ISR4331/K9 Datasheet

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.

Quick Specs

Figure 1 shows the appearance of Cisco ISR4331/K9.

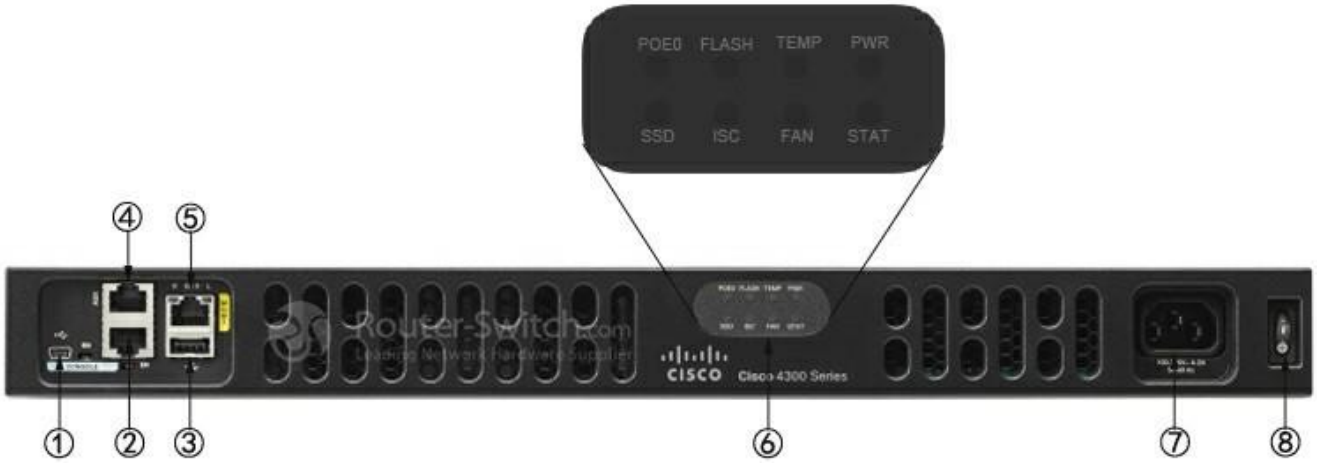
Table 1 shows the Quick Specs.

Product Code	Cisco ISR4331/K9
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/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.

Table 2 shows the LED descriptions.

LEDs	Represents	Color	Description
POE0	POE PSU	Green	PoE is on and providing power.
		Amber	PoE is in a failed condition.
		Off	PoE supply is not present.
FLASH	System Flash Status	Blinking Green	Compact flash/eUSB flash is present and currently being accessed.
TEMP	Temperature Status	Solid green	All temperature sensors in the system are within acceptable range.
		Amber	One or more temperature sensors in the system are outside the acceptable range.
		Off	Temperature is not being monitored.
		Green	System power is on and functioning correctly.

PWR	System Power	Green blinking	System power is in the process of shutting down.
		Amber	System power is up, but low level initialization failed.
		Amber blinking	System power is up, but the system failed to come out of reset.
		Off	System power is off.
SSD	mSATA Slot Status	Green	SSD mSATA is present and enabled.
		Amber	Initialized with error.
		Off	Not present.
ISC	ISC Slot Status	Green	PVDM4 is present and enabled.
		Amber	Initialized with error.
		Off	Not present.
FAN	Fan Status	Green	All fans are operating.
		Amber	One fan has stopped working.
		Blinking Amber	Two or more fans have stopped working, or the fan tray has been removed.
		Off	Fans are not being monitored.
STAT	System Status	Solid green	System operating normally.
		Blinking amber	BIOS/Rommon is booting.
		Amber	BIOS/Rommon has completed booting, and system is at Rommon prompt or booting platform software.
		Off	System is not out of reset or BIOS image is not loadable.

Figure 3 shows the back panel of Cisco ISR4331/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.

The Modules, Cards, Licenses & Accessories

Specification

Cisco ISR4331/K9 Specification	
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