

## Linksys Smart Gigabit Switches



8-Port Business Smart Gigabit Switch (LGS308)



18-Port Business Smart Gigabit Switch (LGS318)



26-Port Business Smart Switch (LGS326)

### Key Features

- 8, 18, or 26 Gigabit Ethernet ports
- Easy configuration and management
- Proven performance and reliability
- Energy efficient
- Network security
- IP telephony support
- IPv6 support
- Limited lifetime warranty

**Designed for business-class management, security, speed, and quality of service, Linksys Smart Gigabit Switches provide a network your business can grow on.**

#### 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.

#### Network Security

Unauthorized access to the network and mission-critical data is a constant concern. Linksys smart switches help secure networks through port authentication and MAC-based port security, 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.

#### Network Expansion

Linksys smart 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.

## Linksys Smart Gigabit Switches

### Hardware Specifications

Model	8-Port Business Smart Gigabit Switch	18-Port Business Smart Gigabit Switch	26-Port Business Smart Gigabit Switch
Part #	LGS308	LGS318	LGS326
Total System Ports	8GE	18GE	26GE
Copper FE/GE Ports (RJ45)	g1–g8	g01–g08, g09–g16	g01–g12, g13–g24
Combo Ports (RJ45 + SFP)	NA	2 combo on ports g17, g18	2 combo on ports g25, g26
Status LEDs	System (blue), Link/Act (green)	System (blue), Link/Act (green)	System (blue), Link/Act (green)
CPU Memory DRAM	128 MB	128 MB	128 MB
Power Input	100–240V 50–60 Hz (0.5A max)	100–240V 50–60 Hz (0.7A max)	100–240V 50–60 Hz (0.7A max)
Green Power Mode	EEE+, Short Reach + Energy Detect	EEE+, Short Reach + Energy Detect	EEE+, Short Reach + Energy Detect
System Power Consumption without PoE	110V:7.94W 220V:7.93W	110V:13.55W 220V:13.66W	110V:17.62W 220V:17.72W
Forwarding Rate	11.90 Mpps	26.79 Mpps	38.69 Mpps
Switching Capacity	16 Gbps	36 Gbps	52 Gbps
MAC Address	8K	8K	8K
Jumbo Frame (FE, GE)	9K	9K	9K
Enclosure Dimension (L x W x H)	210 x 104 x 25 mm (8.3 x 4.1 x 1.0 in.)	440 x 200 x 44 mm (17.3 x 7.9 x 1.7 in.)	440 x 200 x 44 mm (17.3 x 7.9 x 1.7 in.)
Device Weight	0.528 kg (1.16 lbs.)	2.378 kg (5.23 lbs.)	2.424 kg (5.33 lbs.)
Operating Temperature	0 to 50°C (32 to 122°F)	0 to 50°C (32 to 122°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	-40 to 70°C (-40 to 158°F)	-40 to 70°C (-40 to 158°F)	-40 to 70°C (-40 to 158°F)
Storage Humidity	10 to 90% RH (non-condensing)	10 to 90% RH (non-condensing)	10 to 90% RH (non-condensing)

### Software Specifications

Model	Business Smart Gigabit Switches
Number of VLANs	128 active VLANs (4,096 range)
VLAN	Port-based and 802.1q tag-based VLANs Management VLAN Guest VLAN support Dynamic VLAN assignment via Radius server with 802.1x client authentication
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 4 ports) can be mirrored to another port for analysis with a network analyzer
RMON	Embedded remote monitoring (RMON) software agent support for enhanced traffic management, monitoring, and analysis
Other Management	Telnet (menu-driven), DHCP client, system log, configuration unload and backup via HTTP or TFTP, PING, dual images, SNMP
Security	802.1x Radius authentication, DHCP snooping, IP-MAC binding, port security supports limited dynamic lock and locked MAC address, management access control
Link Aggregation	IEEE 802.3ad LACP, up to 4 groups with up to 8 ports per group
Storm Control	Broadcast, flooding, and multicast
Spanning Tree	IEEE 802.1d Spanning Tree, IEEE 802.1s Multiple Spanning Tree, IEEE 802.1w Rapid Spanning Tree
IGMP Snooping	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
QoS Priority Levels	4 hardware queues
Scheduling	Priority queuing and weighted round robin (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 LACP, 802.1d STP, 802.1q/p VLAN, 802.1x Port Access Authentication, 802.3az Energy Efficient Ethernet

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