Cisco SRW208 8-Port 10/100 Ethernet Switch: WebView
Cisco Small Business Managed Switches

Secure, Reliable, Intelligent Managed Switching for Your Small Business

Highlights

- Connects up to eight network devices - PCs, printers, and wireless access points - to share and transfer files and videos across your network
- Simplified, web-based management for easy installation and configuration
- Security down to the switch port level keeps unauthorized users off the network
- Intelligent QoS helps ensure a consistent network experience and supports networked applications including voice, video, and data storage

Figure 1.   Cisco SRW208 8-Port 10/100 Ethernet Switch: WebView

Product Overview

Growing businesses require cost-effective networking solutions that can scale with ever-changing business needs. The Cisco® SRW208 8-Port 10/100 Ethernet Switch with WebView (Figure 1) brings a whole new level of intelligence and security to the network infrastructure. The combination of its intelligence and small size make it ideal for a conference room or training room where security and uptime are important.

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 SRW208 is able to secure the network through 802.1X port authentication and MAC-based filtering. The 802.1X standard requires clients to authenticate themselves before the port will pass data for them.

Businesses are recognizing the benefits of voice over IP (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 SRW208, voice data can be prioritized, ensuring clear and reliable voice communications.

Enabling the advanced features of the Cisco SRW208 further secures the integrity of your network. The WebView interface provides an intuitive, 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
- 1.6-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
- 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 link redundancy with Link Aggregation Control Protocol (LACP)
- Enhanced rate-limiting capabilities and storm control, including multicast, broadcast, and flood 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 SRW208 8-Port 10/100 Ethernet Switch.

Table 1.   Specifications for the Cisco SRW208 8-Port 10/100 Ethernet Switch: WebView

Specifications	
Ports	• 8 RJ-45 connectors for 10BASE-T and 100BASE-TX • Console port • Auto MDI/MDI-X • Auto negotiate/manual setting
Cabling type	Unshielded twisted pair (UTP) Category 5 or better for 10BASE-T/100BASE-TX
LEDs	10/100 Link/Act, Speed, System
Performance	
Switching capacity	1.6 Gbps, nonblocking
Forwarding rate	1.19 mpps wire-speed performance
Layer 2	
MAC table size	8000
Number of VLANs	256 active VLANs (4096 range)

VLAN	• 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
RMON	Embedded Remote Monitoring (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	• Traceroute • SSL • SSH • RADIUS • Port mirroring • TFTP upgrade • SSL security for web user interface • 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:
	  ◦ Source and destination MAC-based
	  ◦ Source and destination IP address
	  ◦ Protocol
	  ◦ ToS/DSCP
	  ◦ Port
	  ◦ VLAN
	  ◦ Ethertype

Availability	
Link aggregation	• 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	• IEEE 802.1D Spanning Tree, IEEE 802.1w Rapid Spanning Tree • IEEE 802.1s Multiple Spanning Tree
IGMP snooping	Internet Group Management Protocol (IGMP) (v1/v2) snooping provides for fast client joins and leaves of multicast streams and limits bandwidth-intensive video traffic to only the requestors. Support 256 multicast groups.
QoS	
Priority levels	4 hardware queues

Scheduling	Priority queuing and weighted round-robin (WRR)
Class of service	- 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	- Ingress policer - Egress rate control
Standards	802.3 10BASE-T Ethernet 802.3u 100BASE-TX Fast Ethernet 802.3ab 802.3x flow control 802.3ad LACP 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 **W x H x D**	11 x 1.75 x 6.69 in. (279 x 45 x 170 mm)
Unit weight	2.20 lb (1 kg)
Power	External AC power adapter
Certification	FCC Part 15 Class A, CE Class A, UL, cUL, CE mark, CB
Operating temperature	32º to 104ºF (0 º to 40ºC)
Storage temperature	-4º to 158ºF (-20º to 70ºC)
Operating humidity	10% to 90%
Storage humidity	10% to 95%
Package Contents	
- Cisco SRW208 8-Port 10/100 Ethernet Switch - AC power adapter with power cord - Two rack-mounting kits/eight screws - CD with user guide in PDF Format - Online registration card - Console cable	
Minimum Requirements	
- Web-based utility: Microsoft Internet Explorer (version 5.5 or later) - Category 5 Ethernet network cables - Operating system: Windows 2000, XP, or later	
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

This Cisco Small Business product comes with a 5-year limited hardware warranty with return to factory replacement and a 90-day limited software warranty. In addition, Cisco offers software application updates for bug fixes and telephone technical support at no charge for the first 12 months following the date of purchase. To download software updates, go to: http://www.cisco.com/go/smallbiz.

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