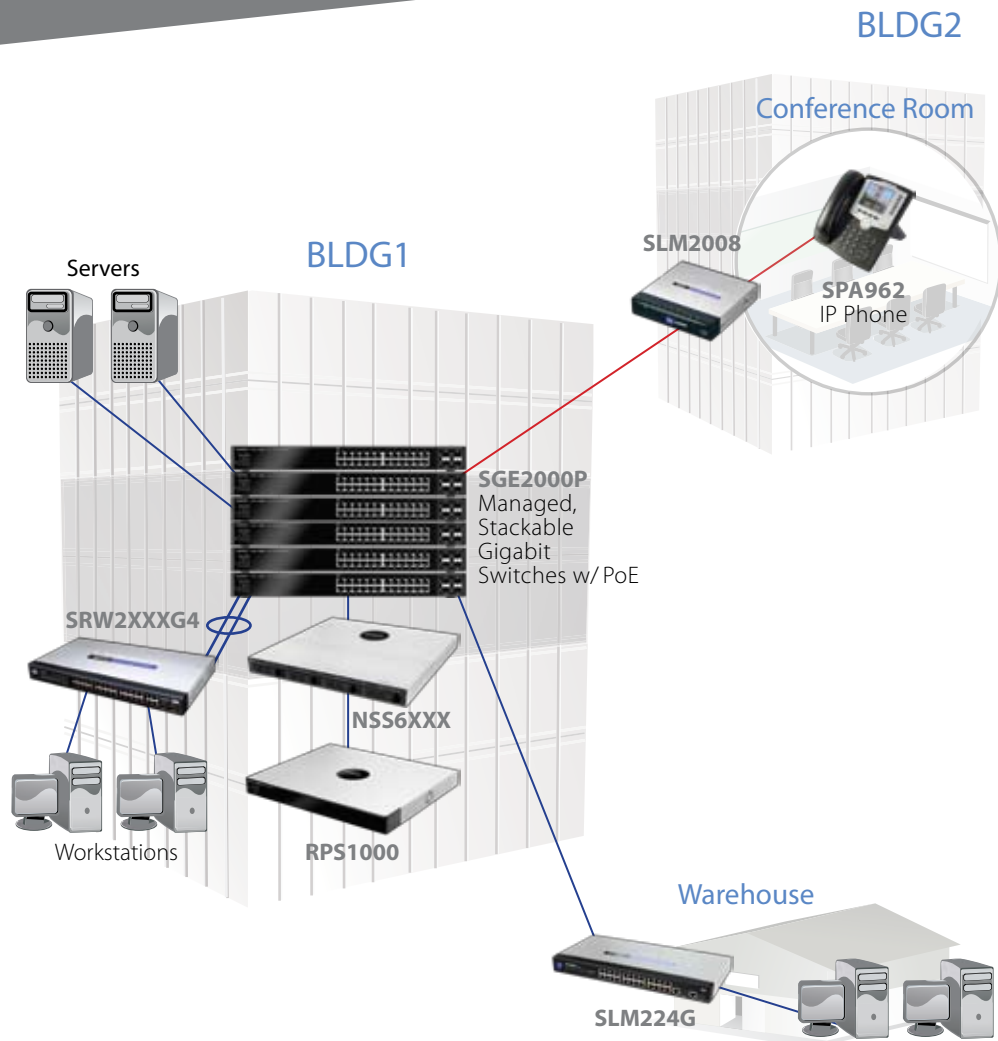


# Networking (LAN) Example

Connect the parts of your business into a whole working network.



Product	Description	LAN Features					
		10/100 or 10/100/1000	Link Aggregation	Jumbo Frames	Non-Blocking	Manageable	MAC Filtering
SRW224G4 SRW248G4	24- and 48-port 10/100 + 4-port Gigabit Managed Switch with WebView	10/100	•	Mini	•	•	•
SRW224G4P SRW248G4P	24- and 48-port 10/100 Managed Switch with WebView, PoE, 2 Shared Gigabit Combo Ports + 2 Gigabit Uplink Ports	10/100	•	Mini	•	•	•
SRW224P	24-port 10/100 + 2-port Gigabit Managed Switch with WebView and Power over Ethernet	10/100	•	Mini	•	•	•
SRW2016 SRW2024 SRW2048	16-, 24- and 48-port 10/100/1000 Gigabit Managed Switch with WebView	10/100/1000	•	•	•	•	•
SRW2008	8-port 10/100/1000 Gigabit Managed Switch with WebView	10/100/1000	•	•	•	•	•
SRW2008P	8-port 10/100/1000 Gigabit Managed Switch with WebView and PoE	10/100/1000	•	•	•	•	•
SRW208 SRW208G SRW208L SRW208P SRW208MP	8-port 10/100 Ethernet Switch with WebView, with Expansion Slots, with 100Base-LX Uplink, with PoE, with Maximum Power PoE	10/100	•	Mini	•	•	•
SFE2000 SFE2000P	24-Port 10/100 Ethernet Switch + 4 10/100/1000 ports, with PoE	10/100	•	Mini	•	•	•
SGE2000 SGE2000P	24-Port 10/100/1000 Gigabit Switch + 4 10/100/1000 ports, with PoE	10/100/1000	•	•	•	•	•
NSS4100	Network Storage System with four 250GB HDDs	10/100/1000		•		•	•
NSS4000 NSS4100 NSS6000 NSS6100	Network Storage System	10/100/1000		•		•	•

## Key Features

Key Features	Benefit
Non-Blocking Architecture	Minimizes bottlenecks and network congestion.
Link Aggregation	Bonds multiple ports on switches and servers together to increase speed and redundancy
Fully Managed	Allows full control and customization of device settings from anywhere.
Security and Traffic Management	Prevents unauthorized access to network resources and prioritizes time-sensitive traffic.
Broadcast Storm Prevention	Keeps network open for legitimate traffic and protects against excessive broadcasts

## Glossary of Terms

**Gigabit Ethernet** A networking standard that supports data transfer rates of 1 gigabit per second (1000 Mbps) as opposed to Fast Ethernet (100 Mbps) or standard Ethernet (10 Mbps.)

**Managed** Networking hardware that is managed has an IP address and lets you monitor and administer your network.

**Quality of Service (QoS)** A term that specifies a guaranteed throughput level for network traffic. Can prioritize high-bandwidth files over less time-sensitive applications.

**Power over Ethernet (PoE)** A technology that enables an Ethernet network cable to deliver both data and electrical power.

**Router** A networking device that connects multiple networks together, such as a local network and the Internet.

**Server** Any computer whose function in a network is to provide user access to files, printing, communications, and other services.

**Switch** A device that that connects computing devices to host computers, allowing a large number of devices to share a limited number of ports.

## Frequently Asked Questions

### ***Do I need a managed network?***

As your network grows and your network traffic grows, network management becomes critical to maintain optimum performance and maximum security. A managed switch is a must for applications such as voice and video.

### ***Can I easily manage the network?***

All fully managed Linksys products come with the WebView monitoring tool, which allows you to manage your network from anywhere, using a Web browser. The WebView interface is simple and intuitive, with pulldown menus and several configuration options.

### ***When do I use Power over Ethernet (PoE)?***

Power over Ethernet, which allows networks to run both data and electrical power through an Ethernet cable, is a great option if you are running network peripherals that traditionally need a power outlet. With PoE, you can place IP phones, surveillance cameras and wireless access points virtually anywhere in the office without traditional wall plugs.

### ***Why is Quality of Service (QoS) important?***

Because data traffic is not uniform, time sensitive data can experience packet delay which can result poor voice or video transmissions. QoS allows QoS-capable switches to prioritize which traffic gets transmitted first. This allows bandwidth-intensive traffic to move ahead of less time-sensitive traffic like e-mail, which minimizes delay and results in a better user experience.

### ***Should I invest in Gigabit Ethernet?***

Businesses today need to do full data backups on servers and user computers. As storage systems become larger and higher performing, and as multimedia data takes up more space, a gigabit interface can be a huge benefit for any growing, changing business.

### ***What if my network grows? Do I just add more bandwidth?***

You need more bandwidth, but you also need more intelligence. Otherwise, bandwidth-hungry applications like storage will slow the whole network down. You also may want to restrict users to certain servers and applications. These tasks require managed switches that can prioritize critical data and block data from unauthorized users.

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