

Cisco Integrated Services Router 927 (C927-4P)

Cisco Integrated Services Router 927 - Router - cable modem 4-port switch - 1GbE - WAN ports: 2

The Cisco 900 Series Integrated Services Routers (ISRs) combine Internet access, comprehensive security, and wireless services in a single high-performance device that is easy to deploy and manage. They are well suited for deployment as Customer Premises Equipment (CPE) in enterprise small branch offices and in service provider managed-service environments.

Key Selling Points

- High availability and business continuity
- Consistent, high application performance levels
- Risk mitigation with multilevel security
- Feature consolidation for real estate, Capital Expenditures (CapEx), and management savings
- Unified control of wired and wireless networks from a common console for streamlined operations
- Remote configuration and management to keep local IT staff lean

Product Features

- Enhanced security**
With support for encryption algorithms including 128-bit AES, 192-bit AES, 256-bit AES, DES, Triple DES, PKI, and SSL, this router ensures your network's security is a top priority, safeguarding data from unauthorized access.
- Comprehensive connectivity**
Features a versatile range of interfaces including Ethernet 10Base-T/100Base-TX/1000Base-T for WAN and LAN, VDSL/ADSL2+ for broadband connection, and a USB 2.0 port for additional connectivity options, ensuring comprehensive network integration.
- Advanced networking capabilities**
Boasts a suite of sophisticated networking features such as Access Control List (ACL) support, Quality of Service (QoS), Dynamic Multipoint VPN (DMVPN), and support for multiple routing protocols including BGP, OSPF, and EIGRP, facilitating efficient and flexible network management.
- Robust performance**
Powered by a 2.2 GHz processor and equipped with a 4-port switch, this router delivers high-speed data processing and seamless connectivity, making it ideal for supporting demanding network environments.
- Reliable operation**
Designed to operate within a wide range of temperatures and humidity, ensuring reliable performance in various operating conditions. Compliance with multiple standards including FCC, EN, and IEC, underscores its quality and reliability.

Main specifications

Product Description	Cisco Integrated Services Router 927 - router - cable modem - desktop
Device Type	Router - cable modem - 4-port switch (integrated)
Enclosure Type	Desktop
Digital Signaling Protocol	VDSL, ADSL2+
WAN Ports Qty	2
Data Link Protocol	Ethernet, Fast Ethernet, Gigabit Ethernet
Network / Transport Protocol	L2TP, RSVP, ICMP/IP, IPSec, FTP, DHCP, DNS, L2TPv3, DDNS, RTP, HTTP, HTTPS, cRTP
Routing Protocol	OSPF, RIP-1, RIP-2, BGP, EIGRP, HSRP, VRRP, NHRP, IGMPv3, GRE, OSPFv3, policy-based routing (PBR), BGP-4+, WCCP, Bidirectional Forwarding Detection (BFD), RSVP, STP, MGRE
Remote Management Protocol	Telnet, SNMP 3, HTTP, HTTPS, SSH, CLI
Features	NAT support, auto-uplink (auto MDI/MDI-X), IGMP snooping, DiffServ support, MAC address filtering, LLQ, CBWFQ, WFQ, ACL support, QoS, LFI, DMVPN, DHCP server, VRF-Lite, DNS proxy, DHCP relay, DHCP client, MIB, NDP, VPN Server, FNF, DSCP support, Storm Control, SmartPort technology, VPN client, HQoS, SPAN, EEM, MHSRP, NBAR, NBAR 2, Pfr, CBTS, CBTP, CBWRED, Cisco IP SLA, Cisco NG PnP Protocol
Compliant Standards	IEEE 802.1D, IEEE 802.1Q, IEEE 802.1x
Power	DC 12 V
Dimensions (WxDxH)	25.91 cm x 17.78 cm x 2.8 cm
Manufacturer Warranty	1-year warranty

Extended specification

General

Device Type	Router - 4-port switch (integrated)
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Enclosure Type	Desktop
Connectivity Technology	Wired
Data Link Protocol	Ethernet, Fast Ethernet, Gigabit Ethernet
Network / Transport Protocol	L2TP, RSVP, ICMP/IP, IPSec, FTP, DHCP, DNS, L2TPv3, DDNS, RTP, HTTP, HTTPS, cRTP
Routing Protocol	OSPF, RIP-1, RIP-2, BGP, EIGRP, HSRP, VRRP, NHRP, IGMPv3, GRE, OSPFv3, policy-based routing (PBR), BGP-4+, WCCP, Bidirectional Forwarding Detection (BFD), RSVP, STP, MGRE
Remote Management Protocol	Telnet, SNMP 3, HTTP, HTTPS, SSH, CLI
Encryption Algorithm	DES, Triple DES, AES, SSL, PKI, 128-bit AES, 192-bit AES, 256-bit AES
Authentication Method	Secure Shell (SSH), RADIUS, TACACS+
Features	NAT support, auto-uplink (auto MDI/MDI-X), IGMP snooping, DiffServ support, MAC address filtering, LLQ, CBWFQ, WFQ, ACL support, QoS, LFI, DMVPN, DHCP server, VRF-Lite, DNS proxy, DHCP relay, DHCP client, MIB, NDP, VPN Server, FNF, DSCP support, Storm Control, SmartPort technology, VPN client, HQoS, SPAN, EEM, MHSRP, NBAR, NBAR 2, Pfr, CBTS, CBTP, CBWRED, Cisco IP SLA, Cisco NG PnP Protocol
Compliant Standards	IEEE 802.1D, IEEE 802.1Q, IEEE 802.1x, EN 61000-6-1, AS/NZS 60950-1, FCC CFR47 Part 15, UL 60950-1, IEC 60950-1, EN 60950-1, VCCI V-3, KN24, EN 55024:2010, CNS13438:2006, EN 61000-3-2:2006, EN 61000-3-3:2008, EN 300 386 V1.6.1, CISPR 24:2010, CISPR 22:2008, TCVN 7189, EN 55032, CAN/CSA-C22.2 No. 60950-1, TCVN 7317, KN22:2009, ICES-003:2012 Issue 5, EN 300 386
Processor	2.2 GHz
RAM	1 GB
Flash Memory	2 GB

Expansion / Connectivity

Interfaces	WAN: 1 x 10Base-T/100Base-TX/1000Base-T - RJ-45 WAN: 1 x VDSL / ADSL2+ LAN: 4 x 10Base-T/100Base-TX/1000Base-T - RJ-45 Management: 1 x console - RJ-45 USB 2.0: 1 x 4 pin USB Type A
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Manufacturer Warranty

Service & Support	Limited warranty - advance parts replacement - 1 year - response time: 10 days
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Power

Power Device	External power adapter - 30 watt
Voltage Required	DC 12 V

Software / System Requirements

OS Provided	Cisco IOS IP Base
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Environmental Parameters

Min Operating Temperature	0 °C
Max Operating Temperature	45 °C
Humidity Range Operating	5 - 95% (non-condensing)

Communications

Type	Cable modem
Digital Signaling Protocol	VDSL, ADSL2+
Protocols & Specifications	ITU G.992.5 Annex A

Dimensions & Weight

Width	25.91 cm
Depth	17.78 cm
Height	2.8 cm

What's in the box

Cisco Integrated Services Router 927

External power adapter

Product data is provided by CNET, we do not warrant the accuracy and completeness of the material contained in this data sheet