



C921-4P DATASHEET



Overview

The Cisco C921-4P is a robust router designed for secure broadband and Metro Ethernet connectivity that has 2 Gigabit Ethernet WAN ports and a 4-port Gigabit Ethernet managed LAN switch, supporting multiple devices with high-speed network access. Ideal for small to medium enterprise branch offices and managed service provider environments, the C921-4P delivers integrated security with advanced threat defense, including firewall, VPN, and encryption capabilities. The router supports centralized and remote management via Cisco IOS software, easing configuration and ongoing maintenance. It offers high reliability, seamless multi-service operation, and compact form factor suitable for enterprise edge deployments.

QUICK SPEC

FIGURE 1: APPEARANCE OF C921-4P



TABLE 1: Quick Specs

SKU	C921-4P
Ports	2 x Gigabit Ethernet WAN ports, 4 x Gigabit Ethernet LAN ports (managed switch)
Weight	1.2 kg
Dimensions (W x H x D)	1.7 x 9.0 x 9.5



Product Details

FIGURE 2: FRONT PANEL OF C921-4P



FIGURE 3: BACK PANEL OF C921-4P



C921-4P Switch provides these features:

1. WAN and LAN Connectivity

This model provides 2 Gigabit Ethernet WAN ports along with a 4-port Gigabit Ethernet managed LAN switch, enabling connectivity for multiple devices with high-speed Ethernet.

2. High Availability and Business Continuity

It supports redundant WAN connections with failover protection and load balancing. Dynamic failover protocols such as VRRP, HSRP, and Multigroup HSRP ensure reliable network uptime.

3. Integrated Security

It includes advanced perimeter security with an application inspection firewall, high-speed IPsec encryption (3DES, AES), intrusion prevention, security hardware acceleration, FlexVPN, and next-generation encryption technologies for lasting secure communication.

4. Application Performance

It can run multiple services simultaneously without degradation in application performance, ensuring productivity and seamless operations at the branch.





5. Simplified Operations

It has unified management of wired and wireless networks from a common console streamlines configuration and operational tasks.

6. Remote Management

It supports remote configuration and management capabilities through separate console ports, web-based tools, and Cisco IOS Software, reducing the need for local IT intervention.

7. Cisco IOS Software Features

It supports a wide range of protocols and technologies including GRE, OSPF, BGP, DHCP, QoS, IPv4/IPv6, VPN, firewall, and more for versatile and comprehensive network services.

8. Software Licensing

It comes with a Cisco IOS Universal Image, with licensing options for IP Base (default), Application Experience, and Security packages to enable required features per business needs.

9. Hardware Specifications

It has compact form factor with dimensions approximately 1.7 x 9.0 x 9.5 inches, weighs about 1.2 kg.

10. Environmental and Safety

It operates in temperatures up to 50°C, complies with international safety and emission standards, suitable for enterprise edge environments with reliable build quality.

SPECIFICATION

C921-4P SPECIFICATION	
Model	C921-4P
Dimensions	1.7 x 9.0 x 9.5
Weight	1.2 kg
WAN interfaces	2 ports Gigabit Ethernet (GE)
LAN interfaces	4-port GE managed switch
Integrated USB 2.0	Yes
Maximum crypto throughput (bit-rate policed)	150 Mbps



IP and IP services	<ul style="list-style-type: none">• Routing Information Protocol Versions 1 and 2 (RIPv1 and RIPv2)• Generic Routing Encapsulation (GRE) and Multipoint GRE (MGRE)• Cisco Express Forwarding• Standard 802.1d Spanning Tree Protocol• Layer 2 Tunneling Protocol (L2TP)• L2TP Version 3 (L2TPv3)• Network Address Translation (NAT)• Dynamic Host Configuration Protocol (DHCP) server, relay, and client• Dynamic DNS• DNS Proxy• DNS Spoofing• Access Control Lists (ACLs)• IPv4 and IPv6 multicast• Open Shortest Path First (OSPF)• Border Gateway Protocol (BGP)• Performance Routing (PfR)• Enhanced Interior Gateway Routing Protocol (EIGRP)• Virtual Route Forwarding (VRF) Lite• Next Hop Resolution Protocol (NHRP)• Bidirectional Forwarding Detection (BFD)• Web Cache Communication Protocol (WCCP)
Security features	<ul style="list-style-type: none">• Secure Sockets Layer (SSL) VPN for secure remote access• Hardware-accelerated DES, 3DES, AES 128, AES 192, and AES 256• Public-Key-Infrastructure (PKI) support• 50 IPsec tunnels• Cisco Easy VPN client and server• NAT transparency



	<ul style="list-style-type: none">• Dynamic Multipoint VPN (DMVPN)• Tunnel-less Group Encrypted Transport VPN (GET VPN)• VRF-aware IPsec• IPsec over IPv6• Adaptive control technology• Session Initiation Protocol (SIP) application-layer gateway• Cisco IOS Firewall:• Zone-based policy firewall• VRF-aware stateful inspection routing firewall• Stateful inspection transparent firewall• Advanced application inspection and control• HTTPS, FTP, and Telnet Authentication Proxy• Dynamic and static port security• Firewall stateful failover• VRF-aware firewall• Cisco IOS Software black and white lists• Integrated threat control:• Intrusion Prevention System (IPS)• Control plane policing• Flexible packet matching• Network foundation protection
Quality of Service (QoS)	<ul style="list-style-type: none">• Low-Latency Queuing (LLQ)• Weighted Fair Queuing (WFQ)• Class-Based WFQ (CBWFQ)• Class-Based Traffic Shaping (CBTS)• Class-Based Traffic Policing (CBTP)• Policy-Based Routing (PBR)• Class-Based QoS MIB• Class of Service (CoS)-to-Differentiated Services Code Point (DSCP) mapping• Class-Based Weighted Random Early Detection (CBWRED)



	<ul style="list-style-type: none">• Network-Based Application Recognition (NBAR)• Link Fragmentation and Interleaving (LFI)• Resource Reservation Protocol (RSVP)• Real-Time Transport Protocol (RTP) header compression (cRTP)• Differentiated Services (DiffServ)• QoS preclassify and prefragmentation• Hierarchical QoS (HQoS)
Management	<ul style="list-style-type: none">• Cisco Configuration Professional• Cisco Configuration Express• Cisco Configuration Engine support• Cisco AutoInstall• Cisco IP Service-Level Agreement (IP SLA)• Cisco IOS Embedded Event Manager (EEM)• CiscoWorks• Cisco Security Manager• Telnet, Simple Network Management Protocol Version 3 (SNMPv3), Secure Shell (SSH) Protocol, Command-Line Interface (CLI),• and HTTP management• RADIUS and TACACS+• Cisco Next Generation Plug-and-Play (NG PnP) Protocol
High availability	<ul style="list-style-type: none">• Virtual Router Redundancy Protocol (VRRP) (RFC 2338)• HSRP• MHSRP
IPv6	<ul style="list-style-type: none">• IPv6 addressing architecture• IPv6 name resolution• IPv6 statistics



	<ul style="list-style-type: none">• IPv6 translation: Transport packets between IPv6-only and IPv4-only endpoints (NAT-Protocol Translation)• Internet Control Message Protocol Version 6 (ICMPv6)• IPv6 DHCP• OSPFv3• BGP4+• IPv6 Path Maximum Transmission Unit (PMTU)• IPv6 neighbor discovery• IPv6 stateless address autoconfiguration (SLAAC)• IPv6 multicast routing
Number of recommended users	50
Power supply	<ul style="list-style-type: none">• AC input voltage: Universal 100 to 240 VAC• Frequency: 50 to 60 Hz• Internal power supply (C921-4P and C931-4P only)
Nonoperating temperature	-40° to 158°F (-40° to 70°C)
Nonoperating humidity	5% to 95% relative humidity (noncondensing)
Nonoperating altitude	0 to 15,000 ft (0 to 4570 m)
Operating temperature	0° to 50°C (de-rate 1°C per 1000-ft increase in altitude)
Operating humidity	5% to 95% relative humidity (noncondensing)
Nonoperating altitude	0 to 10,000 ft (0 to 3000 m)



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