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

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

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

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
- 2 Shared miniGBIC ports for optical or copper interconnection
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
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

**QoS**

<table>
<thead>
<tr>
<th>Priority levels</th>
<th>4 Hardware queues</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scheduling</td>
<td>Priority Queuing and Weighted Round Robin (WRR)</td>
</tr>
<tr>
<td>Class of Service</td>
<td>Port-based*</td>
</tr>
<tr>
<td></td>
<td>802.1p VLAN priority based*</td>
</tr>
<tr>
<td></td>
<td>IPv4/v6 IP Precedence/TOS/DSCP based*</td>
</tr>
<tr>
<td></td>
<td>TCP/UDP port-based*</td>
</tr>
<tr>
<td></td>
<td>DiffServ*</td>
</tr>
<tr>
<td></td>
<td>Classification and remarking ACLs*</td>
</tr>
</tbody>
</table>

**Rate Limiting**

<table>
<thead>
<tr>
<th>Standards</th>
<th>Ingress policer</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Egress rate control</td>
</tr>
</tbody>
</table>

**Layer 2**

<table>
<thead>
<tr>
<th>VLAN</th>
<th>Port-based and 802.1q based VLANs</th>
</tr>
</thead>
<tbody>
<tr>
<td>HOL Blocking</td>
<td>Private VLAN Edge (PVE)</td>
</tr>
<tr>
<td></td>
<td>Management VLAN</td>
</tr>
<tr>
<td>Mini jumbo frame</td>
<td>Supports frames up to 1600 bytes</td>
</tr>
<tr>
<td>Dynamic VLAN</td>
<td>GVRP - Dynamic VLAN Registration</td>
</tr>
<tr>
<td>Standards</td>
<td>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</td>
</tr>
</tbody>
</table>

**Environmental**

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>16.93” x 1.75” x 7.97”</th>
</tr>
</thead>
<tbody>
<tr>
<td>W x H x D</td>
<td>(430 x 44 x 203 mm)</td>
</tr>
<tr>
<td>Unit Weight</td>
<td>4.41 lb (2 kg)</td>
</tr>
<tr>
<td>Power</td>
<td>Internal switching power</td>
</tr>
<tr>
<td>Certification</td>
<td>FCC Part15 Class A, CE Class A, UL, cUL, CE mark, CB</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>32 to 104°F (0 to 40°C)</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-4 to 158°F (-20 to 70°C)</td>
</tr>
<tr>
<td>Operating Humidity</td>
<td>10 to 90%</td>
</tr>
<tr>
<td>Storage Humidity</td>
<td>10 to 95%</td>
</tr>
</tbody>
</table>

**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