

## Secure, reliable, intelligent, high density managed switching for your network core



The Linksys WebView Managed switch allows you to expand your network securely. Configuration of the switch is secured using SSL for Web access and SSH for Telnet 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), Layer 3 priority (TOS or DSCP)\*, or IPv6 Traffic Class\*. Intelligent Broadcast, Multicast, and Unknown Unicast 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 and outgoing traffic can be shaped 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, Telnet, and HTTP Management options, allowing you to flexibly integrate and manage these devices in your network.

\* Future firmware release

Optimized to be your network core with very high performance and density

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, Shaping, and Storm control

# 48-port 10/100/1000 Switch

**+ 4 shared mini-GBIC Ports**  
with WebView

Product Data



# 48-port 10/100/1000 Switch + 4 shared mini-GBIC Ports with WebView

## Features

- 48 - 10/100/1000 Switched RJ-45 ports
- 4 shared mini-GBIC ports
- 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 256 VLANs
- Port Trunking for up to 8 groups 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 via SSH for Telnet interface and SSL for HTTP interface
- User/Network security via 802.1x (with Radius authentication) and MAC-based filtering
- Containment of storms - Broadcast, Multicast, and Unknown Unicast
- Expandability and availability increased across multiple switches using Link Aggregation
- SNMP and RMON management expand your visibility options

## Specifications

Ports  
Cabling Type  
LED Indicators

48 RJ-45 connectors for 10BASE-T, 100BASE-TX and 1000BASE-T with 4 shared SFP slots  
UTP CAT 5 or better for 10BASE-T/100BASE-TX, UTP CAT 5e or better for 1000BASE-T  
Power, Link/Act, Speed

## Performance

Switching Capacity  
MAC Table Size  
Number of VLANs

96 Gbps, non-blocking  
8k  
256 - Static (Today) and Dynamic (Future)

## Management

Web User Interface  
SNMP  
SNMP MIBs

Built-in Web UI for easy browser-based configuration (HTTP/HTTPS)  
SNMP version 1, 2, 3 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  
Embedded Remote Monitoring (RMON) software agent supports four RMON groups (history, statistics, alarms, and events) for enhanced traffic management, monitoring, and analysis.  
Firmware Upgrade  
Port Mirroring  
Other Management

RMON

Firmware Upgrade  
Port Mirroring

Other Management

## Security

IEEE 802.1x  
Access Control

802.1x - RADIUS Authentication, MD5 Encryption  
Filtering: MAC-based\*

## Availability

Link Aggregation  
Storm Control  
Spanning Tree

Link Aggregation using IEEE 802.3ad LACP, Up to 8 ports in up to 8 groups  
Broadcast, Multicast, and Unknown Unicast  
IEEE 802.1d Spanning Tree, IEEE 802.1s Multiple 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.

IGMP Snooping

## QoS

Priority Levels  
Scheduling  
Class of Service  
Rate Limiting

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  
Ingress Policer, Egress Shaper

## Layer 2

VLAN  
HOL Blocking

Port-based and 802.1q based VLANs, Private VLAN Edge (PVE), 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

## 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)  
8.60 lbs. (3.9 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

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## 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 SRW2048 Switch
- One Power Cord
- One Rack Mounting Kit
- One CD with User Guide in PDF Format
- One Registration Card
- Console Cable

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