



## Cisco SRW208G 8-Port 10/100 Ethernet Switch: WebView/Expansion Slots Cisco Small Business Managed Switches

Secure, Reliable, Intelligent Switching for Small Businesses

### Highlights

- Connects up to eight network devices - PCs, printers, and servers - to share and transfer files and videos across your network
- 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
- Compact size provides multiple placement options for areas with limited space

**Figure 1.** Cisco SRW208G 8-Port 10/100 Ethernet Switch: WebView/Expansion Slots



### Product Overview

Growing businesses require cost-effective networking solutions that can scale with ever-changing business needs. The Cisco® SRW208G 8-Port 10/100 Ethernet Switch (Figure 1) brings a new level of 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. It offers a port for connecting a Gigabit copper or optical interface to the core network.

Network security is a top priority in any 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 SRW208G 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 SRW208G, voice data can be prioritized, helping ensure clear and reliable voice communications.

Enabling the advanced features of the Cisco SRW208G further secures the integrity of your network. The WebView interface 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
- One 10/100/1000 switched RJ-45 port
- One mini Gigabit Interface Converter (mini-GBIC) port delivering up to 1000 Mbps
- 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 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 SRW208G 8-Port 10/100 Ethernet Switch.

**Table 1.** Specifications for the Cisco SRW208G 8-port 10/100 Ethernet Switch: WebView/Expansion Slots

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

<b>Access control</b>	Access control lists (ACLs) - Drop or rate limit based on: <ul style="list-style-type: none"> <li>• Source and destination MAC-based</li> <li>• Source and destination IP address</li> <li>• Protocol</li> <li>• ToS/DSCP</li> <li>• Port</li> <li>• VLAN</li> <li>• EtherType</li> </ul>
<b>Availability</b>	
<b>Link aggregation</b>	<ul style="list-style-type: none"> <li>• Link aggregation using IEEE 802.3ad LACP</li> <li>• Up to 8 ports in up to 8 groups</li> </ul>
<b>Storm control</b>	Broadcast, multicast and unknown unicast
<b>Spanning Tree</b>	<ul style="list-style-type: none"> <li>• IEEE 802.1D Spanning Tree</li> <li>• IEEE 802.1w Rapid Spanning Tree</li> <li>• IEEE 802.1s Multiple Spanning Tree</li> </ul>
<b>Internet Group Management Protocol (IGMP) snooping</b>	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.
<b>QoS</b>	
<b>Priority levels</b>	4 hardware queues
<b>Scheduling</b>	Priority queuing and weighted round-robin (WRR)
<b>Class of service</b>	<ul style="list-style-type: none"> <li>• Port based</li> <li>• 802.1p VLAN priority based</li> <li>• IPv4/v6 IP precedence/ToS/DSCP based</li> <li>• TCP/ User Datagram Protocol (UDP) port based</li> <li>• DiffServ</li> <li>• Classification and re-marking ACLs</li> </ul>
<b>Rate limiting</b>	<ul style="list-style-type: none"> <li>• Ingress policer</li> <li>• Egress rate control</li> </ul>
<b>Standards</b>	<ul style="list-style-type: none"> <li>• 802.3 10BASE-T Ethernet</li> <li>• 802.3u 100BASE-TX Fast Ethernet</li> <li>• 802.3ab 1000BASE-T Gigabit Ethernet</li> <li>• 802.3z Gigabit Ethernet</li> <li>• 802.3x flow control</li> <li>• 802.3ad LACP, 802.1D Spanning Tree Protocol (STP)</li> <li>• 802.1Q/p VLAN</li> <li>• 802.1w Rapid STP</li> <li>• 802.1s Multiple STP</li> <li>• 802.1X port access authentication</li> </ul>
<b>Environmental</b>	
<b>Dimensions W x H x D</b>	11 x 1.75 x 6.69 in. (279 x 45 x 170 mm)
<b>Unit weight</b>	2.20 lb (1 kg)
<b>Power</b>	External AC power adapter
<b>Certification</b>	FCC Part 15 Class A, CE Class A, UL, cUL, CE mark, CB
<b>Operating temperature</b>	32° to 104°F (0° to 40°C)
<b>Storage temperature</b>	-4° to 158°F (-20° to 70°C)
<b>Operating humidity</b>	10% to 90%
<b>Storage humidity</b>	10% to 95%
<b>Package Contents</b>	

<ul style="list-style-type: none"> <li>• Cisco SRW208G 8-Port 10/100 Ethernet Switch</li> <li>• AC power adapter with power cord</li> <li>• Two rack mounting kits/eight screws</li> <li>• CD with user guide in PDF format</li> <li>• On-line registration card</li> <li>• Console cable</li> </ul>
<b>Minimum Requirements</b>
<ul style="list-style-type: none"> <li>• Web-based utility: Microsoft Internet Explorer (version 5.5 or later)</li> <li>• Category 5 Ethernet network cables</li> <li>• Operating system: Windows 2000, XP, or later</li> </ul>
<b>Product Warranty</b>
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>.

Product warranty terms and other information applicable to Cisco products are available at

<http://www.cisco.com/go/warranty>.

### For More Information

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