

CISCO ISR 4000 ROUTERS

ISR4431/K9

4x1G RJ45/SFP Ports · 3 NIM Slots · ISR 4431 Branch Router

New, factory-sealed · 3-year LSCare warranty · Ships from Hong Kong and US stock



Product Model	ISR4431/K9
Category	Cisco ISR 4000 Routers
Condition	New, factory-sealed
Warranty	3-year LSCare warranty
Supplier	Layer23-Switch · www.layer23-switch.com



Scan for price and stock

200+

Countries Served

18,000+

Customers Worldwide

US\$9M+

Ready-Stock Inventory

3-Year

Warranty



CISCO ISR 4000 ROUTERS

ISR4431/K9

4x1G RJ45/SFP Ports · 3 NIM Slots · ISR 4431 Branch Router

The ISR4431/K9 is a Cisco ISR 4431 integrated services router from the Cisco 4000 Family for branch WAN edges that need redundant power in one rack unit. Four onboard 1G ports that each accept RJ-45 or SFP connect the circuits, three NIM slots and an internal PVD4 slot hold modules, and aggregate throughput is 500 Mbps by default or 1 Gbps with a performance license.

New, factory-sealed · 3-year LSCare warranty · 14-day returns · Cisco SN check before shipment

Specifications

Product ID	ISR4431/K9	Rack height	1RU
Total onboard WAN or LAN 10/100/1000 ports	4	RJ-45-based ports	4
SFP-based ports	4, each sharing a physical port with the same-numbered RJ-45 port	Total onboard WAN or LAN 10Gbps ports	0
RJ-45 port standards	10BASE-T, 100BASE-TX, 1000BASE-T	SFP port modules	1000BASE-LX/LH, SX, ZX, CWDM and 100 Mbps SFP modules
Management port	1 dedicated Gigabit Ethernet port (GE0)	NIM slots	3
Enhanced service-module (SM-X) slots	0	Double-wide service-module slots	0
Onboard ISC slot	1, for PVD4 voice DSP modules	UCS E-Series server modules	Not supported
OIR (all I/O modules)	Yes	Aggregate throughput (default)	500 Mbps
Aggregate throughput (performance license)	1 Gbps with FL-44-PERF-K9	Default memory DRAM (data plane)	2 GB
Maximum memory DRAM (data plane)	2 GB	Default memory DRAM (control/services plane)	4 GB
Maximum memory DRAM (control/services plane)	16 GB	Flash	8 GB eMMC
Maximum flash memory	32 GB	External USB 2.0 slots (type A)	2
USB console port (type B mini)	1	Serial console port (RJ-45)	1
Serial auxiliary port (RJ-45)	1	Default power supply	PWR-4430-AC internal AC supply
Power-supply options	Internal AC, DC and PoE	Redundant power supply	Internal AC, DC or PoE second supply, hot-swappable
AC input voltage	100 to 240 VAC autoranging	AC input frequency	47 to 63 Hz
AC input current range	3 to 1.3 A	DC input voltage	48 to 60 VDC, 12 A maximum

Maximum power with AC power supply	250W (no PoE)	Maximum power with DC power supply	437W (no PoE)
Maximum PoE platform power	500W with PoE redundancy; 1000W with PoE boost and no redundancy	Maximum endpoint PoE	250W with optional redundancy; 500W with PoE boost and no redundancy
Front-panel PoE+ ports	Not supported	Typical power (no modules)	65W
Dimensions (H x W x D)	1.73 x 17.25 x 19.97 in (43.9 x 438.15 x 507.2 mm)	Rack-mount 19 in. EIA	Included
Rack-mount 23 in.	Optional	Wall-mount	Supported
Weight with AC PS (no modules)	8.4 kg (18.5 lb)	Weight with AC PS with PoE (no modules)	8.4 kg (18.6 lb)
Typical weight (fully loaded with modules)	10.2 kg (22.4 lb)	Airflow	I/O side to bezel side
MTBF	512,970 hours	Operating temperature	0°C to 40°C (32°F to 104°F)
Storage temperature	-40°C to 70°C (-40°F to 158°F)	Relative humidity	5% to 85% operating; 5% to 95% nonoperating
Operating altitude	0 to 3,050 m (10,000 ft); 0 to 2,000 m (6,560 ft) in China	Sound pressure (typical/maximum)	54.3/79.1 dBA
Sound power (typical/maximum)	57.2/80.8 dBA	Safety certifications	UL 60950-1, CAN/CSA C22.2 No. 60950-1, EN 60950-1, AS/NZS 60950-1, IEC 60950-1
EMC certifications	ICES-003 Class A, EN55032 Class A, CISPR32 Class A, AS/NZS CISPR 32 Class A, VCCI V-3, CNS 13438, EN 300-386, EN 55024, CISPR 24	Software image	universalk9; autonomous and Catalyst SD-WAN controller mode from Cisco IOS XE 17.2.1
Technology packages	IP Base by default; Security, Unified Communications and Application Experience by license	Crypto limits without HSEC	1,000 secure tunnels and 250 Mbps of crypto bandwidth

Get Price and Availability for ISR4431/K9

New, factory-sealed units with a 3-year warranty. Our sales team quotes within one business day, and in-stock orders ship within one business day of payment from our Hong Kong and US warehouses.

[Request a Quote](#)
[View Product Page](#)


Email sales@layer23-switch.com WhatsApp [+86 171 8118 9993](https://wa.me/8617181189993) WeChat [layer23-switch](https://www.layer23-switch.com) Telegram [@layer23_switch](https://t.me/layer23_switch)

Address 2810 North Church Street, Suite 89727, Wilmington, DE 19802, USA

Cisco and Cisco product names are trademarks of Cisco Systems, Inc. Specifications are summarized from manufacturer documentation for reference; confirm the exact configuration with Layer23-Switch before ordering. Revised October 2026.