

Cisco SRW208P 8-Port 10/100 Ethernet Switch: WebView/PoE

Cisco Small Business Managed Switches

Highly Secure, Reliable Switching with PoE for Small Businesses

Highlights

- Connects up to eight network devices - PCs, printers, and servers - to share and transfer files and videos across your network
- Power over Ethernet easily and cost-effectively powers wireless access points, video cameras, and other network-connected endpoints
- Strong security protects network traffic to keep unauthorized users off the network
- Intelligent QoS helps ensure a consistent network experience and supports networked applications including voice, video, and data storage
- Simplified, web-based management for easy installation and configuration

Figure 1. Cisco SRW208P 8-Port 10/100 Ethernet Switch: WebView/PoE



Product Overview

Growing businesses require cost-effective networking solutions that can scale to meet ever-changing business needs. The Cisco® SRW208P 8-Port 10/100 Ethernet Switch (Figure 1) brings increased intelligence and security to the network infrastructure. Its intelligence and small size make it ideal for a conference room or training room where security and uptime are important. The switch offers two Gigabit copper or optical interfaces for connection to a core switch.

For wireless or voice over IP (VoIP) deployments, the Cisco SRW208P supports the IEEE 802.3af standard for Power over Ethernet (PoE). Automatic load sensing automatically detects Power over Ethernet on the end device before providing power. Power feeding of Ethernet is limited for the fixed 10BASE-T/100BASE-TX ports. The switch can provide maximum output power per PoE port up to 15.4W on four ports or 7.5W per PoE port on eight ports simultaneously. Each port has independent overload and short-circuit protection, with LED indicators for power status.

Network security is a top priority in any size business. Most business data networks, large and small, are unsecured. Unauthorized access to the network and mission-critical data is a constant concern. The Cisco SRW208P helps secure the network through 802.1X port authentication and MAC filtering. The 802.1X standard requires clients to authenticate themselves before the port will pass data for them.

Businesses are recognizing the benefits of VoIP and are quickly migrating their voice services to IP-based platforms, requiring their local area networks to support both voice and data applications. In unmanaged IP networks, bursty data sessions can disrupt voice packet delivery, causing poor voice quality. With the enhanced quality of service (QoS) and traffic-management features in the Cisco SRW208P, voice data can be prioritized, helping ensure clear and reliable voice communications.

The advanced features of the Cisco SRW208P can help you further secure the integrity of your network. WebView provides an intuitive, highly secure management interface, enabling you to better utilize the comprehensive feature set of the switch, for a better-optimized, more secure network.

Features

- Eight 10/100 switched RJ-45 ports deliver up to 200 Mbps of throughput per port
- Two 10/100/1000 switched RJ-45 mini Gigabit Interface Converter (mini-GBIC) combo ports
- PoE on the 10/100 ports supplies up to the IEEE 802.3af maximum of 15.4W per port for up to four ports or 7.5W per port on eight ports
- 5.6-Gbps nonblocking, store-and-forward switching mechanism
- Simplified QoS management enabled by advanced queuing techniques using 802.1p, differentiated services (DiffServ), or type of service (ToS) traffic prioritization specifications
- Configuration and monitoring from a standard web browser with WebView management
- Secure remote management of the switch via Secure Shell (SSH) and SSL secure channel network protocols
- 802.1Q-based VLANs enable segmentation of networks for improved performance and security
- Private VLAN Edge (PVE) for simplified network isolation of guest connections or autonomous networks
- Automatic configuration of VLANs across multiple switches through Generic VLAN Registration Protocol (GVRP) and Generic Attribute Registration Protocol (GARP)
- Automatic medium dependent interface (MDI) and MDI crossover (MDI-X) detection
- User/network port-level security via 802.1X authentication and MAC-based filtering
- Increased bandwidth (up to 8x) and added link redundancy with Link Aggregation Control Protocol (LACP)
- Enhanced rate-limiting capabilities provide control, including back pressure to control the rate that data at which can flow into and out of a port
- Multicasting, broadcasting, and flooding control
- Port mirroring for noninvasive monitoring of switch traffic
- Jumbo frame support - up to 1632 bytes
- Simple Network Management Protocol (SNMP) versions 1, 2c, and 3
- Fully rack mountable using the included rack-mounting hardware

Specifications

Table 1 contains the specifications, package contents, and minimum requirements for the Cisco SRW208P 8-Port Gigabit Switch.

Table 1. Specifications for the Cisco SRW208P 8-Port Gigabit Switch: WebView/PoE

Specifications	
Ports	<ul style="list-style-type: none"> • 8 RJ-45 connectors for 10BASE-T and 100BASE-TX • 2 RJ-45 connectors for 10BASE-T/100BASE-TX/1000BASE-T with 2 Small Form-Factor Pluggable (SFP) slots • Console port • Auto MDI/MDI-X • Auto negotiate/manual setting
Cabling type	<ul style="list-style-type: none"> • Unshielded twisted pair (UTP) Category 5 or better for 10BASE-T/100BASE-TX • UTP Category 5e or better for 1000BASE-T
LEDs	10/100 Link/Act, PoE, 2 Giga Link/Act, Speed, System
PoE	802.3af compliant. Supply up to IEEE standard maximum of 15.4W on four 10/100 ports or up to 7.5W on eight 10/100 ports
Performance	
Switching capacity	5.6 Gbps nonblocking
Forwarding rate	4.17 mpps wire-speed performance
Layer 2	
MAC table size	8000
Number of VLANs	256 active VLANs (4096 range)
VLAN	<ul style="list-style-type: none"> • Port-based and 802.1Q tag-based VLANs • Management VLAN
Head-of-line (HOL) blocking	HOL blocking prevention
Management	
Web user interface	Built-in web user interface for easy browser-based configuration (HTTP/HTTPS)
SNMP	SNMP versions 1, 2c, and 3 with support for traps
SNMP MIBs	RFC1213 MIB-2, RFC2863 interface MIB, RFC2665 Ether-like MIB, RFC1493 bridge MIB, RFC2674 extended bridge MIB (P-bridge, Q-bridge), RFC2819 RMON MIB (groups 1, 2, 3, and 9 only), RFC2737 entity MIB, RFC 2618 RADIUS client MIB, RFC 1215 traps, private PoE MIB
Remote Monitoring (RMON)	Embedded RMON software agent supports 4 RMON groups (history, statistics, alarms, and events) for enhanced traffic management, monitoring, and analysis.
Firmware upgrade	Web browser upgrade (HTTP) and Trivial File Transfer Protocol (TFTP)
Port mirroring	Traffic on a port can be mirrored to another port for analysis with a network analyzer or RMON probe
Other management	<ul style="list-style-type: none"> • Traceroute • SSL • Secure Shell (SSH) • RADIUS • Port mirroring • TFTP upgrade • SSL security for web user interface • Dynamic Host Configuration Protocol (DHCP) client • BOOTP • Simple Network Time Protocol (SNTP) • Xmodem upgrade • Cable diagnostics • Ping • Telnet client (SSH secure support)
Security	
IEEE 802.1X	802.1X - RADIUS authentication; MD5 encryption

Access control	Access control lists (ACLs): drop or rate limit based on: <ul style="list-style-type: none"> • Source and destination MAC-based • Source and destination IP address • Protocol • ToS/ differentiated services code point (DSCP) • Port • VLAN • EtherType
Availability	
Link aggregation	<ul style="list-style-type: none"> • Link aggregation using IEEE 802.3ad LACP • Up to 8 ports in up to 8 groups
Storm control	Broadcast, multicast, and unknown unicast
Spanning Tree	<ul style="list-style-type: none"> • IEEE 802.1D Spanning Tree • IEEE 802.1w Rapid Spanning Tree • IEEE 802.1s Multiple Spanning Tree
Internet Group Management Protocol (IGMP) snooping	IGMP (versions 1 and 2) snooping provides for fast client joins and leaves of multicast streams and limits bandwidth-intensive video traffic to only the requestors. Supports 256 multicast groups.
QoS	
Priority levels	4 hardware queues
Scheduling	Priority queuing and weighted round-robin (WRR)
Class of service	<ul style="list-style-type: none"> • Port based • 802.1p VLAN priority based • IPv4/v6 IP precedence/ToS/DSCP based • TCP/User Datagram Protocol (UDP) port based • DiffServ • Classification and re-marking ACLs
Rate limiting	<ul style="list-style-type: none"> • Ingress policer • Egress rate control
Standards	802.3 10BASE-T Ethernet, 802.3u 100BASE-TX Fast Ethernet, 802.3ab 1000BASE-T Gigabit Ethernet, 802.3z Gigabit Ethernet, 802.3x flow control, 802.3ad LACP, 802.3af PoE, 802.1D Spanning Tree Protocol (STP), 802.1Q/p VLAN, 802.1w Rapid STP, 802.1s Multiple STP, 802.1x port access authentication
Environmental	
Dimensions	11 x 1.75 x 6.69 in.
W x H x D	(279.4 x 44.5 x 170 mm)
Unit weight	2.65 lb (1.2 kg)
Power	External AC power adapter
Certification	FCC Part 15 Class A, CE Class A, UL, cUL, CE mark, CB
Operating temperature	32° to 104°F (0° to 40°C)
Storage temperature	-4° to 158°F (-20° to 70°C)
Operating humidity	10% to 90%
Storage humidity	10% to 95%
Package Contents	
<ul style="list-style-type: none"> • Cisco SRW208P 8-Port Gigabit Switch • AC power adapter with power cord • Two rack-mounting kits with eight screws • CD with user guide in PDF format • Registration card • Console cable 	
Minimum Requirements	
<ul style="list-style-type: none"> • Web-Based Utility: Web Browser - Microsoft Internet Explorer (Version 5.5 or Above) • Cat5 Ethernet Network Cables • Operating System: Windows 2000, XP or Above 	

Product Warranty

5-year limited hardware warranty with return to factory replacement and 90-day limited software warranty

Cisco Limited Warranty for Cisco Small Business Series Products

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