



Cisco SRW208L 8-Port 10/100 Ethernet Switch: WebView/LX Uplink 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
- Gigabit and 100BASE-LX interfaces provide flexible uplink options
- 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 SRW208L 8-Port 10/100 Ethernet Switch: WebView/LX Uplink



Product Overview

Growing businesses require cost-effective networking solutions that can scale to meet ever-changing business needs. The Cisco® SRW208L 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 mini Gigabit Interface Converter (mini-GbIC) port and a 100-Mbps intermediate-reach optical interface for connection to a core switch.

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 SRW208L 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 SRW208L, voice data can be prioritized, helping ensure clear and reliable voice communications.

Enabling the advanced features of the Cisco SRW208L 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, resulting in a better-optimized, more secure network.

Features

- Eight 10/100 switched RJ-45 ports deliver up to 200 Mbps of throughput per port
- One mini-GBIC port
- One 100BASE-LX uplink port with LC-type connector and built-in transceiver
- 3.8-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 SRW208L 8-port 10/100 Ethernet Switch.

Table 1. Specifications for the Cisco SRW208L 8-Port 10/100 Ethernet Switch: WebView/LX Uplink

Specifications	
Ports	<ul style="list-style-type: none"> • 8 RJ-45 connectors for 10/100BASE-TX, 1 mini-GBIC/SFP port, and 1 LC-type connector for 100BASE-LX single-mode fiber (SMF) port at 1310 nm • 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, 1 Gig Link/Act, Speed, 1 100LC Link/Act, System
Performance	
Switching capacity	3.8 Gbps, nonblocking
Forwarding rate	2.8 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	<ul style="list-style-type: none"> • 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 • RFC2618 RADIUS client MIB • RFC1215 traps
RMON	Embedded Remote Monitoring (RMON) software agent supports four 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 • 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 (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	<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	<ul style="list-style-type: none"> • 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 • 802.1D 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	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 SRW208L 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
<ul style="list-style-type: none"> • 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

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