

BRAND NEW & VERIFIED



VERIFIED PRODUCT DATASHEET

ISR4221/K9

Cisco Network Hardware Specification, Availability and Quote Reference

Product Model	ISR4221/K9
Document Type	Product Datasheet
Condition	Brand New, Original and Verifieded
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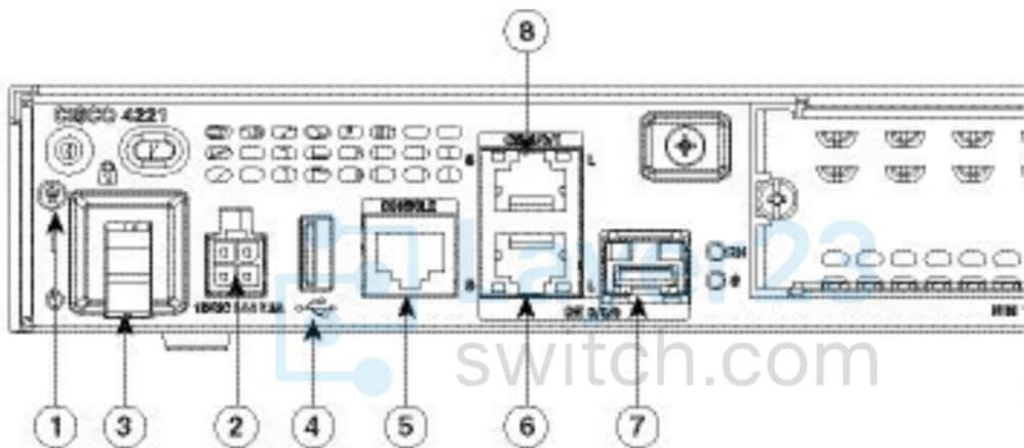
ISR4221/K9 Datasheet

The Cisco ISR4221/K9 datasheet provides verified specifications, key features, and application scenarios. This document helps engineers and IT buyers quickly evaluate the ISR4221/K9 and integrate it into enterprise or service provider networks with confidence.

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Front View



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

Key Features

Entry-Level Branch Routing with Flexible Performance

ISR4221/K9 provides 35–75 Mbps throughput under license, offering an affordable starting point for small offices and scaling as bandwidth needs increase.

Compact Modular Design

With 2 NIM slots, the router supports WAN diversity such as LTE, xDSL, serial, and PRI/BRI, allowing branches to adapt to changing access requirements.

Voice and Collaboration Support via Modules

Compatible with voice NIMs that include onboard PVDM4 DSPs, enabling SRST, transcoding, and conferencing to keep local telephony operational during WAN outages.

Secure WAN Edge for Small Sites

Integrated IOS XE security features, VPN encryption, and SD-WAN readiness make the ISR4221 suitable for distributed enterprises with compliance-driven connectivity needs.

Low Power and Silent Efficiency

Lightweight 1RU form factor, low acoustic profile, and efficient energy use make it ideal for constrained retail or office environments where space and noise matter.

Simple Deployment and Remote Management

Zero-touch provisioning, centralized management with Cisco Catalyst Center, and compatibility with Cisco DNA licensing simplify operations for lean IT teams.

Specification

Parameter	Specification	Parameter	Specification
Model	ISR4221 (Cisco 4000 Series ISR)	Form Factor	1RU rack-mount
GE Ports	2 (1 RJ-45, 1 SFP)	NIM Slots	2
SM-X Slot	None	On-board PVDM/ISC	Not present (voice DSP via NIMs)
DRAM	4 GB fixed (4221), 8 GB fixed (4221X)	Flash	8 GB fixed

Parameter	Specification	Parameter	Specification
Aggregate Throughput	35-75 Mbps (licensed)	Encryption	Hardware-assisted VPN
USB Ports	USB 2.0 Type-A, mini-USB console	Console / AUX	RJ-45 console, RJ-45 auxiliary
Operating System	Cisco IOS XE	Power Supply	External AC PSU only
PoE Capability	Not supported	Cooling	Integrated fan system
Operating Temp	0-40 °C	Humidity	5%-85% non-condensing
Dimensions (H×W×D)	1.72 × 12.7 × 10 in (43.7 × 322.6 × 254 mm)	Weight	~3.2-3.7 kg
Compliance	IEC/EN/UL 60950-1/62368-1, CISPR 22/24 Class A	Licensing	Performance, Security, UC, AppX

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