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## Overview

Cisco ISR4331-SEC/K9 is the Cisco ISR4331/k9 router with Security Bundle. Its other specifications are the same as ISR4331/k9.

## Quick Specification

Figure 1 shows the appearance of Cisco ISR4331-SEC/K9.



Table 1 shows the Quick Specification.

Model	ISR4331-SEC/K9
Bundle	Security Bundle
Aggregate Throughput	100 Mbps to 300 Mbps
Total onboard WAN or LAN 10/100/1000 ports	3
RJ-45-based ports	2
SFP-based ports	2
Enhanced service-module (SM-X) slot	1
NIM (Network Interface Modules) slots	2
Onboard ISC slot	1
Memory	4 GB (default) / 16 GB (maximum)

Flash Memory	4 GB (default) / 16 GB (maximum)
Power-supply options	Internal: AC and PoE
Rack height	1 RU
Dimensions (H x W x D)	44.45 x 438.15 x 438.15 mm
Package Weight	12.96 Kg

## Product Details

Figure 2 shows the front panel of Cisco ISR4331-SEC/K9.

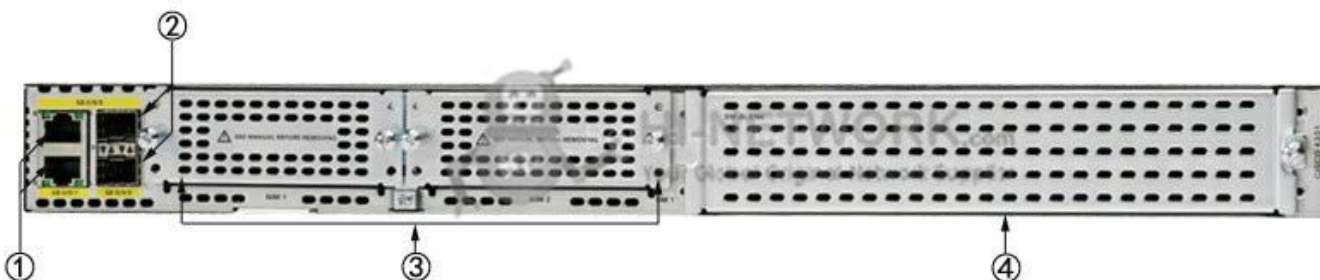


Note:

(1)	USB Type B mini port	(5)	Management port
(2)	Serial console port	(6)	LEDs
(3)	USB Type A port	(7)	AC Power
(4)	AUX Port	(8)	Power switch

The LEDs include eight indicators: POE0, FLASH, TEMP, PWR, SSD, ISC, FAN and STAT.

Figure 3 shows the back panel of Cisco ISR4331-SEC/K9.



Note:

(1)	RJ45 Ports	(3)	NIM Slots
(2)	SFP Ports	(4)	SM-X Slot

- (1) & (2): These four ports include one combo port, one RJ45 port and one SFP port. It means the RJ45 and SFP in the combo port can't be used at the same time.
- NIM slots support one double-wide or two signal-wide modules.
- An SM-X slot can be converted into a Network Interface Module (NIM) slot using an optional carrier card.

Figure 4 shows Security Bundle Functions.



## The Modules, Cards and Accessories

Table 2 shows some recommended modules, cards and accessories of Cisco ISR4331-SEC/K9.

Items	Models	Descriptions
Console and Auxillary Cables	CAB-AUX-RJ45	Cisco CAB-AUX-RJ45 Auxiliary Cable 8ft with RJ45 and DB25M
	CAB-ETH-S-RJ45	Cisco Router Cable CAB-ETH-S-RJ45
	CAB-CONSOLE-RJ45	Cisco CAB-CONSOLE-RJ45 Console Cable 6ft with RJ45 and DB9F
	CAB-CONSOLE-USB	Cisco CAB-CONSOLE-USB Console Cable 6 ft with USB Type A and mini-B
Network Interface Modules	NIM-1MFT-T1/E1	Cisco Fourth-Generation Multiflex Trunk Voice and WAN network interface module
	NIM-2CE1T1-PRI	Cisco Multiflex Trunk Voice and WAN network interface module
	NIM-4E/M	Analog voice network interface card (ear and mouth)
	NIM-2FXS	Cisco Analog voice network interface card NIM-2FXS
	NIM-2FXS/4FXO	Cisco Analog voice network interface card NIM-2FXS/4FXO
	NIM-8MFT-T1/E1	Cisco Fourth-Generation Multiflex Trunk Voice and WAN network interface module
SFPs for On-Board GE Ports	<a href="#">GLC-SX-MMD</a>	Cisco GLC-SX-MMD 1000BASE-SX SFP transceiver module, MMF, 850nm, DOM
	<a href="#">GLC-LH-SMD</a>	Cisco GLC-LH-SMD 1000BASE-LX/LH SFP transceiver module, MMF/SMF, 1310nm, DOM
	<a href="#">GLC-ZX-SMD</a>	Cisco GLC-ZX-SMD 1000BASE-ZX SFP transceiver module, SMF, 1550nm, DOM

## Compare to Similar Item

Table 3 shows the comparison between two similar items.

Models	<a href="#">ISR4331/K9</a>	ISR4331-SEC/K9
Bundle	None	Security Bundle
Aggregate Throughput	100 Mbps to 300 Mbps	100 Mbps to 300 Mbps
Total onboard WAN or LAN 10/100/1000 ports	3	3
RJ-45-based ports	2	2
SFP-based ports	2	2
Enhanced service-module slots	1	1
NIM slots	2	2
Onboard ISC slot	1	1
Rack height	1	1

## Get More Information

Do you have any question about the Cisco ISR4331-SEC/K9?

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## Specification

Cisco ISR4331-SEC/K9 Specification	
Type	Cisco ISR4331/K9 with Security Bundle
Aggregate Throughput	100 Mbps to 300 Mbps
Total onboard WAN or LAN 10/100/1000 ports	3
RJ-45-based ports	2
SFP-based ports	2
Enhanced service-module slots	1
Doublewide service-module slots	0
NIM slots	2
OIR (all I/O modules)	Yes
Onboard ISC slot	1
Default memory double-data-rate 3 (DDR3) error-correction-code (ECC) DRAM (Combined control/services/data planes)	4 GB

Maximum memory DDR3 ECC DRAM (Combined control/services/data planes)	16 GB
Default memory DDR3 ECC DRAM (data plane)	NA
Maximum memory DDR3 ECC DRAM (data plane)	NA
Default memory DDR3 ECC DRAM (control/services plane)	NA
Maximum memory DDR3 ECC DRAM (control/services plane)	NA
Default flash memory	4 GB
Maximum flash memory	16 GB
External USB 2.0 slots (type A)	1
USB console port -type B mini (up to 115.2 kbps)	1
Serial console port - RJ45 (up to 115.2 kbps)	1
Serial auxiliary port - RJ45 (up to 115.2 kbps)	1
Power-supply options	Internal: AC and PoE
Redundant power supply	N/A
AC input voltage	100 to 240 VAC autoranging
AC input frequency	47 to 63 Hz
AC input current range, AC power supply (maximum)	3 to 1.3A
AC input surge current	60 A peak and less than 5 Arms per half cycle
Typical power (no modules) (watts)	42
Maximum power with AC power supply (watts)	250
Maximum power with PoE power supply (platform only) (watts)	530
Maximum endpoint PoE power available from PoE power supply (watts)	250

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