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Overview

C1-CISCO4221/K9 is the [ISR4221/K9](#) with Cisco ONE Software. Cisco ONE Software suites provide a cost-effective and flexible way for you to acquire software for your data center, routing, switching, and wireless needs. Cisco 4221 Integrated Services router is design to deliver advanced services to the small enterprise branch environment. It delivers 35Mbps thoughtput by default. With pay-as-you-grow performance, you can increase forwarding capacity to 75Mbps by buying licenses.

Quick Specs

Table 1 shows the Quick Specs.

Product Code	C1-CISCO4221/K9
Aggregate Throughput	35 Mbps to 75 Mbps
Total onboard WAN or LAN 10/100/1000 ports	2
RJ-45-based ports	2
SFP-based ports	1
NIM (Network Interface Modules) slots	2
Onboard ISC slot	No
Default memory double-data-rate 3 (DDR3) error-correction-code (ECC) DRAM (Combined control/services/data planes)	4 GB
Flash Memory	8 GB
Power-supply options	External AC only
Rack height	1 RU
Dimensions (H x W x D)	1.72 x 12.7 x 10 in (43.7 x 322.6 x 254 mm)
Weight with AC PS (no modules)	7.1 lb (3.22 kg)

Product Details

Figure 1 shows the LEDs on the front panel of theC1-CISCO4221/K9.



•There are 4 LEDs on the front panel.

Figure 2 shows the back panel of C1-CISCO4221/K9.



Note:

(1)	GE 0/0/0 RJ-45 (copper cable) port	(5)	Console port
(2)	Power switch	(6)	GE 0/0/1 (copper cable) port
(3)	Power input connector	(7)	GE 0/0/0 SFP (fiber-optic) port
(4)	GE "MGMT" port (with USB port below)	(8)	NIM slots

The Modules & Cards

Table 2 shows some recommended modules and cards.

Items	Models	Description
Smart Serial Cables	CAB-SS-449FC	Cisco CAB-SS-449FC RS-449 Cable, DCE Female to Smart Serial, 10 Feet
Console and Auxillary Cables	CAB-ETH-S-RJ45	Cisco Router Cable CAB-ETH-S-RJ45
Network Interface Modules	NIM-1MFT-T1/E1	Cisco Fourth-Generation Multiflex Trunk Voice and WAN network interface module
	NIM-ES2-4	Cisco 4000 Series Integrated Services Router 4-Port Gigabit Ethernet Switch Module layer 2
	NIM-ES2-8	Cisco 4000 Series Integrated Services Router 8-Port Gigabit Ethernet Switch Module NIM
SFPs for On-Board GE Ports	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
	GLC-SX-MMD	Cisco GLC-SX-MMD 1000BASE-SX SFP transceiver module, MMF, 850nm, DOM

Get more information

Do you have any question about the C1-CISCO4221/K9?

Contact us now via [Live Chat](#) or sales@router-switch.com.

Specification

C1-CISCO4221/K9 Specification	
Aggregate Throughput	35 Mbps to 75 Mbps

Total onboard WAN or LAN 10/100/1000 ports	2
RJ-45-based ports	2
SFP-based ports	1
Enhanced service-module slots	0
Doublewide service-module slots	0
NIM slots	2
OIR (all I/O modules)	No
Onboard ISC slot	No
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)	4 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	8 GB
Maximum flash memory	8 GB
External USB 2.0 slots (type A)	1
USB console port -type B mini (up to 115.2 kbps)	0
Serial console port - RJ45 (up to 115.2 kbps)	1 (combo CON/AUX port)
Serial auxiliary port - RJ45 (up to 115.2 kbps)	1 (combo CON/AUX port)
Power-supply options	External: AC Only
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)	1.5 to 0.6A
AC input surge current	90 A peak and less than 3 Arms per half cycle
Typical power (no modules) (watts)	24
Maximum power with AC power supply (watts)	90
Maximum power with PoE power supply (platform only) (watts)	NA (no PoE support)
Maximum endpoint PoE power available from PoE power supply (watts)	NA (no PoE support)

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Support and Resources

 [Cisco ISR 4000 Series Router Datasheet](#)

 [Comparison of Cisco ISR 4000 Models](#)

 [Cisco 4000 Series Integrated Services Routers Frequency Asked Question](#)

Transition Guide

 [Guide to Select New Cisco Routers](#)

 [Guide to Upgrade Your ISR G1 and ISR G2 Routers to ISR 4000](#)

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