LINKSYS®
A Division of Cisco Systems, Inc.

Secure, reliable, intelligent, managed switching for your growing business

SRW224G4

Growing businesses require cost effective, networking solutions that can scale with ever changing business needs. The Linksys SRW224G4 Switch with WebView brings a whole new level of intelligence and security to the network infrastructure. The twenty-four 10/100 Mbps ports enable you to consolidate your network from several smaller switch/hubs to a single, managed switch. The optional gigabit optical interfaces allow you to expand the network as your business grows.

Network security is a top priority in any size business. Unauthorized access to the network and mission critical data is a constant concern. The SRW224G4 is able to secure the network through 802.1X port authentication and MAC filtering. 802.1X requires clients to authenticate themselves before the port will pass data.

Businesses are recognizing the benefits of doing 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 QoS and traffic management features in the SRW224G4, voice data can be prioritized, ensuring clear and reliable voice communications.

Enabling the SRW224G4 advanced features 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, resulting in a better optimized, more secure network.

Simplified, web based user management for more intelligent networking	Quad gigabit uplinks for increased bandwidth and redundancy	802.1X port authentication and MAC address filtering brings network security down to the switch port level	QoS enables the network to be optimized for your networked applications, including voice, video and data storage

PRODUCT DATA

24-Port 10/100 + 4-Port Gigabit Switch with WebView

BUSINESS SERIES

CISCO SYSTEMS

Model: SRW224G4 v1.1

24-Port 10/100 + 4-Port Gigabit Switch with WebView

Specifications

Model	SRW224G4
Ports	24 RJ-45 connectors for 10BASE-T and 100BASE-TX, 4 RJ-45 connectors for 10BASE-T/100BASE-TX/1000BASE-T with 2 shared SFP slots Auto MDI/MDI-X Autonegotiate/Manual setting
Cabling Type	UTP CAT 5 or better for 10BASE-T/100BASE-TX, UTP CAT 5e or better for 1000BASE-T
LEDs	Power, Link/Act, Speed

Performance

Switching Capacity	12.8 Gbps, non-blocking
MAC table size	8K
Number of VLANs	256 VLANs

Management

Web User Interface	Built-in Web UI for easy browser-based configuration (HTTP/HTTPS)
SNMP	SNMP version 1, 2, 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 1,2,3,9 only), RFC 2618 RADIUS Client MIB
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) TFTP upgrade
Port Mirroring	Traffic on a port can be mirrored to another port for analysis with a network analyzer or RMON probe
Other Management	RFC854 Telnet (Menu-driven configuration) Secure Shell (SSH) and Telnet Management Telnet client SSL security for Web UI Switch audit log DHCP client BootP SNTP Xmodem upgrade Cable diagnostics PING Traceroute Syslog

Security

IEEE 802.1X	802.1X - RADIUS Authentication. MD5 Encryption
Access Control	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 trunks
Storm Control	Broadcast, Multicast, and Unknown Unicast
Spanning Tree	IEEE 802.1d Spanning Tree, IEEE 802.1s Multiple Spanning Tree, IEEE 802.1w Rapid Spanning Tree, Fast Linkover
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

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- Increased the bandwidth (up to 8x) and added link redundancy with Link Aggregation Control Protocol (LACP)

- Enhanced rate limiting capabilities and storm control, including multicast, broadcast and flood control

- Port mirroring for non-invasive monitoring of switch traffic

- Mini jumbo frame support

- SNMP v1, v2c, v3

- Fully rack-mountable using the included rack-mounting hardware

PRODUCT DATA

BUSINESS SERIES

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/UDP port-based*
	Diffserv*
	Classification and remarking ACLs*
Rate Limiting	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, 802.3 ad LACP,802.3af PoE, 802.1D STP, 802.1Q/p VLAN, 802.1w Rapid STP, 802.1s Multiple STP, 802.1X Port Access Authentication

Layer 2

VLAN	Port-based and 802.1q based VLANs
	Private VLAN Edge (PVE)
	Management VLAN
HOL Blocking	Head of line blocking prevention
Mini jumbo frame	Supports frames up to 1600 bytes
Dynamic VLAN	GVRP - Dynamic VLAN Registration
Standards	802.3i 10BASE-T Ethernet, 802.3u 100BASE-TX Fast Ethernet, 802.3ab 1000BASE-T Gigabit Ethernet, 802.3z Gigabit Ethernet, 802.3x Flow Control

Environmental

Dimensions W x H x D	16.93" x 1.75" x 7.97" (430 x 44 x 203 mm)
Unit Weight	4.41 lb (2 kg)
Power	Internal switching power
Certification	FCC Part15 Class A, CE Class A, UL, cUL, CE mark, CB
Operating Temperature	32 to 104ºF (0 to 40ºC)
Storage Temperature	-4 to 158ºF (-20 to 70ºC)
Operating Humidity	10 to 90%
Storage Humidity	10 to 95%

Package Contents

- SRW224G4 - 24-Port 10/100 + 4-Port Gigabit Switch with WebView
- AC Power Cord
- Rack Mounting Kit with Brackets and Hardware
- CD with User Guide in PDF format
- Registration Card
- Console Cable

Minimum Requirements

- Web-Based Utility: Web Browser - Microsoft Internet Explorer (Version 5.5 or Above)
- Cat5 Ethernet Network Cables
- Operating System: Windows 2000, XP or Above

Warranty

- 5 Years

* Denotes features found only in v1.1 of hardware

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