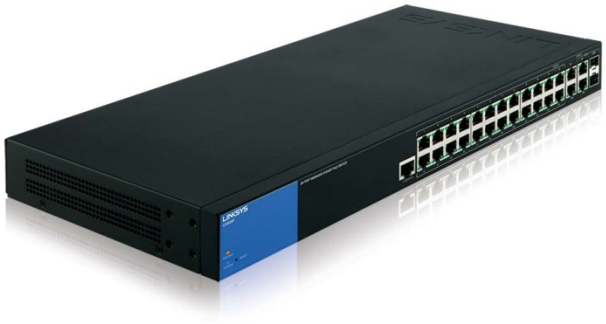
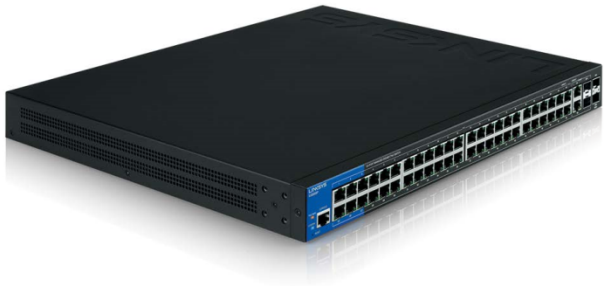
LINKSYS

Linksys Managed PoE+ Gigabit Switches



28-Port Managed PoE+ Gigabit Switch
(LGS528P)



52-Port Managed PoE+ Gigabit Switch
(LGS552P)

Key Features

- 28 or 52 Gigabit Ethernet ports
- Two combo mini-GBIC (SFP) ports
- Two 10-Gigabit uplink Ethernet SFP+ ports (LGS552P)
- Integrated Power over Ethernet Plus (PoE+)
- High performance and reliability
- Energy efficiency
- Advanced security and QoS
- Layer 3 static routing
- IPv6 support
- IP telephony support
- Easy configuration and management
- Limited lifetime warranty

Add secure, reliable, powerful switching to your growing business network, with state-of-the-art features and performance including Gigabit speed, enhanced security, Power over Ethernet Plus, and advanced traffic management ideal for real-time voice and video applications.

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. Advanced QoS provides per flow base policer and rate limit to enforce SLA requirement.

Power over Ethernet Plus (PoE+)
Linksys Managed Switches support IEEE 802.3at (PoE+) standards and provide up to a 30W power budget per Gigabit Ethernet port while offering IEEE 802.3af (PoE) backward-compatibility. PoE+ capability simplifies and reduces complex technology deployments such as IP telephony, wireless AP, and IP surveillance by allowing you to connect and power network endpoints over a single Ethernet cable at a lower cost.

Network Security
Unauthorized access to the network and mission-critical data is a constant concern. Linksys Managed Switches offer to 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-Port binding functions ensure network integrity and help prevent network attacks.

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. With additional Gigabit or 10-Gigabit uplink SFP/SFP+ fiber-optic port expansions for servers and data centers, Linksys Managed Switches provide an ideal combination of business scalability and affordability.

Linksys Managed PoE+ Gigabit Switches

Hardware Specifications


Model	28-Port Managed PoE+ Gigabit Switch	52-Port Managed PoE+ Gigabit Switch
Part #	LGS528P	LGS552P
Total System Ports	28GE	52GE
Copper GE Ports (RJ45)	g01–g13, g14–g26	g01–g25, g26–g50
Combo Ports (RJ45 + SFP)	2 combo on ports g27, g28	2 combo on ports g49, g50
10Gb Ports (SFP+)	NA	XG1, XG2
Status LEDs	System (blue/yellow), Link/Act/PoE (green/green),Max PoE (amber)	System (blue/yellow), Link/Act/PoE (green/green), Max PoE (amber)
CPU Memory DRAM	128 MB	128 MB
Power Input	100–240V 50–60 Hz (3.5A max)	100–240V 50–60 Hz (8.4A max)
Power Dedicated to PoE+	192W	375W
Number of Ports with PoE+ Support	24	48
Green Power Mode	EEE+, Short Reach + Energy Detect	EEE+, Short Reach + Energy Detect
System Power Consumption without PoE+	110V: 30.73W 220V: 28.88W	110V: 66.63W 220V: 66.62W
Forwarding Rate	41.67 Mpps	104.16 Mpps
Switching Capacity	56 Gbps	140 Gbps
MAC Address	16K	16K
Jumbo Frame (FE, GE)	9K	9K
Fans	Yes (two 8,200 rpm)	Yes (three 8,200 rpm)
Enclosure Dimension (W x D x H)	440 x 200 x 44.45 mm (17.32 x 7.87 x 1.75 in.)	440 x 350 x 44.45 mm (17.32 x 13.78 x 1.75 in.)
Device Weight	3.12 kg (6.88 lbs.)	5.32 kg (11.73 lbs.)
Operating Temperature	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
Storage Temperature	-20 to 70°C (-4 to 158°F)	-20 to 70°C (-4 to 158°F)
Storage Humidity	10 to 90% RH (non-condensing)	10 to 90% RH (non-condensing)

Software Specifications

Model	Managed PoE+ Gigabit Switches
Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3ae, IEEE 802.3x, IEEE 802.3ad, IEEE 802.3az, IEEE 802.1D, IEEE 802.1w, IEEE802.1Q/p, IEEE802.1X
Spanning Tree	IEEE 802.1d Spanning Tree, IEEE 802.1w Rapid Spanning Tree
Link Aggregation	IEEE 802.3ad LACP, up to 4 groups with up to 8 ports per group
VLAN	Port-based and IEEE 802.1Q tag-based VLANs
Number of VLANs	1,024 active VLANs (4,096 range)
Layer 3 Static Routing	Line rate routing for IPv4 packets with up to 64 static routes
Auto Voice VLAN	VLAN voice traffic is automatically assigned by OUI to a voice-specific VLAN and treated with appropriate levels
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 requesters; supports 256 multicast groups
Head-of-Line (HOL) Blocking	Head-of-line (HOL) blocking prevention
Port Mirroring	Traffic on multiple ports can be mirrored to another port for analysis with a network analyzer
Security	IEEE 802.1X radius authentication, DHCP snooping, IP-MAC-Port binding, IP source guard, ARP inspection, STP root guard, STP BPDU guard, DHCP relay, port security supports limited dynamic lock and locked MAC address, management access control
Storm Control	Broadcast, unknown-unicast, and multicast
QoS – Priority Levels	4 hardware queues
QoS – Class of Service	Port-based, IEEE 802.1p priority-based, IPv4/v6 IP DSCP-based
QoS – Scheduling	Priority queuing and weighted round robin (WRR)
ACL	Support up to 512 rules for enhanced security and/or advanced QoS policy: allow, deny, or rate limit based on Layer1 to 4 protocol fields at packet header level with MAC ACL and IP ACL
RMON	Embedded remote monitoring (RMON) software agent support for enhanced traffic management, monitoring, and analysis
Management Interface	Built-in Web UI for easy browser-based configuration (HTTP/HTTPS)
Other Management	Telnet (menu-driven), DHCP client, system log, configuration unload and backup via HTTP or TFTP, PING, dual images, SNTP
SNMP	SNMP version 1 and 2c

Learn more at **Linksys.com/business**