

CISCO2901-V/K9 Datasheet

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Overview

The Cisco 2901 router, supporting voice module, is designed for small offices. CISCO2901-V/K9 bundles Voice bundle, the PVDM3-16 and UC License PAK.

Quick Specs

Figure 1 shows the appearance of the CISCO2901-V/k9.



Table 1 shows the Quick Specs of the CISCO2901-V/k9.

Product Code	CISCO2901/k9
Bundle	Voice Bundle
Rack Units	1U
Interfaces	2 integrated 10/100/1000 Ethernet ports
Expansion Slot(s)	2 onboard digital signal processor (DSP) slots 4 enhanced high-speed WAN interface card slots 1 onboard Internal Service Module for application services
RAM	512 MB (installed) / 2 GB (max)
Flash Memory	256 MB (installed) / 8 GB (max)
Dimensions	43.9 cm x 43.8 cm x 4.5 cm
Package Weight	11.69 Kg

Product Details

Figure 2 shows the front panel of the Cisco 2901 router with ports and LEDs.



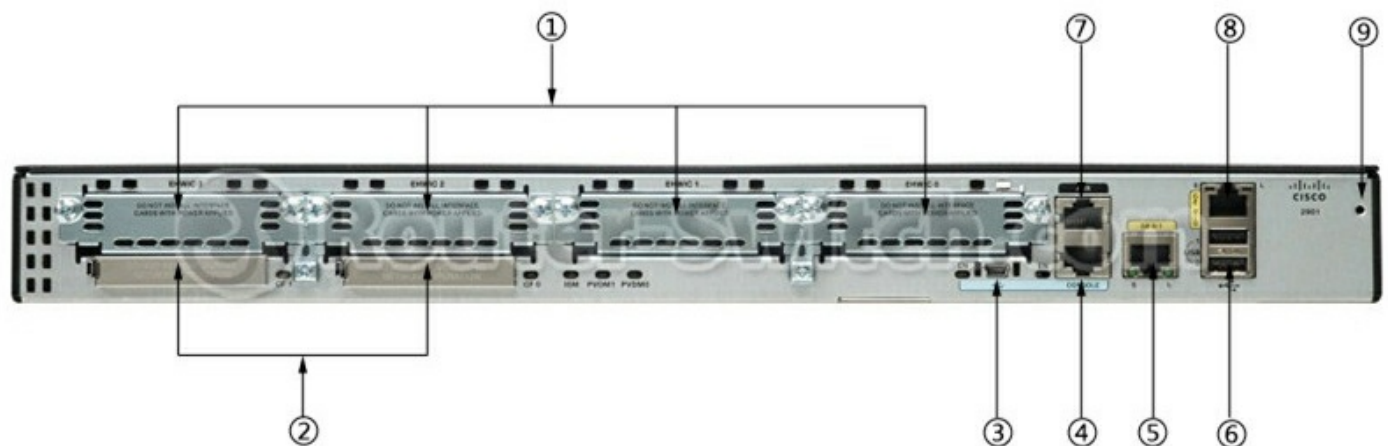
Note:

(1)	SYS	(4)	On/Off switch
(2)	ACT	(5)	AC power connector
(3)	POE		

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.

Figure 3 shows the back panel of the Cisco 2901 router with slots and ports.



Note:

(1)	EHWIC 0,1,2 and 3 (0, far right)	(6)	USB 0 and 1 (1, top)
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(2)	Compact flash 0 and 1	(7)	AUX
(3)	USB serial port	(8)	10/100/1000 Ethernet port (GE 0/0)
(4)	RJ-45 serial console port	(9)	Ground
(5)	10/100/1000 Ethernet port (GE 0/1)		

Modularity Features

Table 3 shows some recommended models for this router.

Models	Description
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 vb 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
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

The Licenses

Table 4 shows the recommended license.

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

Compare to Similar Routers

Table 5 shows the comparison between CISCO2901/K9 and CISCO2901-V/K9.

Model	CISCO2901/K9	CISCO2901-V/K9
Bundle	None	Voice Bundle
Interface	2GE	2GE
EHWIC slot	4	4
SIM Slot	0	0
SFP	0	0
Memory	512MB (installed) / 2 GB (max)	512MB (installed) / 2 GB (max)
Flash Memory	256 MB (installed) / 8 GB (max)	256 MB (installed) / 8 GB (max)
Rack Unit	1U	1U

Get more information

Do you have any question about the CISCO2901-V/K9?

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Specification

CISCO2901-V/K9 Specifications	
Manufacturer	Cisco Systems, Inc
Product Type	Router
Form Factor	External - modular - 1U
Dimensions (WxDxH)	43.9 cm x 43.8 cm x 4.5 cm
Weight	6.1 kg
DRAM Memory	512 MB (installed) / 2 GB (max)
Flash Memory	256 MB (installed) / 8 GB (max)
Routing Protocol	OSPF, IS-IS, BGP, EIGRP, DVMRP, PIM-SM, IGMPv3, GRE, PIM-SSM, static IPv4 routing, static IPv6 routing
Data Link Protocol	Ethernet, Fast Ethernet, Gigabit Ethernet
Remote Management Protocol	SNMP, RMON
Digital Ports Qty	16
Features	Firewall protection, VPN support, MPLS support, Syslog support, IPv6 support, Class-Based Weighted Fair Queuing (CBWFQ), Weighted Random Early Detection (WRED)
Compliant Standards	IEEE 802.1Q, IEEE 802.3ah, IEEE 802.1ag
Power	AC 120/230 V (50/60 Hz)

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