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Overview

Cisco 4331 Integrated Services Router delivers 100 Mbps to 300 Mbps aggregate throughput and offers one Enhanced service-module (SM-X) slot, which supports for both single- and double-wide service modules provides flexibility in deployment options. The Cisco C1-CISCO4331/K9 is the 4331 Cisco ONE Software Bundle.

Quick Specification

Figure 1 shows the appearance of C1-CISCO4331/K9.



Table 1 shows the quick specification.

Product Number	C1-CISCO4331/K9
Product Description	Cisco ONE ISR 4331 (3GE, 2NIM, 1SM, 4G FLASH, 4G DRAM, IPB)
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
NIM slots	2
OIR (all I/O modules)	Yes
Onboard ISC slot	1
Default flash memory	4 GB
Maximum flash memory	16 GB

Product Details

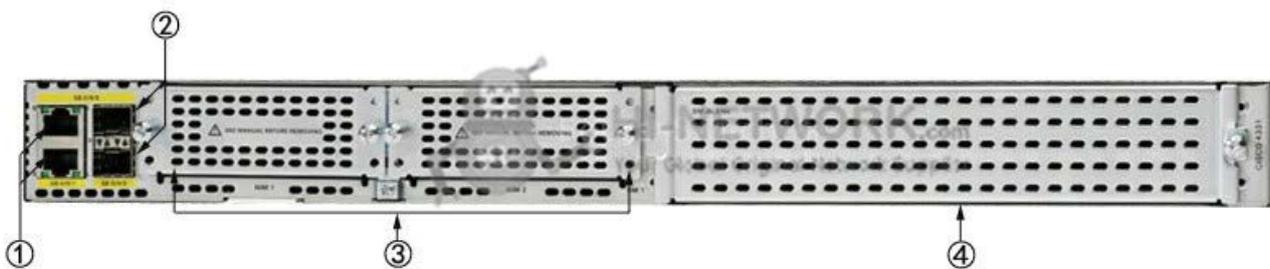
Figure 2 shows the LEDs on the front panel of the Cisco ISR43 1/K9 for reference. C1-CISCO4331/K9 is similar with it.



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

Figure 3 shows the back panel of Cisco ISR43 1/K9 for reference. C1-CISCO4331/K9 is similar with it.



Note:

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

- 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.

The Modules, Cards, Licenses & Accessories

Table 2 shows some recommended modules, cards, licenses and several cables.

Items	Models	Descriptions
Smart Serial Cables	CAB-SS-449FC	Cisco CAB-SS-449FC RS-449 Cable, DCE Female to Smart Serial, 10 Feet
	CAB-SS-V35FC	Cisco CAB-SS-V35FC V.35 Cable, DCE Female to Smart Serial, 10 Feet
Console and Auxiliary 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
Licenses	L-SL-4330-APP-K9=	Cisco AppX license L-SL-4330-APP-K9= with 750 conns/ISRWAAS or 1300 conns/vWAAS for ISR4331
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 C1-CISCO4331/K9 and C1-CISCO4321/K9.

Product Number	C1-CISCO4331/K9	C1-CISCO4321/K9
Product Description	Cisco ONE ISR 4331 (3GE, 2NIM, 1SM, 4G FLASH, 4G DRAM, IPB)	Cisco ONE ISR 4321 (2GE, 2NIM, 4G FLASH, 4G DRAM, IPB)
Aggregate Throughput	100 Mbps to 300 Mbps	50 Mbps to 100 Mbps
Total onboard WAN or LAN 10/100/1000 ports	3	2
RJ-45-based ports	2	2
SFP-based ports	2	1
NIM slots	2	2
Onboard ISC slot	1	1

Get More Information

Do you have any question about the C1-CISCO4331/K9?

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Specification

C1-CISCO4331/K9 Specification	
Product Number	C1-CISCO4331/K9
Product Description	Cisco ONE ISR 4331 (3GE, 2NIM, 1SM, 4G FLASH, 4G DRAM, IPB)
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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