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## Overview

C2911-VSEC/K9 is the Cisco Router ISR G2 with Voice Security Bundle. Its appearance is similar with CISCO2911/K9, but it's bundled with Voice Sec. Bundle, PVDM3-16, UC and SEC License PAK.

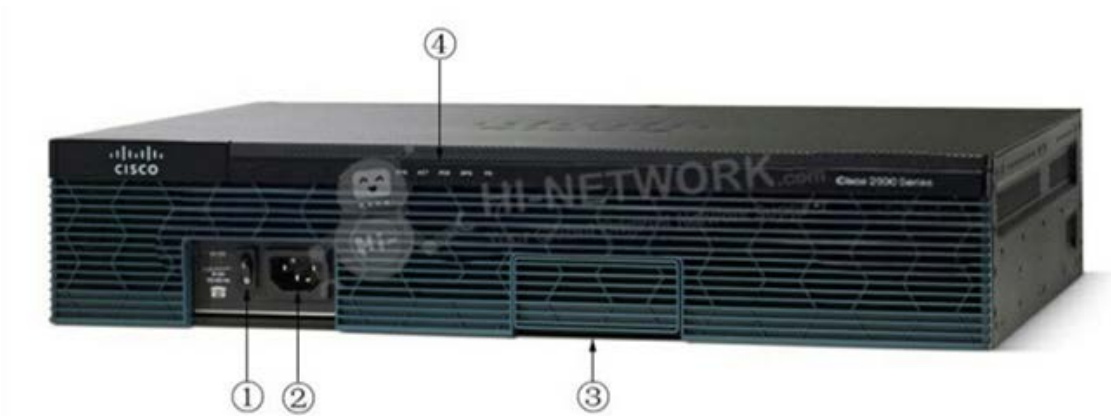
## Quick Specification

Table 1 shows the Quick Specs of the C2911-VSEC/K9.

Product Code	C2911-VSEC/K9
Bundle	Cisco 2911 Voice Sec. Bundle, PVDM3-16, UC and SEC License PAK
Dimensions (WxDxH)	43.8 cm x 30.5 cm x 4.5 cm
Weight	8.2 kg
Rack Units	2RU
Interfaces	3 integrated 10/100/1000 Ethernet ports (RJ-45 only)
Expansion Slot(s)	1 service module slot 1 Internal Service Module slot 2 onboard digital signal processor (DSP) slots 4 enhanced high-speed WAN interface card slots
RAM	512 MB (installed) / 2 GB (max)
Flash Memory	256 MB (installed) / 8 GB (max)

## Product Details

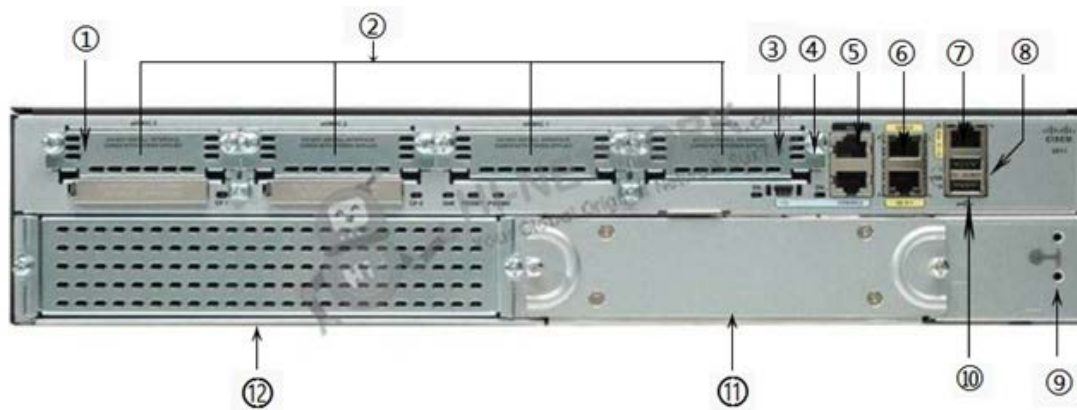
Figure 1 shows the front panel of CISCO2911/K9. C2911-VSEC/K9 is similar with it



Note:

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

Figure 2 show the expansion slots and ports on the back panel.



Note:

(1)	Compact flash 0 and 1 (0, right)	(7)	10/100/1000 Ethernet port GE 0/0
(2)	EHWIC 0,1,2 and 3 (0, far right)	(8)	USB 1
(3)	USB serial port	(9)	Ground connector
(4)	Console port	(10)	USB 0
(5)	AUX	(11)	AC or DC or AC-POE Power module
(6)	10/100/1000 Ethernet port GE 0/1 and GE 0/2 (0/1, down)	(12)	Service module slot 1

**Table 2. Voice Security Bundle Features Table**

Authentication and Encryption Features	Media encryption of voice RTP streams using SRTP Exchange of RTP Control Protocol (RTCP) information using secure RTCP SRTP to RTP fallback for calls between secure and insecure endpoints Secure calls supported in Cisco Unified Survivable Remote Site Telephony (SRST) mode during WAN failover Compressed RTP (CRTP) supported with media encrypted calls using SRTP
Authentication and Encryption Algorithm	Supports AES-128 encryption algorithm Supports the HMAC secure hash authentication algorithm (SHA 1)
Signaling Authentication and Encryption Features	Gateway to Cisco Unified Communications Manager signaling and encryption uses IPSec for Media Gateway Control Protocol (MGCP), H.323 and SIP gateways IP phone to Cisco Unified Survivable Remote Site Telephony router signaling and encryption uses TLS (Transport Layer Security)
Protocol Support	MGCP 0.1 (supports MGCP gateways with Cisco Unified Communications Manager) H.323 (supported on H.323 gateways and CUBE; Cisco Unified Communications Manager interoperability is optional) Session Initiation Protocol (SIP) SCCP (Cisco Unified IP Phone) in SRST mode
Module Support	Any module that has PVDM2, PVDM3 and/or built-in DSP
Codec Support	G.711, G.729A, and G.729

## Modularity Features

Table 3 shows some recommended models for this router.

Models	Description
<a href="#">SM-ES3G-16-P</a>	Enhanced EtherSwitch Service Module, L2/L3 switching, 16* 10/100/1000 GE ports, Enhanced POE, Cisco EnergyWise technology
<a href="#">SM-ES3G-24-P</a>	Enhanced EtherSwitch Service Module, L2/L3 switching, 24 * 10/100/1000 GE ports, Enhanced POE, Cisco EnergyWise technology
<a href="#">HWIC-2T</a>	2-Port Serial WAN Interface Card Cisco Router High-Speed WAN Interface card
<a href="#">EHWIC-1GE-SFP-CU</a>	Cisco 1900, 2900, 3900 Router EHWIC WAN Card EHWIC-1GE-SFP-CU
<a href="#">EHWIC-4ESG</a>	Four port 10/100/1000 Base-TXGigabit Ethernet switch interface card for Cisco1900 2900 3900Routers
ISM-SRE-300-K9	Internal Services Module (ISM) with Services Ready Engine
<a href="#">MEM-CF-256U1GB</a>	256MB to 1GB Compact Flash Upgrade for Cisco 1900,2900,3900
<a href="#">MEM-CF-256U2GB</a>	256MB to 2GB Compact Flash Upgrade for Cisco 1900,2900,3900
<a href="#">MEM-CF-256U512MB</a>	256MB to 512MB CF Upgrade for Cisco 1900,2900,3900 ISR
<a href="#">MEM-CF-256U4GB</a>	256MB to 4GB Compact Flash Upgrade for Cisco 1900,2900,3900
MEMUSB-1024FT	1GB USB Flash Token

## Compare to Similar Routers

Table 4 shows the comparison of CISCO2911/K9 and C2911-VSEC/K9.

Model	<a href="#">CISCO2911/K9</a>	C2911-VSEC/K9
Bundle	N/A	Voice Security Bundle
Interface	3GE	3GE
EHWIC slot	4	4
SIM Slot	1	1
SFP	0	0
Memory	512MB (installed) / 2 GB (max)	512MB (installed) / 2 GB (max)
Flash Memory	256MB (installed) / 8 GB (max)	256MB (installed) / 8 GB (max)
Rack Unit	2 U	2 U

## Get More Information

Do you have any question about the C2911-VSEC/K9?

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

## Specification

C2911-VSEC/K9 Specifications	
Manufacturer	Cisco Systems, Inc
Manufacturer Part Number	C2911-VSEC/K9
Bundle	Cisco 2911 Voice Sec. Bundle, PVDM3-16, UC and SEC License PAK
Product Type	Router
Form Factor	External - modular - 2U
Dimensions (WxDxH)	43.8 cm x 30.5 cm x 4.5 cm
Weight	8.2 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
Network / Transport Protocol	IPsec
Remote Management Protocol	SNMP, RMON
Digital Ports Qty	16
Features	Firewall protection, VPN support, MPLS support, Syslog support, content filtering, IPv6 support, Class-Based Weighted Fair Queuing (CBWFQ), Weighted Random Early Detection (WRED), Dynamic Multipoint VPN (DMVPN)
Compliant Standards	IEEE 802.1ah, IEEE 802.1ag
Power	AC 120/230 V (50/60 Hz)

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