Cisco 1921 Series Router Datasheet

CONTENT

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OVERVIEW

The Cisco 1921 builds on the best-in-class offering of the Cisco 1841 Integrated Services Routers. All Cisco 1900 Series Integrated Services Routers offer embedded hardware encryption acceleration, optional firewall, intrusion prevention, and advanced security services. In addition, the platforms support the industry's widest range of wired and wireless connectivity options such as Serial, T1/E1, xDSL, Gigabit Ethernet, and third-generation (3G) wireless (Figure 1).

APPEARANCE

Figure 1. Cisco 1921 Integrated Services Router

Service integration

• The Cisco 1921 offers increased levels of services integration with data, security, wireless, and mobility services, enabling greater efficiencies and cost savings.

Services on demand

• A single Cisco IOS Software Universal image is installed on each ISR G2. The Universal image contains all of the Cisco IOS Software technology sets that can be activated with a software license, allowing your business to quickly deploy advanced features without downloading a new Cisco IOS Software image. Additionally, larger default memory is included to support the new capabilities.

High performance with integrated services

• The Cisco 1900 Series enables deployment in high-speed WAN environments with concurrent services enabled up to 15 Mbps.

Network agility

• Designed to address customer business requirements, the Cisco 1921 with the modular architecture offers a performance range of modular interfaces and services as your network needs grow.

• Modular interfaces offer increased bandwidth, a diversity of connection options, and network resiliency.

Energy efficiency

• The Cisco 1921 architecture provides energy-savings features that include the following:

• The Cisco 1900 Series offers intelligent power management and allows you to control power to the modules based on the time of day. Cisco EnergyWise technology will be supported in the future.

• Services integration and modularity on a single platform performing multiple functions optimizes raw-materials consumption and energy usage.

• Platform flexibility and ongoing development of both hardware and software capabilities lead to a longer product lifecycle, lowering all aspects of the TCO, including materials and energy use.

• High-efficiency power supplies are provided with each platform.

• DC Power option available (CISCO1921DC/K9).

Investment protection

• The Cisco 1921 maximizes investment protection:

• Reuse of a broad array of existing modules supported on the original ISRs provides a lower TCO.

• A rich set of Cisco IOS Software features is carried forward from the original ISRs and delivered in the

Universal image.

• This router gives you the flexibility to grow as your business needs evolve.

PRODUCT SPECIFICATIONS OF CISCO 1921 INTEGRATED SERVICES ROUTER	
Services and Slot Density	
Embedded hardware-based cryptography acceleration (IPsec + SSL)	Yes
RJ-45 onboard LAN/WAN 10/100/1000 ports	2
EHWIC slots	2
Doublewide EHWIC slots (use of a doublewide EHWIC slot will consume 2 EHWIC slots)	1
Cisco Integrated Services Module (ISM) slots	0
Memory (DDR2 DRAM): Default/maximum	512 MB/512 MB
USB flash memory (internal): Default/maximum	256 MB/256 MB
External USB flash-memory slots (Type A)	1
USB console port (mini-Type B) (up to 115.2 kbps)	1
Serial console port (up to 115.2 kbps)	1
Serial auxiliary port (up to 115.2 kbps	1
Integrated power supply	AC and DC power-supply models
Power-supply options	POE (external) - on AC models only
Redundant-power-supply support	No
Power Specifications	
AC input voltage	100-240V ~
AC input frequency	47-63 Hz
AC input current range AC power supply (maximum) (amps)	1.5-0.6
AC input surge current	<50A
Typical power (no modules)	25W
Maximum power capacity with AC power supply	60W

Maximum power capacity with PoE power supply (platform only)	70W
Maximum PoE device power capacity with PoE power supply	80W
DC power input	32-60 VDC, 4A, positive or negative, single source
DC input wire size	AWG 14 (2.0 mm2)
Safety ground-wire size	AWG 14 (2.0 mm2), minimum
Wire terminal (lug)	Amp/Tyco No.32957
Overcurrent protection	20A maximum
Physical Specifications	
Dimensions (H x W x D)	1.75 x 13.5 x 11.5 in. (4.45 x 34.29 x 29.21 cm)
Rack height	1 rack unit (1RU)
Rack-mount 19 in. (48.3 cm) EIA	Optional
Wall-mount (refer to installation guide for approved orientation)	Yes
Weight: With AC power supply (no modules)	6.75 lb
Weight: With PoE power supply (no modules)	7.5 lb
Airflow	Back to sides
Environmental Specifications	
Operating Conditions	
Temperature: 5906 ft (1800m) maximum altitude	32-104°F (0-40°C)
Temperature: 9843 ft (3000m) maximum altitude	32-77°F (0-25°C)
Altitude	10,000 ft (3,000m)
Humidity	10 to 85% relative humidity (RH)
Acoustic: Sound pressure (typical/maximum)	32.99/58.33 dBA
Acoustic: Sound power (typical/maximum)	41.99/67.22 dBA
Transportation and Storage Conditions	
Temperature	-40 to 158°F (-40 to 70°C)

Humidity	5 to 95% RH
Altitude	15,000 ft (4,570m)
Regulatory Compliance	
Safety	UL 60950-1
	CAN/CSA C22.2 No. 60950-1
	EN 60950-1
	AS/NZS 60950-1
	IEC 60950-1
EMC	47 CFR, Part 15
	ICES-003 Class A
	EN55022 Class A
	CISPR22 Class A
	AS/NZS 3548 Class A
	VCCI V-3
	EN 300-386
	EN 61000 (Immunity)
	EN 55024, CISPR 24
	EN50082-1
Telecom	TIA/EIA/IS-968
	CS-03
	ANSI T1.101
	IEEE 802.3
	RTTE Directive

CISCO 1921 BASIC ORDERING INFORMATION

CISCO1921/K9	Cisco ISR 1900 Series, Cisco 1921 Modular Router, 2 GE, 2 EHWIC slots, 512DRAM, IP Base
CISCO1921-SEC/K9	Cisco 1921 Security Bundle w/SEC license PAK
CISCO1921-T1SEC/K9	Cisco 1921 T1 Bundle incl. HWIC-1DSU-T1,256F/512D, SEC Lic
CISCO1921-ADSL2/K9	Cisco 1921 ADSL2+ Bundle, HWIC-1ADSL, 256F/512D, IP Base Lic
C1921-4SHDSL/K9	Cisco 1921 4-pair SHDSL Bundle, HWIC-4SHDSL, IP Base Lic
C1921-ADSL2-M/K9	Cisco 1921 ADSL2 Anx M Bundle, HWIC-1ADSL-M, IP Base Lic
C1921-3G-G-SEC/K9	Cisco 1900 Series Wireless WAN Bundle C1921-3G-G-SEC/K9
C1921-3G-U-SEC/K9	Cisco 1900 Series Wireless WAN Bundle C1921-3G-U-SEC/K9
C1921-3G-G-K9	Cisco 1900 Series Wireless WAN Bundle C1921-3G-G-K9
C1921-3G-S-SEC/K9	Cisco 1900 Series Wireless WAN Bundle C1921-3G-S-SEC/K9
C1921-3G-S-K9	Cisco 1900 Series Wireless WAN Bundle C1921-3G-S-K9
C1921-3G-U-K9	Cisco 1900 Series Wireless WAN Bundle C1921-3G-U-K9
C1921-3G-V-K9	Cisco 1900 Series Wireless WAN Bundle C1921-3G-V-K9
C1921-3G-V-SEC/K9	Cisco 1900 Series Wireless WAN Bundle C1921-3G-V-SEC/K9
MEM-1900-2GB	Cisco Memory MEM-1900-2GB
MEM-1900-1GB	Cisco Memory MEM-1900-1GB
MEM-1900-512MB	Cisco Memory MEM-1900-512MB
MEM-1900-512U2.5GB	Cisco Memory MEM-1900-512U2.5GB
MEM-1900-512U1.5GB	Cisco Memory MEM-1900-512U1.5GB
MEM-1900-512U1GB	Cisco Memory MEM-1900-512U1GB
MEM-CF-4GB	Cisco Memory MEM-CF-4GB
MEM-CF-2GB	Cisco Memory MEM-CF-2GB
MEM-CF-1GB	Cisco Memory MEM-CF-1GB
MEM-CF-512MB	Cisco Memory MEM-CF-512MB
MEM-CF-256MB	Cisco Memory MEM-CF-256MB
MEM-CF-256U2GB	Cisco Memory MEM-CF-256U2GB
MEM-CF-256U1GB	Cisco Memory MEM-CF-256U1GB
MEM-CF-256U512MB	Cisco Memory MEM-CF-256U512MB

MEM-1900-2GB=	2GB DRAM (1 DIMM) for Cisco 1941/1941W ISR, Spare
MEM-1900-1GB=	1GB DRAM (1 DIMM) for Cisco 1941/1941W ISR, Spare
C1-CISCO1921/K9	Cisco ONE - ISR 1921

ADDITIONAL INFORMATION

Guide to Select New Cisco Routers

Guide to Upgrade Your ISR G1 and ISR G2 Routers to ISR 4000

Cisco ISR 4451-X vs. ISR 3900 vs. ISR 2900 vs. ISR 1900

WHERE TO BUY

Want to buy this series of products? please contact:

● Tel: +1-626-239-8066 (USA)/ +852-3050-1066 / +852-3174-6166

● Fax: +852-3050-1066 (Hong Kong)

● Email: sales@router-switch.com (Sales Inquiries)

Or visit: Cisco ISR 1921 Series Routers

About us

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SOURCES

https://www.cisco.com/c/en/us/products/collateral/routers/1900-series-integrated-services-routers-isr/data_sheet_c78-598389.html