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Overview

Cisco ISR4431-SEC/K9 is the Cisco ISR4431/k9 router with Security Bundle. Its other specifications are the same as ISR4431/k9.

Quick Specification

Figure 1 shows the appearance of Cisco ISR4431-SEC/K9.

Table 1 shows the Quick Specification.

Product Code	Cisco ISR4431-SEC/K9
Bundle	Security Bundle
Aggregate Throughput	500 Mbps to 1 Gbps
Total onboard WAN or LAN 10/100/1000 ports	4
RJ-45-based ports	4
SFP-based ports	4
Enhanced service-module (SM-X) slot	0
NIM (Network Interface Modules) slots	3
Onboard ISC slot	1
DDRM (data plane)	2 GB (default) / 2 GB (maximum)
DDRM (control/services plane)	4 GB (default) / 16 GB (maximum)
Flash Memory	8 GB (default) / 32 GB (maximum)
Power-supply options	Internal: AC, DC, and PoE
Rack height	1 RU

Dimensions (H x W x D)	43.9 x 438.15 x 507.2 mm
Package Weight	20.88 Kg

Product Details

Figure 2 shows the front panel of Cisco ISR4431-SEC/K9.

Note:

(1)	Power supply unit	(3)	Router power On/Off switch
(2)	LEDs	(4)	Optional power supply unit

· LEDs include 12 indicators: PSU0, PSU1, GE/POE, FLASH, TEMP, PWR, POE0, POE1, BOOST, ISC, FAN, and STAT.

Figure 3 shows the back panel of Cisco ISR4431-SEC/K9.

Note:

(1)	GE management port	(5)	Console port
(2)	Auxiliary port	(6)	GE Ports
(3)	USB Type A port	(7)	NIM Slots
(4)	USB Type B mini port		

· The NIMs support 2 single-wide or 1 double-wide.

· The GE Ports include 4 RJ45 ports and 4 SFP ports.

Figure 4 shows the Security Bundle Functions.

The Modules, Cards and Accessories

Table 2 shows some recommended modules, cards and accessories of Cisco ISR4431-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	GLC-SX-MMD	Cisco GLC-SX-MMD 1000BASE-SX SFP transceiver module, MMF, 850nm, DOM
	GLC-LH-SMD	Cisco GLC-LH-SMD 1000BASE-LX/LH SFP transceiver module, MMF/SMF, 1310nm, DOM
	GLC-ZX-SMD	Cisco GLC-ZX-SMD 1000BASE-ZX SFP transceiver module, SMF, 1550nm, DOM

Compare to Similar Items

Table 3 shows the comparison between two similar items.

Models	ISR4431/K9	ISR4431-SEC/K9
Bundle	None	Security Bundle
Aggregate Throughput	500 Mbps to 1 Gbps	500 Mbps to 1 Gbps
Total onboard WAN or LAN 10/100/1000 ports	4	4
RJ-45-based ports	4	4
SFP-based ports	4	4
Enhanced service-module slots	0	0
NIM slots	3	3
Onboard ISC slot	1	1
Rack height	1	1

Get More Information

Do you have any question about the Cisco ISR4431-SEC/K9?

Contact us now via info@hi-network.com.

Specification

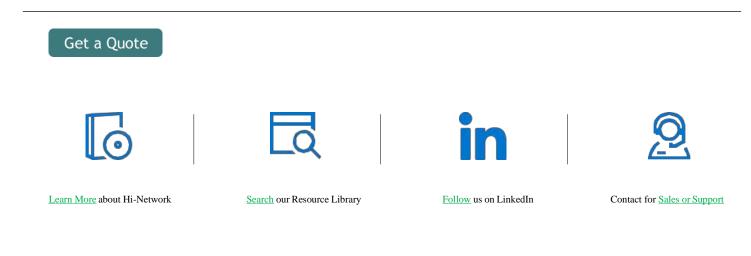| Cisco ISR4431-SEC/K9 Specification	
Type	Cisco ISR4431/K9 with Security Bundle
Aggregate Throughput	500Mbps to 1Gbps
Total onboard WAN or LAN 10/100/1000 ports	4
RJ-45-based ports	4
SFP-based ports	4
Enhanced service-module slots	0
Doublewide service-module slots	0
NIM slots	3
OIR (all I/O modules)	Yes
Onboard ISC slot	1
Default memory double-data-rate 3 (DDR3) error-correction-code (ECC) DRAM (Combined control/services/data planes)	NA

Maximum memory DDR3 ECC DRAM (Combined control/services/data planes)	NA
Default memory DDR3 ECC DRAM (data plane)	2 GB
Maximum memory DDR3 ECC DRAM (data plane)	2 GB
Default memory DDR3 ECC DRAM (control/services plane)	4 GB
Maximum memory DDR3 ECC DRAM (control/services plane)	16 GB
Default flash memory	8 GB
Maximum flash memory	32 GB
External USB 2.0 slots (type A)	2
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, DC, and PoE
Redundant power supply	Internal: AC, DC, and PoE
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)	65
Maximum power with AC power supply (watts)	250 (no PoE)
Maximum power with PoE power supply (platform only) (watts)	500 with PoE redundant
Maximum endpoint PoE power available from PoE power supply (watts)	250 W with optional redundancy

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