CISCO2951/K9 Datasheet

Get a Quote

Overview

The Cisco 2951 router, supporting voice module, is designed for small offices.

Quick Specs

Figure 1 shows the appearance of the CISCO2951/k9.

Table 1 shows the Quick Specs of the CISCO2951/k9.

Product Code	CISCO2951/k9
Rack Units	2U
Interfaces	3 integrated 10/100/1000 Ethernet ports with 1 port capable of RJ-45 or SFP connectivity
Expansion Slot(s)	2 service module slot 1 Internal Service Module slot 3 onboard digital signal processor slots 4 Enhanced high-speed WAN interface card (EHWIC) slots
RAM	512 MB (installed) / 2 GB (max) - DDR2 SDDRAM Memory
Flash Memory	256 MB (installed) / 8 GB (max)
Dimensions	47 cm x 43.8 cm x 8.9 cm
Package Weight	17.82 Kg

Product Details

Figure 2 shows the front panel of the Cisco 2951 router.

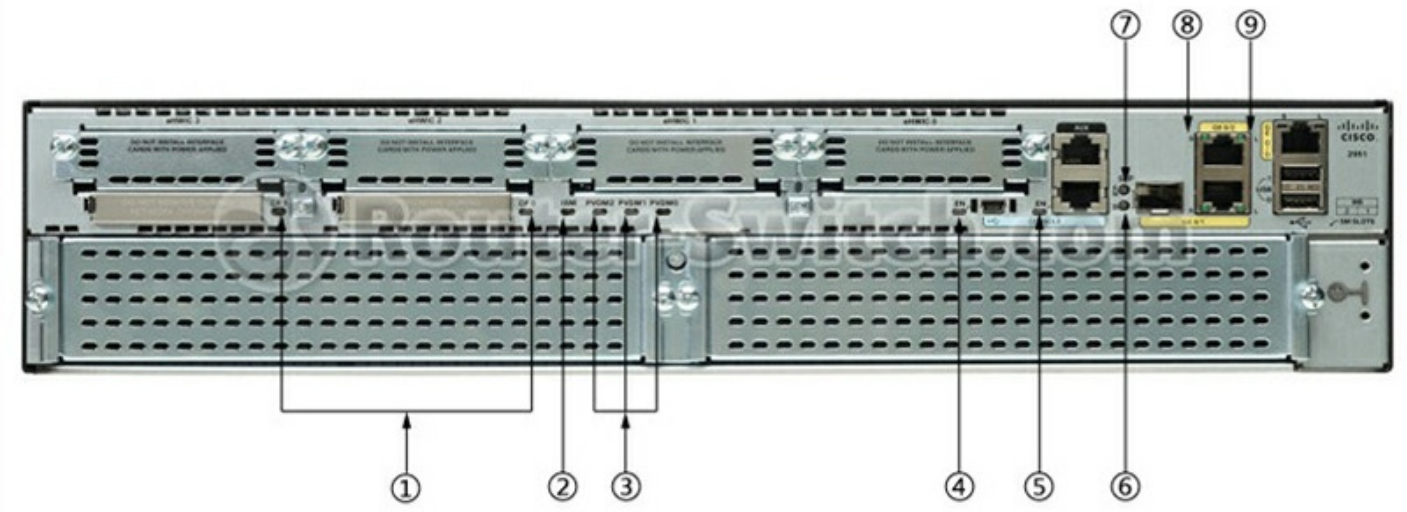
Note:

(1) AC OK (2) On/Off switch (3) AC power connector (4) Optional RPS adapter(blank panel shown) (5) LEDs area

Table 2 shows the LEDs area description.

LED	Color	Description
SYS	Solid green	Solid green indicates normal operation.
	Blinking green	System is booting or is in ROM monitor mode.
	Amber	System error.
	Off	Power is off or system board is faulty.
ACT	Green	Solid or blinking indicates packet activity between the forwarding and routing engine and any I/O port.
	Off	No packet transfers are occurring.
PoE	Green	PoE is available.
	Amber	Power supply is not supplying PoE power.
RPS	Green	System is running on external RPS power supply.
PS	Green	System is running.
	Amber	System is not running.

Figure 3 shows some LEDs on the back panel of the Cisco 2951 router.



Note:

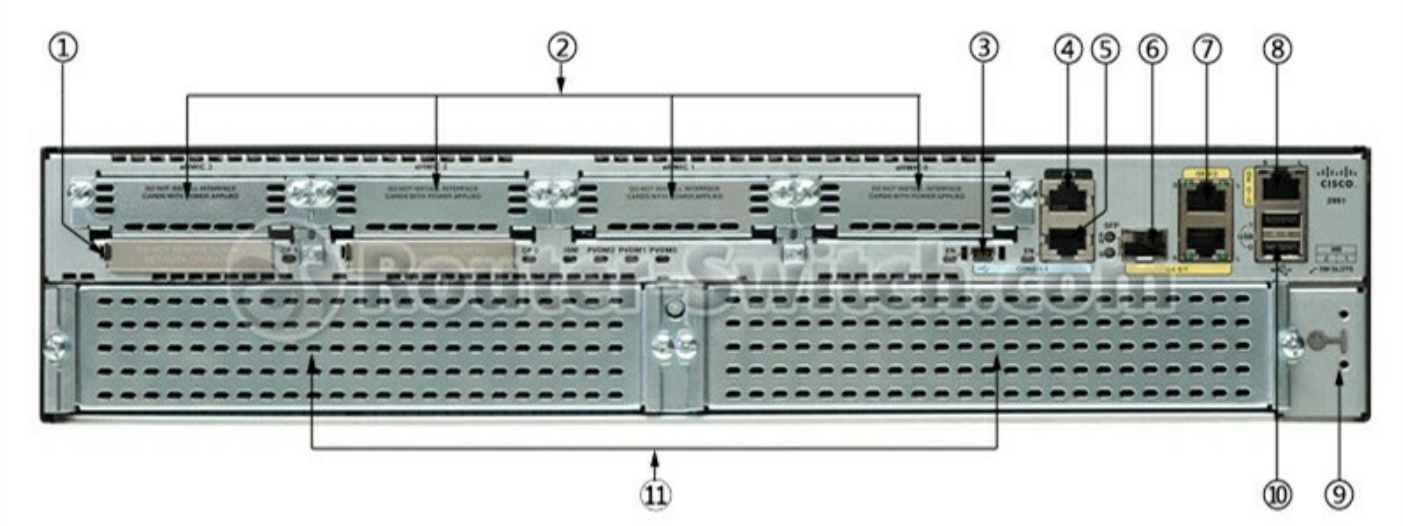
(1) Compact flash 0 and 1 (0, right) (2) ISM (3) PVDM3 0,1 and 2 (0 right) (4) EN (Enable USB console) (5) EN (Enable RJ-45 console) (6) SFP S (7) SFP EN (8) S (Speed) (9) L (Link)

Table 3 shows the description of these LEDs on the back panel.

LED	Color	Description	Location
CompactFlash 1	Green	Flash memory is busy.	Back Panel
	Amber	Initialized with error.	
	Blinking Green then turns off	CompactFlash is ready for removal.	
CompactFlash 0	Green	Flash memory is busy.	Back Panel
	Amber	Initialized with error.	
	Blinking Green then turns off	CompactFlash is ready for removal.	
S (Speed)	1 blink + pause	GE port operating at 10Mb/s.	Back Panel
	2 blink + pause	GE port operating at 100Mb/s.	
	3 blink + pause	GE port operating at 1000 Mb/s.	
L (Link)	Green	GE link is established.	Back Panel
	Off	No GE link is established.	
EN (RJ-45 console port)	Green	The RJ-45 console port is active.	Back Panel
EN (USB serial console port)	Green	The USB console port is active.	Back Panel
ISM	Green	Initialized.	Back Panel
	Amber	Initialized with error.	
	Off	Not installed.	
SFP S	Blinking green	Blinking frequency indicates port speed.	Back Panel
SFP EN	Off	Not present.	Back Panel
	Green	Present and enabled.	
	Amber	Present with failure.	
PVDM 0, 1 and 2	Green	PVDM is initialized.	Back Panel
	Amber	PVDM is detected but not initialized.	
	Off	No PVDM installed.	

Figure 4 show the expansion slots and ports on the back panel.

The Cisco 2951/K9 supports expansion functions with modules and cards.



Note:

(1) Compact flash 0 and 1 (0, right) (2) EHWIC 0,1,2 and 3 (0, far right) (3) USB serial port (4) RJ-45 serial console port (5) AUX port (6) AUX port

(7) 10/100/1000 Ethernet port (GE 0/1 and GE 0/2) (8) 10/100/1000 Ethernet port GE 0/0 (9) Ground (10) USB 0 and 1 (1, top) (11) Service module slots

Figure 5 show the unboxing view of CISCO2951/K9.

Modules & Licenses

Table 4 shows some recommended models for this router.

Models	Description
SM-ES3G-16-P	Enhanced EtherSwitch Service Module, L2/L3 switching, 16* 10/100/1000 GE ports, Enhanced POE, Cisco EnergyWise technology
SM-ES3G-24-P	Enhanced EtherSwitch Service Module, L2/L3 switching, 24 * 10/100/1000 GE ports, Enhanced POE, Cisco EnergyWise technology
VWIC3-2MFT-G703	Cisco Voice/WAN Card VWIC3-2MFT-G703
HWIC-2T	2-Port Serial WAN Interface Card Cisco Router High-Speed WAN Interface card

EHWIC-1GE-SFP-CU	Cisco 1900, 2900, 3900 Router EHWIC WAN Card EHWIC-1GE-SFP-CU
EHWIC-4ESG	Four port 10/100/1000 Base-TX Gigabit Ethernet switch interface card for Cisco 1900 2900 3900 Routers
ISM-SRE-300-K9	Internal Services Module (ISM) with Services Ready Engine
PVDM3-16	16-channel high-density voice DSP module
MEM-CF-256U1GB	256MB to 1GB Compact Flash Upgrade for Cisco 1900,2900,3900
MEM-CF-256U2GB	256MB to 2GB Compact Flash Upgrade for Cisco 1900,2900,3900
MEM-CF-256U512MB	256MB to 512MB CF Upgrade for Cisco 1900,2900,3900 ISR
MEM-CF-256U4GB	256MB to 4GB Compact Flash Upgrade for Cisco 1900,2900,3900
MEMUSB-1024FT	1GB USB Flash Token
Licenses	**Description**
L-SL-29-SEC-K9=	Cisco 2900 License L-SL-29-SEC-K9 Security E-Delivery PAK for Cisco 2901-2951
L-SL-29-APP-K9=	Cisco Application Experience License ISR 2900 Series - includes licenses for: AppX, DATA and WAASX
L-SL-29-SECNPE-K9=	Cisco 2900 License L-SL-29-SECNPE-K9 SEC No Payload Encryption E PAK for Cisco 2901-2951
L-SL-29-UC-K9=	Cisco 2900 License L-SL-29-UC-K9= Unified Communication E-Delivery PAK for Cisco 2901-2951

Get more information

Do you have any question about the Cisco 2951 router?

Contact us now via **Live Chat** or **sales@router-switch.com**.

Specification

CISCO2951/K9 Specification	
General	
Device Type	Router
Enclosure Type	Rack-mountable - modular - 2U
Connectivity Technology	Wired
Data Link Protocol	Ethernet, Fast Ethernet, Gigabit Ethernet
Network / Transport Protocol	IPSec, L2TPv3
Routing Protocol	OSPF, IS-IS, BGP, EIGRP, DVMRP, PIM-SM, static IP routing, IGMPv3, GRE, PIM-SSM, static IPv4 routing, static IPv6 routing, policy- based routing (PBR), MPLS, Bidirectional Forwarding Detection (BFD), IPv4-to-IPv6 Multicast
Remote Management Protocol	SNMP, RMON, TR-069
Features	Firewall protection, VPN support, MPLS support, Syslog support, IPv6 support, Class-Based Weighted Fair Queuing (CBWFQ), Weighted Random Early Detection (WRED), Web Services Management Agent (WSMA), NetFlow
Compliant Standards	IEEE 802.3, IEEE 802.1Q, IEEE 802.3af, IEEE 802.3ah, IEEE 802.1ah, IEEE 802.1ag, ANSI T1.101, ITU-T G.823, ITU-T G.824
RAM	512 MB (installed) / 2 GB (max)

Flash Memory	256 MB (installed) / 8 GB (max)
Status Indicators	Link activity, power
Expansion and Connectivity	
Interfaces	3 x 10Base-T/100Base-TX/1000Base-T - RJ-45 ¦ Management : 1 x console - RJ-45 ¦ Management : 1 x console - mini-USB Type B ¦ Serial : 1 x auxiliary - RJ-45 ¦ USB : 2 x 4 pin USB Type A ¦ 1 x SFP (mini-GBIC)
Expansion Slot(s)	4 (total) / 4 (free) x EHWIC ¦ 3 (total) / 3 (free) x PVDM ¦ 2 (total) / 1 (free) x CompactFlash Card ¦ 1 (total) / 1 (free) x ISM ¦ 2 (total) / 2 (free) x service module (SM)
Power	
Power Device	Power supply - internal
Voltage Required	AC 120/230 V (50/60 Hz)
Miscellaneous	
Dimensions (W × D × H)	17.2 × 18.5 × 3.5 in (47 x 43.8 x 8.9 cm)
Package Weight	39.3 lbs (17.82 Kg)
Weight	29.1 lbs (13.2 Kg)
Rack Mounting Kit	N/A
Compliant Standards	CISPR 22 Class A, CISPR 24, EN55024, EN55022 Class A, EN50082-1, AS/NZS 60950-1, ICES-003 Class A, CS-03, R&TTE, FCC CFR47 Part 15, EN300-386, UL 60950-1, IEC 60950-1, EN 60950-1, BSMI CNS 13438, AS/NZS 3548 Class A, CAN/CSA C22.2 No. 60950-1, VCCI V-3, EN 61000, TIA/EIA/IS-968
Software / System Requirements	
OS Provided	Cisco IOS IP Base
Manufacturer Warranty	
Service & Support	90 days warranty
Service & Support Details	Limited warranty - 90 days
Environmental Parameters	
Min Operating Temperature	32 °F
Max Operating Temperature	104 °F
Humidity Range Operating	5 - 85%

Download Resource

Support and Resources

Cisco 2900 Series Router Datasheet.pdf

Cisco ISR 4451-X vs. ISR 3900 vs. ISR 2900 vs. ISR 1900

Transition Guide

Guide to Upgrade Your ISR G1 and ISR G2 Routers to ISR 4000

Want to Buy

Order Now | Get a Quote

Why Router-switch.com

As a leading network hardware supplier, Router-switch.com focuses on original new ICT equipment of Cisco, Huawei, HPE, Dell, Hikvision, Juniper, Fortinet, etc.

200+	18,000+	$20,000,000	50%-98%	100%
Countries we Sold	Customers Trusted	Inventory Available	Off Global List Price	Safe Online Shopping

Contact Us

- Tel: +1-626-239-8066 (USA) 852-30691898/ 852-30691868 (Hong Kong)
- Fax: 852-30691898 (Hong Kong)
- Email: sales@router-switch.com