

## 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 filtering.

Extensive QoS features makes 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 co-existence 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 contain the effect of these types of traffic on regular traffic. IGMP Snooping limits bandwidth-intensive video traffic to only the requestors without flooding to 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 allow 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 10/100 Base-T 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 7.5 W 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 SSH/SSL and secure user control via 802.1x & MAC 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

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

Product Data



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

## 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 mini-GBIC ports)
- Switching Capacity delivers 8.8 Gig 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 VLAN's 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
- 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

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## Specifications

### 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 LED Indicators

UTP CAT 5 or better for 10BASE-T/100BASE-TX, UTP CAT 5e or better for 1000BASE-T/10/100 Link/Act, POE, 2 Gig Link/Act, Speed, System

## Performance

### Switching Capacity MAC Table Size Number of VLANs

8.8 Gig non-blocking  
8k  
128 active VLANs

## Management

### Web User Interface SNMP SNMP MIBs

Built-in Web UI for easy browser-based configuration (HTTP/HTTPS)  
SNMP version 1, 2c with support for traps  
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.

### RMON

Embedded Remote Monitoring (RMON) software agent supports four RMON groups (history, statistics, alarms, and events) for enhanced traffic management, monitoring, and analysis. TFTP upgrade

### Firmware 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, SNMP, Xmodem upgrade, Cable Diagnostics, PING, Traceroute

## Security

### IEEE 802.1x Access Control

802.1x - RADIUS Authentication, MD5 Encryption  
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 Storm Control Spanning Tree IGMP Snooping

Link Aggregation using IEEE 802.3ad LACP, Up to 8 ports in up to 8 trunks  
Broadcast and Multicast  
IEEE 802.1d Spanning Tree, IEEE 802.1w Rapid Spanning Tree\*, Fast Linkover  
IGMP (v1/v2) snooping provides for fast client joins and leaves of multicast streams and limits bandwidth-intensive video traffic to only the requestors.

## QoS

### Priority Levels Scheduling Class of Service

4 Hardware queues  
Priority Queueing and Weighted Round Robin (WRR)  
Port-based, 802.1p VLAN priority based, IP TOS/DSCP based, IPv4 Traffic Class based COS, TCP/UDP Port based, Diffserv, Classification and Remarking ACLs  
Ingress Policer

### Rate Limiting

## Layer 2

### VLAN HOL Blocking

Port-based and 802.1q based VLANs, Management VLAN  
Head of line blocking prevention

## Standards

### 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, 802.3af POE

## Environmental

### Dimensions Unit Weight Power Input Certifications Operating Temp Storage Temp. Operating Humidity Storage Humidity Warranty

16.93" x 1.75" x 13.78" (430 mm x 44.45 mm x 350 mm)  
9.04 lbs. (4.1 kg)  
internal switching power  
FCC Part15 Class A, CE Class A, UL, cUL, CE mark, CB  
32°F to 122°F (0°C to 50°C)  
-4°F to 158°F (-20°C to 70°C)  
10% to 90%, Non-Condensing  
10% to 95%, Non-Condensing  
5 years

\* Future firmware release

## Minimum Requirements

- Web-based Configuration Java-enabled Browser
- Cat5 Ethernet Network Cable
- TCP/IP Protocol installed on each computer within the network
- Network Adapter installed in each computer
- Network Operating System (e.g. Windows®, Linux, MacOS X)

## Package Contents

- One SRW224P 24 10/100 Base-T plus 2 Gig combo ports with SFP or RJ45
- One Power Cord
- One Rack Mounting Kit
- One CD with User Guide in PDF Format
- One Registration Card
- Console Cable

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