LINKSYS

Linksys Smart PoE+ Gigabit Switches

8-Port Smart Gigabit PoE+ Switch (LGS308P)

18-Port Smart Gigabit PoE+ Switch (LGS318P)

26-Port Smart PoE+ Switch (LGS326P)

Key Features

- 8, 18, or 26 Gigabit Ethernet ports
- Integrated Power over Ethernet Plus (PoE+)
- Easy configuration and management
- Proven performance and reliability
- Energy efficiency
- Network security
- IP telephony support
- IPv6 support
- Limited lifetime warranty

Designed for business-class management, security, speed, and quality of service, Linksys Smart PoE+ 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.

Power over Ethernet Plus (PoE+)
Linksys smart switches support the latest 802.3at (PoE+) standards and provide up to double the power budget per Gigabit Ethernet port while offering 802.3af (PoE) backward-compatibility. Power over Ethernet reduces electrical wiring costs, simplifies installation, and supports network devices such as IP cameras and wireless access points in optimal indoor and outdoor locations.

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 PoE+ Gigabit Switches

Hardware Specifications



Model	8-Port Smart Gigabit PoE+ Switch (LGS308P)	18-Port Smart Gigabit PoE+ Switch (LGS318P)	26-Port Smart PoE+ Switch (LGS326P)
Part #	LGS308P	LGS318P	LGS326P
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/PoE (green/green)	System (blue), Link/Act/PoE (green/green)	System (blue), Link/Act/PoE (green/green)
CPU Memory DRAM	128 MB	128 MB	128 MB
Power Input	100–240V 50–60 Hz (1.5A max)	100–240V 50–60 Hz (2.5A max)	100–240V 50–60 Hz (3.5A max)
Power Dedicated to PoE+	72W	125W	192W
Number of Ports with PoE+ Support	8	16	24
Green Power Mode	EEE+, Short Reach + Energy Detect	EEE+, Short Reach + Energy Detect	EEE+, Short Reach + Energy Detect
System Power Consumption without PoE+	110V:9.95W 220V:10.17W	110V:19.47W 220V:19.39W	110V:28.58W 220V:26.67W
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
Fans	NA	Yes (one 8,200 rpm)	Yes (two 8,200 rpm)
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	0.562 kg (1.23 lbs.)	2.784 kg (6.12 lbs.)	3.096 kg (6.81 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	Smart Gigabit PoE+ 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 and 2c
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, SNTP
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 802.1w 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, 802.1d STP, 802.1q/p VLAN, 802.1x Port Access Authentication, 802.3af PoE, 802.3at PoE+, 802.3az Energy Efficient Ethernet

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