40.8 cm x 4.45 cm
Package Weight	17.49 Kg

Product Details

Figure 2 shows the front panel of WS-C2960XR-24TS-I.

Note:

(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 Switch LEDs include SYST, STAT, SPEED, IRPS, MAST, STACK and console port LEDs.

·The IRPS LED is only available on Catalyst 2960-XR switches.

·**Table 2 shows the IPRS LED description.**

IPRS LED Color	RPS Status
Off	Second power supply is not present.
Green	Both power supplies are present and operating.
Amber	The second power supply is present, but the input is not connected.
Blinking amber	The second power supply is present, but the signal is faulty.

The Accessories

Table 3 shows some accessories of WS-C2960XR-24TS-I.

Models	Description
C2960X-STACK	Catalyst 2960-X FlexStack Plus Stacking Module
CAB-STK-E-0.5M	Cisco FlexStack Stacking Cables
GLC-LH-SM	GE SFP, LC connector LX/LH transceiver
GLC-SX-MMD	1000BASE-SX SFP transceiver module, MMF, 850nm, DOM
CAB-CONSOLE-RJ45	Console Cable 6ft with RJ45 and DB9F
CAB-CONSOLE-USB	Console Cable 6 ft with USB Type A and mini-B

Compare to Similar Items

Table 4 shows the comparison of similar items.

Models	WS-C2960XR-24TS-I	WS-C2960X-24TS-LL
Ports	24 x 10/100/1000 Ethernet Ports	24 x 10/100/1000 Ethernet Ports
Uplinks	4 x SFP	2 x SFP
Feature Set	IP Lite	LAN Lite
FlexStack-Plus Stacking	Optional	N/A

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Do you have any question about the Cisco Catalyst 2960XR-24TS-I switch?

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Specification

WS-C2960XR-24TS-I Specification	
Enclosure type	Rack-mountable - 1U
Ports	24 x 10/100/1000 + 4 x 1G 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	71.4Mpps
Switching bandwidth	216Gbps
Maximum active VLANs	1023
MAC Address Table Size	16K (default)
CPU	APM86392 600MHz dual core
RAM	512 MB
Flash Memory	128 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)
Expansion Slot(s)	1 FlexStack-Plus slot and 1 power redundant slot
Stack Modules	C2960X-STACK
Stacking cable	● CAB-STK-E-0.5M FlexStack-Plus stacking cable with a 0.5 m length ● CAB-STK-E-1M FlexStack-Plus stacking cable with a 1.0 m length ● CAB-STK-E-3M FlexStack-Plus stacking cable with a 3.0 m length
Power supply	PWR-C2-250WAC
Power Device	Power supply - redundant - plug-in module
Power Redundancy	optional
Voltage range (Auto)	110V-240V
Power Consumption Operational	0.038kVA
Miscellaneous	
Width	17.5 Inches (44.5 cm)

Depth	16 Inches (40.8 cm)
Height	1.75 Inches (4.45 cm)
Weight	13.0 Pounds (5.9Kg)
Package Weight	38.56 Pounds (17.49 Kg)
Rack Mounting Kit	Optional
MTBF in hours	557,320
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 ● IEEE 802.3af and IEEE 802.3at ● IEEE 802.3ah (100BASE-X single/multimode fiber only) ● IEEE 802.3x full duplex on 10BASE-T, 100BASE-TX, and 1000BASE-T ports ● IEEE 802.3 10BASE-T ● IEEE 802.3u 100BASE-TX ● IEEE 802.3ab 1000BASE-T ● IEEE 802.3z 1000BASE-X ● RMON I and II standards ● SNMP v1, v2c, and v3 ● IEEE 802.3az ● IEEE 802.3ae 10Gigabit Ethernet ● IEEE 802.1ax

System software / license	
System software	IOS IP Lite
license	ENERGY-MGMT, ENERGY-MGT-100-K9
features	● IP unicast routing protocols (Static, Routing Information Protocol Version 1 [RIPv1], RIPv2, RIPng, and EIGRP-Stub) ● Advanced IP unicast routing protocols (OSPF for Routed Access) ● EIGRPv3-Stub and PIMv6-Stub are supported as a part of the IPv6 routing suite. ● Equal-cost routing ● Policy-based routing (PBR) ● Hot Standby Routing Protocol (HSRP) and Virtual Router Redundancy Protocol (VRRP) ● Protocol Independent Multicast (PIM)
Network security	● MAC-based VLAN assignment enables ● Cisco TrustSec uses ● Comprehensive 802.1X ● IPv6 First-Hop Security ● Device Sensor and Device Classifier ● Cisco Trust Anchor Technology ● Cisco Threat Defense ● Private VLANs ● Unicast Reverse Path Forwarding (uRPF) ● Multidomain Authentication ● Access Control Lists (ACLs) ● Switched Port Analyzer (SPAN) ● Secure Shell (SSH) Protocol, Kerberos, and Simple Network Management Protocol Version 3 (SNMPv3) ● TACACS+ and RADIUS authentication ● MAC Address Notification ● Multilevel security on console access BPDU Guard ● Spanning Tree Root Guard (STRG) ● IGMP filtering
Management & Troubleshooting	● Auto-MDOX ●TDR ● UDLD ● IP SLA Responder ● layer 2 / IP Traceroute ● SPAN ● RSPAN ● Express Setup ● Device Manager ● Cisco Network Assistant ● Smartports + Advisor ● Troubleshooting Advisor ● Drag-and-drop Cisco IOS Upgrade ● IP Address DHCP ● Autoinstall with saved configuration ● Configuration Replace ● DHCP Auto Image Upgrade ● DHCP Port Based Allocation ● Error Disable MIB
Technical Support and Services	● Cisco SMARTnet Service ● Cisco Smart Foundation Service ● Cisco Smart Care Service ● Cisco SP Base Service ● Cisco Focused Technical Support Services

Environmental Ranges	
Operating temperature up to 5000 ft (1500 m)	23ºF to 113º (-5ºC to 45ºC)
Operating temperature up to 10,000 ft (3000 m)	23ºF to 104ºF (-5ºC to 40ºC)

Short-term exception at sea level*	23ºF to 131ºF (-5ºC to 55ºC)
Short-term exception up to 5000 feet (1500 m)*	23ºF to 122ºF (-5ºC to 50ºC)
Short-term exception up to 10,000 feet (3000 m)*	23ºF to 113ºF (-5ºC to 45ºC)
Short-term exception up to 13,000 feet (4000 m)*	23º to 104ºF (-5ºC to 40ºC)
Storage temperature up to 15,000 feet (4573 m)	-13º to 158ºF (-25º to 70ºC)
Operating altitude	Up to 10,000 (Up to 3000 Meters)
Storage altitude	Up to 13,000 (Up to 4000 Meters)
Operating relative humidity	10% to 95% noncondensing
Storage relative humidity	10% to 95% noncondensing

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