

BRAND NEW & VERIFIED



VERIFIED PRODUCT DATASHEET

ISR4321/K9

Cisco Network Hardware Specification, Availability and Quote Reference

Product Model	ISR4321/K9
Document Type	Product Datasheet
Condition	Brand New, Original and Verified
Supplier	Layer23-Switch.com

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ISR4321/K9 Datasheet

The Cisco ISR4321/K9 datasheet provides verified specifications, key features, and application scenarios. This document helps engineers and IT buyers quickly evaluate the ISR4321/K9 and integrate it into enterprise or service provider networks with confidence.



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Key Features

Scalable Small-Branch Performance

ISR4321/K9 delivers 50-100 Mbps throughput via flexible performance licensing, ensuring businesses can start with a lower entry cost and upgrade when traffic demands increase.

Modular Expansion for WAN Diversity

Equipped with 2 NIM slots, the router supports a wide range of modules such as LTE, xDSL, serial, PRI/BRI, and EtherSwitch, giving enterprises the ability to adapt quickly to new access technologies.

Reliable Voice and Collaboration Services

By using voice NIMs with onboard PVDM4 DSPs, the router enables SRST, transcoding, and conferencing, helping organizations maintain voice continuity during WAN failures.

Secure WAN Edge with VPN Integration

Hardware-assisted encryption, IPsec VPN, and SD-WAN readiness make the ISR4321 suitable for secure branch connectivity to headquarters or cloud platforms.

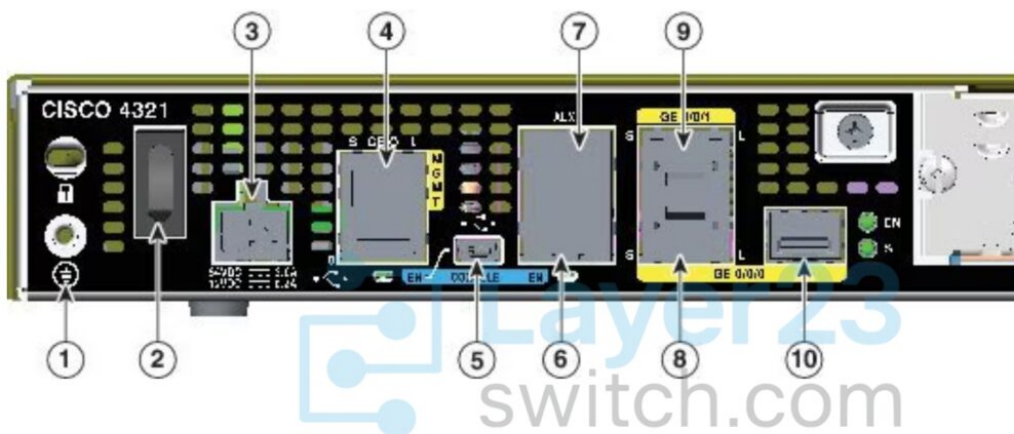
Converged Services with PoE Capability

When combined with PoE-capable EtherSwitch NIMs, the router powers IP phones, access points, or cameras, reducing the need for additional PoE switches at small sites.

Compact and Energy-Efficient Design

The 1RU form factor and low power consumption provide space and energy savings, making ISR4321 ideal for space-constrained environments such as retail stores and small branch racks.

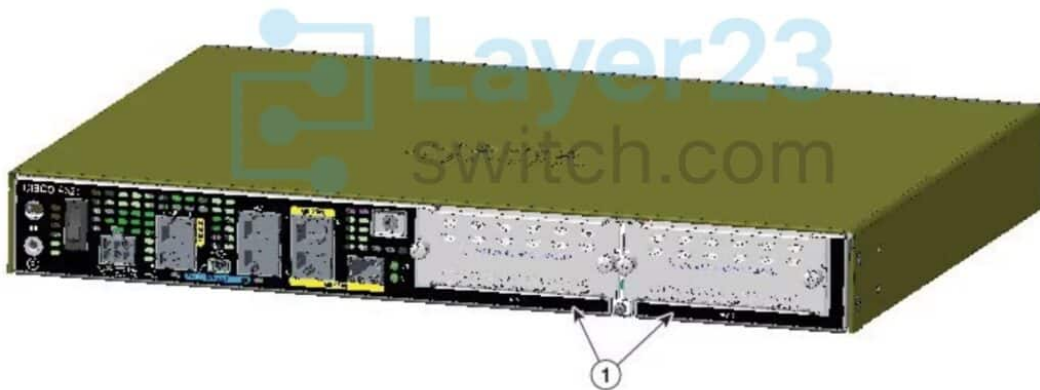
Front View



1	Grounding	2	Power switch
3	Power input connector	4	GE "MGMT" port (with USB port below)
5	USB Type B mini port	6	Console port
7	Auxiliary port	8	GE 0/0/0 (copper cable) port
9	GE 0/0/1 RJ-45 (copper cable) port	10	GE 0/0/0 SFP (fiber-optic) port

Rear View

1	NIM slots
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Specification

Parameter	Specification	Parameter	Specification
Model	ISR4321 (Cisco 4000 Series ISR)	Form Factor	1RU rack-mount
GE Ports	2 × 10/100/1000 (RJ-45/SFP combo)	NIM Slots	2 (single or one double-wide)
SM-X Slot	None	Voice DSP	Via Voice NIM with onboard PVDM4
DRAM Default/Max	4 GB / 8 GB	Flash Default/Max	4 GB / 8 GB
Aggregate Throughput	50-100 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	AC default, optional DC PSU
PoE Capability	Up to 125 W via EtherSwitch NIM with PoE PSU	Cooling	Integrated fans
Operating Temp	0-40 °C	Humidity	10%-90% non-condensing
Dimensions (H×W×D)	1.75 × 17.25 × 12-13 in	Weight	~4.8 kg

Parameter	Specification	Parameter	Specification
Compliance	IEC/EN/UL 60950-1/62368-1, CISPR 22/24 Class A	Licensing	Performance, Security, UC, AppX

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