

WS-C2960XR-24PS-I Datasheet



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Overview

Cisco catalyst 2960XR-24PS-L IP Lite Base layer 2 - 3 stackable switch is comprised of 24 * 10/100/1000 Ethernet ports with POE+ and 4 SFP uplink interfaces. IP Lite Image enables basic access layer 3 routing features, such as RIPV1, V2, OSPF stub, EIGRP stub, HSRP, VRRP, PIM stub, etc.



Quick Spec

Table 1 shows the Quick Specs.

Product Code	WS-C2960XR-24PS-I
Enclosure Type	Rack-mountable - 1U
Feature Set	IP Lite
Uplink Interfaces	4 x 1G SFP
Ports	24 x 10/100/1000 (POE+)
Available PoE Power	370W
Forwarding Bandwidth	108Gbps
Maximum stacking number	8
Stack bandwidth	80G
Switching Bandwidth	216Gbps
RAM	512 MB
Flash Memory	128 MB
Dimensions (H x D x W)	4.45 x 40.8 x 44.5 cm
Package Weight	16.15 Kg

Product Details

Note 1:

- There are twenty-four 10/100/1000 Ethernet Gigabit Ports and four 1G SFP+ uplinks on the front panel.
- Two USB Type A ports and one USB mini-Type B (console) port are on the left.
- This switch offers one RJ-45 console port and one Ethernet management port on the left of the front panel.
- Power over Ethernet Plus (PoE+) supports up to 370W of PoE budget for 12 ports with 30W per port or 24 ports with 15.4W per port

Note 2:

The WS-C2960XR-24PS-I supports stacking with the optional stack kit. It has the FlexStack-Plus module (hot-swappable) that inserts in the slot located in the switch rear panel, and a 0.5-meter FlexStack cable to connect the FlexStack-Plus module ports. The stack module should purchase separately.



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The Accessories

Table 1 shows the Quick Specs.

Models	Description
C2960X-STACK	Catalyst 2960-X FlexStack Plus Stacking Module
CAB-STK-E-0.5M	Cisco FlexStack Stacking Cables
GLC-LH-SMD	Cisco GLC-LH-SMD 1000BASE-LX/LH SFP transceiver module, MMF/SMF, 1310nm, DOM
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

Specification

WS-C2960XR-24PS-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	370W
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, PoE, 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	0.46kVA



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Miscellaneous	
Width	inches (44.5 cm)
Depth	16 Inches (40.8 cm)
Height	1.75 Inches (4.45 cm)
Weight	13.7 Pounds (6.2Kg)
Package Weight	35.6 Pounds (16.15 Kg)
Rack Mounting Kit	Optional
MTBF in hours	321290
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, RIPv6, 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



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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)	23°F to 113° (-5°C to 45°C)
Operating temperature up to 10,000 ft (3000 m)	23°F to 104°F (-5°C to 40°C)
Short-term exception at sea level*	23°F to 131°F (-5°C to 55°C)
Short-term exception up to 5000 feet (1500 m)*	23°F to 122°F (-5°C to 50°C)
Short-term exception up to 10,000 feet (3000m)*	23°F to 113°F (-5°C to 45°C)
Short-term exception up to 13,000 feet (4000 m)*	23° to 104°F (-5°C to 40°C)
Storage temperature up to 15,000 feet (4573 m)	-13° to 158°F (-25° to 70°C)
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

Contact Us

Mobile : +213661211200 / +213661211201 / +213661211202 / +213661211203

Phone : +213 23 34 84 10 / +213 23 34 84 09

FAX : +213 23 34 84 69

Website: www.hactel.com / Email: info@hactel.com

Headquarters : Villa N° 79, lotissement D, Rue d'el Commune El Achour, Alger 16104

