

## Linksys Managed Gigabit Switches



8-Port Managed Gigabit Switch  
(LGS310C)



24-Port Managed Gigabit Switch  
(LGS328C)



48-Port Managed Gigabit Switch  
(LGS352C)

### Key Features

- 8, 24 or 48 Gigabit Ethernet Ports
- Dedicated SFP or SFP+ Uplink Ports
- Advanced Network Security and QoS
- Static Routing and IPv6 support
- Ideal for surveillance cameras, access control, ProAV, projectors, access points, VoIP phones, and other demanding applications.
- TAA Compliant

### Designed for security and speed, Linksys Managed Gigabit Switches provide a business-class network you can grow on.

#### Network Expansion

Linksys managed switches include features for quickly expanding and growing your network. Multiple high-bandwidth trunks between switches enhance availability and redundancy. Spanning Tree Protocol (STP) and Storm Control features help control planned or inadvertent cable loops, so you can confidently build a mesh of switches and quickly expand your network to support your growing workforce.

#### Network Security

Unauthorized access to the network and mission-critical data is a constant concern. Linksys managed switches help secure networks through port authentication, requiring clients to authenticate themselves before any data is passed. Advanced DHCP snooping and IP-MAC binding functions ensure network integrity and help prevent network attacks.

#### Quality of Service (QoS)

Numerous QoS features ensure that traffic is prioritized properly to deliver the best possible user experience for real-time applications like voice and video along with bandwidth-intensive graphic/video file uploads and downloads. IGMP snooping limits IP multicast traffic to the ports that requested it, enabling the rest of the network to operate at peak efficiency.

## Linksys Managed Gigabit Switches

### Hardware Specifications



Model	8-Port Managed Gigabit Switch	24-Port Managed Gigabit Switch	48-Port Managed Gigabit Switch
Part #	LGS310C	LGS328C	LGS352C
Total System Ports	10GE + 2 SFP	24GE + 4 SFP+	48GE + 4 SFP+
Copper GE Ports (RJ45)	Ports 1-8	Ports 1-24	Ports 1-48
1G SFP Ports	Ports 9-10	NA	NA
10G SFP+ Ports	NA	Ports 25-28	Ports 49-52
Status LEDs	Power, Fault, LAN Mode	Power, Fault, LAN Mode	Power, Fault, LAN Mode
CPU Memory DRAM	256MB	512MB	512MB
Power Input	12V/1A	100-240V 50-60 Hz 0.7A	100-240V 50-60 Hz 1.5A
Max Power Consumption	6.54W	23.95W	43.87W
Green Power Mode	EEE	EEE	EEE
Forwarding Rate	14.88 Mpps	95.23 Mpps	130.95 Mpps
Switching Capacity	20 Gbps	128 Gbps	176 Gbps
MAC Address	8K	16K	32K
Jumbo Frame	10Kbytes	12Kbytes	12Kbytes
Fans	NA	NA	1, 8200 rpm (at full speed)
Enclosure Dimension	240 x 105 x 27 mm (9.45 x 4.13 x 1.06 in)	330 x 230 x 44 mm (12.99 x 9.06 x 1.73 in)	440 x 260 x 44 mm (17.32 x 10.24 x 1.73 in)
Device Weight	609 g (1.34 lb)	1989 g (4.38 lb)	3468 g (7.65 lb)
Operating Temperature	0 to 50°C (32 to 122°F)	0 to 45°C (32 to 113°F)	0 to 50°C (32 to 122°F)
Operating Humidity	10 to 90% RH	10 to 90% RH	10 to 90% RH
Storage Temperature	-20 to 70°C (-4 to 158°F)	-20 to 70°C (-4 to 158°F)	-20 to 70°C (-4 to 158°F)
Storage Humidity	5 to 95% RH (non-condensing)	5 to 95% RH (non-condensing)	5 to 95% RH (non-condensing)
Warranty Period	5 years (most countries)*	5 years (most countries)*	5 years (most countries)*

### Software Specifications

Model	Linksys Managed Gigabit Switches
Number of VLANs	256 active VLANs (4,096 range)
VLAN	Port-based and 802.1q VLANs, Management VLAN, Guest VLAN support
HOL Blocking	Head of line (HOL) blocking prevention
Web User Interface	Built-in Web UI for easy browser-based configuration (HTTP/HTTPS)
SNMP	Version 1, 2c and 3
Firmware Upgrade	Web browser upgrade (HTTP) and TFTP
Port Mirroring	Traffic on multiple ports (up to 3 ports) can be mirrored to another port for analysis with a network analyzer
RMON (1, 2, 3, 9)	Embedded remote monitoring (RMON) software agent support for enhanced traffic management, monitoring, and analysis
SYSLOG	Support log admin password/IP change activity enhancement, Local logging: buffered/flash, Remote logging: IPv4/IPv6/ hostname(IPv4)
Ethernet OAM	SFP information, SFP+ DDM, Cable diagnostic, Port statistics
Other Management	Telnet, SSH, DHCP client, system log, configuration upload and backup via HTTP or TFTP, PING, Traceroute, dual images, SNMP
Security	802.1x Radius authentication, DHCP snooping, IP-MAC binding, port security supports limited dynamic lock and locked MAC address (256 max entries per port), DOS Attack Prevention, Port Isolation (Protected Ports)
Link Aggregation	IEEE 802.3ad LACP, up to 8 groups with up to 8 ports per group
Bandwidth Control	Rate limit according to network speed, 12kbps~1000Mbps: in steps of 16kbps
Storm Control	Support broadcast/unknown multicast/unknown unicast 16kbps~1000Mbps: in steps of 16kbps
Loopback Detection	Detects and prevents loops in the network by sending out loop protocol packets and shutting down affected ports
Spanning Tree	IEEE 802.1d Spanning Tree, IEEE 802.1w Rapid Spanning Tree, IEEE 802.1s Multiple Spanning Trees (16 instances)
IGMP Snooping/Querier	IGMP (v1/v2/v3) snooping provides for fast client joins and leaves of multicast streams and limits bandwidth-intensive video traffic to only the requestors; supports 256 multicast groups
MLD Snooping/Querier	Support v1, MLD snooping fast leave (per- vlan), MLD querier, Dynamic router port, Static/forbidden router, Report suppression
DHCP	IPv4 DHCP Relay, IPv4 DHCP Relay Statistics, IPv4 DHCP Snooping
L3 Static Routing	IPv4 (63 max entries), IPv6 (21 max entries)
L3 IP Multicast	IGMP, MLD, L3 IP Multicast Routing
Access Control List (ACL)	Ingress, MC Based ACL, IPv4 Based ACL, IPv6 Based ACL, ACL Binding, Action: permit/deny
QoS Priority Levels	8 hardware queues
Scheduling	Strict, Weighted Round Robin (WRR) and Strict + WRR
Class of Service	Port-based, 802.1p priority-based, IPv4/v6 IP DSCP-based
Auto Voice VLAN	Voice traffic is automatically assigned by OUI to a voice-specific VLAN and treated with appropriate levels
Standards	802.3 10Base-T Ethernet, 802.3u 100Base-T Fast Ethernet, 802.3ab 1000Base-T Gigabit Ethernet, 802.3z Gigabit Ethernet, 802.3x Flow Control, 802.3ad, 802.1d STP, 802.1w RSTP, 802.1s MSTP, 802.1q VLAN, 802.1p Priority QoS, 802.1x Port Access Authentication, 802.1ab Link Layer Discovery Protocol, 802.3az Energy Efficient Ethernet

\* 5 year warranty applies in all countries except: Australia and New Zealand – 2 year warranty.

Learn more at [Linksys Business Switches - Managed, Unmanaged, Smart](#)