

LINKSYS®

A Division of Cisco Systems, Inc.

Secure, reliable, intelligent, SNMP-managed PoE switching for growing businesses

The Linksys WebView Managed Switch allows you to expand your network securely. Configuration of the switch is secured using SSL for web access. User control is secured using 802.1X security using a RADIUS authentication mechanism and can also be controlled using MAC-based filtering.

Extensive QoS features make the solution ideal for real-time applications like voice and video. The 4 priority queues together with the Weighted Round Robin and Strict Priority scheduling techniques facilitate efficient coexistence of real-time traffic with data traffic allowing them each to meet their QoS needs. Individual users or applications can be prioritized above others using various Class of Service options - by port, layer 2 priority (802.1p), or Layer 3 priority (ToS or DSCP). Intelligent broadcast and multicast storm control minimizes and contains the effect of these types of traffic on regular traffic. IGMP snooping limits bandwidth-intensive video traffic to only the requestors without flooding all users. Incoming traffic can be policed allowing you to control network access and traffic flow.

There are features that allow you to expand and grow your network of switches. Link aggregation allows multiple high-bandwidth trunks between switches to be setup. This also provides a level of reliability in that the system continues to operate if one of the links break. Spanning Tree (STP), Fast Spanning Tree, and Multiple Spanning Tree allow you to build a mesh of switches increasing the availability of the system.

The rich management functionality of the WebView Switches includes SNMP, RMON, and HTTP Management options, allowing you to flexibly integrate and manage these devices in your network.

Automatic Load Sensing - Power control circuitry automatically detects Power over Ethernet on access devices before providing power. Power feeding of Ethernet is provided on the 10BASE-T/100BASE-TX ports with maximum output power per port of up to 15.4W simultaneously on 12 ports. Alternatively, the switch can power all ports at a maximum of 7.5W per port. Independent overload and short-circuit protection for each port is provided. LED indicators for power status are provided per port.

Delivers reliable power over 10/100 Ethernet ports using IEEE 802.3af standard

Secure management via SSL and secure user control via 802.1X & MAC-based filtering

IGMP snooping, L2/L3 CoS queuing & scheduling makes solution ideal for voice/video

Intelligent traffic management with rate limiting, policing ACLs, and storm control



SRW224P

PRODUCT DATA

24-Port 10/100 + 2-Port Gigabit Switch with WebView

BUSINESS SERIES

Model: SRW224P



Features

- 24 - 10/100 Switched RJ-45 ports deliver up to 200Mbps of throughput per port
- 2 - 10/100/1000 Switched RJ-45 Gb uplink ports (with 2 shared miniGBIC ports)
- Switching capacity delivers 8.8 Gbps, non-blocking capacity
- WebView monitoring allows administrators to view the current status and configuration using their favorite web browser
- Port based and 802.1q based VLANs support up to 128 VLANs
- Port trunking for up to 4 groups (with up to 8 ports in a group) allows you to increase your bandwidth for each uplink or Server connection
- Port configuration settings for link, speed, auto MDI/MDIX, flow control, and more
- Fully rack-mountable using the included rack-mounting hardware
- Auto MDI/MDIX per port allows for automatic cable detection
- MAC address table supports up to 8K MAC address entries

24-Port 10/100 + 2-Port Gigabit Switch with WebView

Specifications

Model	SRW224P
Ports	24 RJ-45 connectors for 10BASE-T and 100BASE-TX, 2 RJ-45 connectors for 10BASE-T/100BASE-TX/1000BASE-T with 2 shared SFP slots Console port 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	10/100 Link/Act, PoE, 2 Gig Link/Act, Speed, System

Performance

Switching Capacity	8.8 Gbps non-blocking
MAC table size	8K
Number of VLANs	128 active VLANs

Management

Web User Interface	Built-in Web UI for easy browser-based configuration (HTTP/HTTPS)
SNMP	SNMP version 1, 2c 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), RFC2737 Entity MIB, RFC 2618 RADIUS Client MIB Private PoE MIB RFC 1215 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	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	Secure Socket Layer (SSL) SSL security for Web UI Switch audit log DHCP client BootP SNTP Xmodem upgrade Cable diagnostics PING Traceroute

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 4 groups
Storm Control	Broadcast and Multicast
Spanning Tree	IEEE 802.1d 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

PRODUCT DATA

BUSINESS SERIES

- Optimal platform to support real-time applications like voice and video by providing features like IGMP snooping, multiple queues (4) with appropriate scheduling techniques, prioritization of traffic based on L2/L3 priority, and line rate forwarding mechanisms
- Secure control with SSL for HTTP interface
- User/Network security via 802.1X (with RADIUS authentication) and MAC-based filtering
- Containment of storms - broadcast and multicast
- Expandability and availability increased across multiple switches using link aggregation
- SNMP and RMON management expand your visibility options

QoS

Priority levels	4 Hardware queues
Scheduling	Priority Queueing and Weighted Round Robin (WRR)
Class of Service	Port-based 802.1p VLAN priority based IP Precedence/ToS/DSCP based IPv4 Traffic Class based CoS TCP/UDP port-based Diffserv Classification and Remarking ACLs
Rate Limiting	Ingress policer

Layer 2

VLAN	Port-based and 802.1q tag based VLANs Management VLAN
HOL Blocking Standards	Head of line blocking prevention 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, 802.3af PoE

Environmental

Dimensions W x H x D	16.93" x 1.75" x 13.78" (430 x 45 x 350 mm)
Unit Weight	9.04 lb (4.1 kg)
Power	Internal switching power
Certification	FCC Part 15 Class A, CE Class A, UL, cUL, CE mark, CB
Operating Temp.	32 to 122°F (0 to 50°C)
Storage Temp.	-4 to 158°F (-20 to 70°C)
Operating Humidity	10 to 90%
Storage Humidity	10 to 95%

Package Contents

- SRW224P 24 10/100 Base-T plus 2 Gig Combo Ports with SFP or RJ-45
- Power Cord
- Rack Mounting Kit
- 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

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Linksys products are available in more than 50 countries, supported by 12 Linksys Regional Offices throughout the world. For a complete list of local Linksys Sales and Technical Support contacts, visit our Worldwide Web Site at www.linksys.com.

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Model: **SRW224P**

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