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LINKSYS®
A Division of Cisco

Connected Office Product Guide
Fall 2007

Founded in 1988, Linksys, A Division of Cisco (NASDAQ: CSCO) is the recognized leader in Voice, Wireless and Ethernet networking hardware for consumer, SOHO and small business users. Linksys is dedicated to making networking easy and affordable for its customers, offering innovative, award-winning products that seamlessly integrate with a variety of devices and applications. Linksys provides award-winning product support to its customers.

NAMKT101V3

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Linksys Connected Office

The **Linksys Connected Office** is a broad portfolio of products and solutions ideal for businesses at any stage in their development. With Linksys Connected Office it's easy to build and manage a network with or without an IT staff. Whether you design your own network or work with a Value Added Reseller (VAR), Linksys Connected Office has just the right products or solutions to meet your business requirements. Build a new network or expand your existing one with robust and affordable **Business Series** products. Or choose **Linksys One**, the automated and intelligent data and voice solution that a reseller can manage for you allowing you to focus on your business.

Business Series
Linksys Business Series products add value to any network. They include Virtual Private Network (VPN) Routers, Unmanaged, Smart and Managed 10/100 and Gigabit Switches with and without Power over Ethernet (PoE), Linux-based Network Attached Storage and IP Telephony with the Linksys Voice System (LVS). They are engineered with built-in security and reliability. Some Business Series products are also Linksys One Ready so they can operate in any standard business network or be instantly integrated into an automated Linksys One solution. This gives your business the ability to build a robust networking platform with the option of transitioning to a hosted Linksys One solution when you are ready to do so.

Linksys One
Linksys One is an automated and integrated network of data networking devices like wired and wireless VPN Routers, Stackable Switches, Network Attached Storage, IP Video Surveillance and IP Phones. In addition to high-speed broadband, LAN and Voice connectivity, Linksys One providers offer a selection of business applications to make your business more efficient and productive.

Quality with Affordability
With Linksys Connected Office products, you don't have to choose between quality and affordability. Linksys Connected Office products and solutions are backed by decades of networking and voice engineering innovations and expertise from the two leaders in the industry – Cisco and Linksys. This industry prowess results in best-in-class products aggressively priced for your budget-conscious small businesses.

Security
Many Connected Office routers include advanced firewalls and Intrusion Prevention. For employees working from home or who are constantly on the road, Business Series and Linksys One routers and client devices also include Virtual Private Network (VPN) and Linksys QuickVPN so employees can access company networks and securely communicate with colleagues.

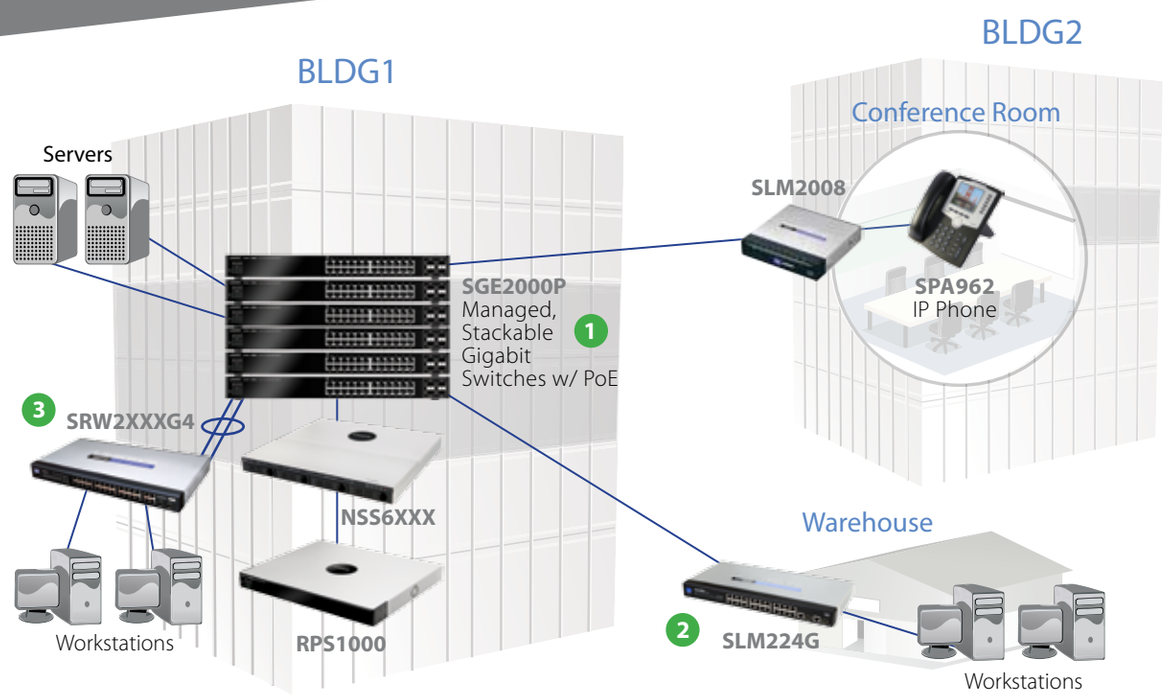
Service and Support
With Business Series products, small businesses have access to technical support from highly-trained support staffs, free firmware maintenance releases, and competitive warranties. Many products also include web-based, remote management tools, so network administrators can configure, troubleshoot the network or even optimize it for voice, storage, and high-bandwidth traffic. With the Linksys Voice System and Linksys One, Solution Providers keep businesses communicating. Linksys One also enables VARs to remotely manage a small business' Linksys One data and voice network with expanded device visibility. These remote management capabilities let small businesses focus on their business.

Investment Protection
Linksys Connected Office products will serve your business reliably for many years to come. Yet when your small business isn't so small anymore, you may need to integrate or upgrade to enterprise-level networking products. With the **Linksys to Cisco Trade-Up Program**, you can trade up to Cisco enterprise-level products within the first three years of your eligible Connected Office product purchase.

Endless Solutions. One Source
You need solutions that can keep up with the demands of the business now and be there for you in the future. Linksys Connected Office products are designed from the ground up to work together and optimized to bring you the best possible solutions from a single source. Your business can have the tools to enable you to compete and succeed when it's a ***Linksys Connected Office***.

Networking (LAN) Solution

Key Features:
- Non-Blocking Architecture
- L2 & L3 QoS/CoS
- Security & Traffic Management
- Fully Managed L2 Features - SNMP, HTTP, Telnet, RMON
- Network Availability Features - Spanning Tree, Link Aggregation, Storm Prevention



1 **SGE2000/P Managed Gigabit Stackable Switch (with and without PoE)** serves as a backbone switch for the network with connectivity to company servers and Network Storage Systems (NSS4xxx or NSS6xxx) so users can access, share and archive business critical data.

2 **SLMxxx Smart Switches** provide cost-effective connectivitiy with simplified management targeted for small business workgroups (Conference Rooms, Labs, Warehouses) or the network edge.

3 **SRW2xxG4 Managed 10/100 Ethernet Switch** provides connectivity to a company workgroup on the same floor or on a different floor of the business.

4 **SRW208x Managed 10/100 Workgroup Switch with PoE** for workgroup that requires Power over Ethernet enabled devices such as **VoIP phones** and **Wireless Access Points (WAP4400N)**

Link Aggregation - When two or more Fast Ethernet or Gigabit Ethernet ports are combined to increase the throughput capacity from switch to switch (or device). Link Aggregation is especially useful to speed along multiple user PC hard drive back ups to company servers or storage devices.

PoE (Power over Ethernet) - PoE Switches can deliver power to PoE-enabled devices like Wireless Access Points or IP Phones through their Ethernet ports to eliminate the need for power outlets. These switches have built-in safeguards to poll connected end devices for PoE capability before delivering power. PoE enables companies to position Wireless Access Points virtually anywhere in their buildings when power outlets are not available or to optimize best possible wireless signal coverage for employees. PoE also enables phones to be placed or relocated to different areas where power outlets are not available.

Stackable Switches - Stackable switches are switches that can be connected and managed as one switch. For example, four 24-port stackable switches could be managed as one 96-port switch. This capability helps to simplify and streamline management workflow of the stack.

Linksys Connected Office networking products allow you to connect computers, printers, network devices in your small business into a whole working system. Securely collaborate with colleagues inside or outside the office, print documents from connected printers, share files and back up workstation PCs to Business Series Network Storage Systems. With our Managed Switches (SLM, SRW, SFE or SGE series) you can optimize the network enabling your workforce be more productive and efficient with controls for Quality of Service (QoS) to prioritize voice, video with data, Virtual LANs (VLANs) for workgroup traffic, and Link Aggregation to significantly boost network speeds. Linksys routers and managed switches also include the latest security features to control access to the network, and to prevent attacks from the Internet and even inside the network.

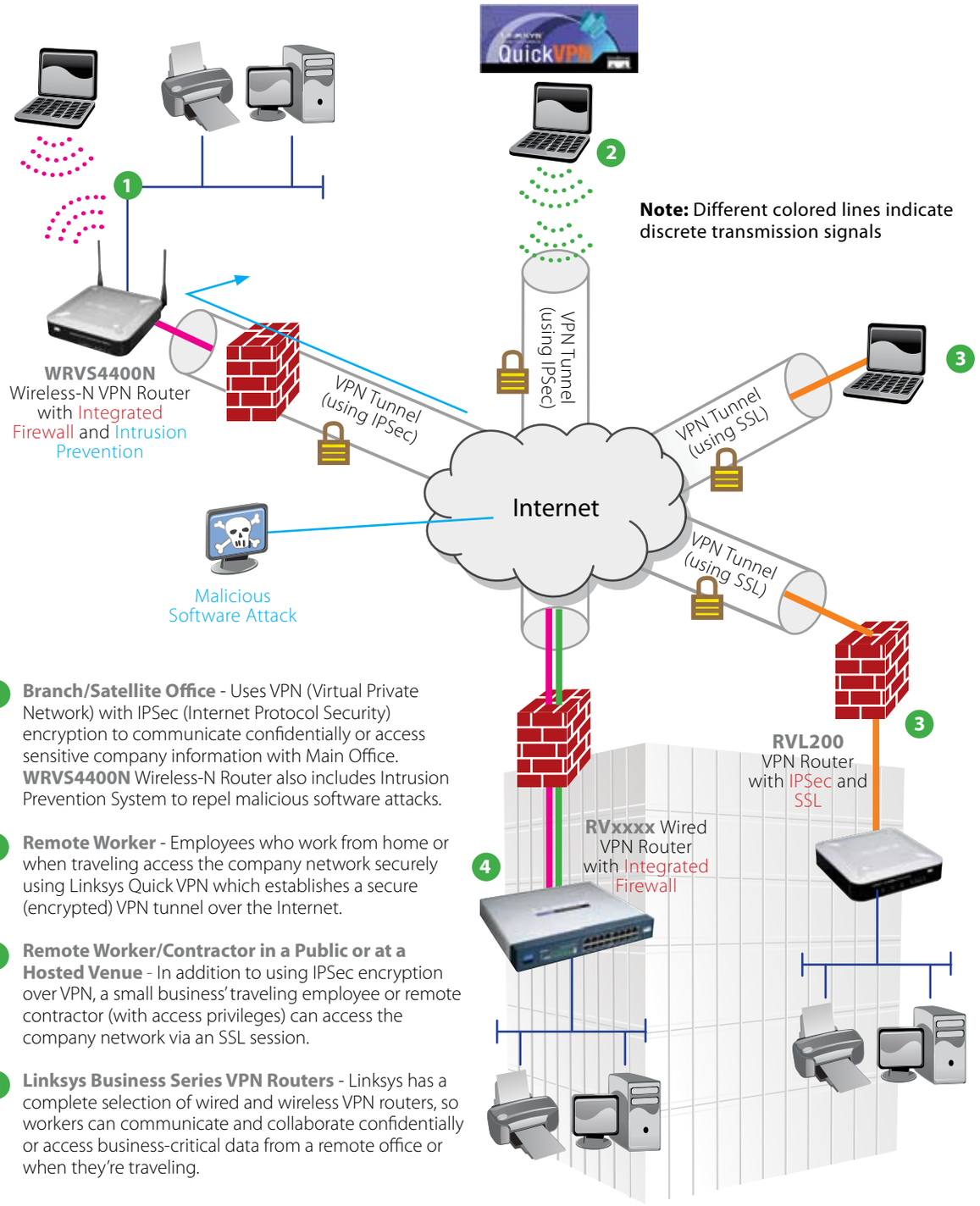
Product	Description	LAN Features					
		10/100 or 10/100/1000	Link Aggregation	Jumbo Frames	Non-Blocking	Manageable	MAC Filtering
SRW224G4 SRW248G4	24- and 48-port 10/100 + 4-port Gigabit Managed Switch with WebView	10/100	•	Mini	•	•	•
SRW224G4P SRW248G4P	24- and 48-port 10/100 Managed Switch with WebView, 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		•		•	•
NSS6100	Network Storage System with four 250GB HDDs	10/100/1000		•		•	•

Remote Access & Security Solution

Key Features:
- IPSec and SSL VPN
- Wireless Option
- Support for Gateway-to-Gateway

- DoS/DDoS
- Worm Attacks
- Web Attacks
- IP Fragmentation

- Trojan Horse/Back Door
- Port Scan
- Buffer Overflow
- Vulnerabilities Attacks



Note: Different colored lines indicate discrete transmission signals

1. **Branch/Satellite Office** - Uses VPN (Virtual Private Network) with IPSec (Internet Protocol Security) encryption to communicate confidentially or access sensitive company information with Main Office. **WRVS4400N** Wireless-N Router also includes Intrusion Prevention System to repel malicious software attacks.

2. **Remote Worker** - Employees who work from home or when traveling access the company network securely using Linksys Quick VPN which establishes a secure (encrypted) VPN tunnel over the Internet.

3. **Remote Worker/Contractor in a Public or at a Hosted Venue** - In addition to using IPSec encryption over VPN, a small business' traveling employee or remote contractor (with access privileges) can access the company network via an SSL session.

4. **Linksys Business Series VPN Routers** - Linksys has a complete selection of wired and wireless VPN routers, so workers can communicate and collaborate confidentially or access business-critical data from a remote office or when they're traveling.

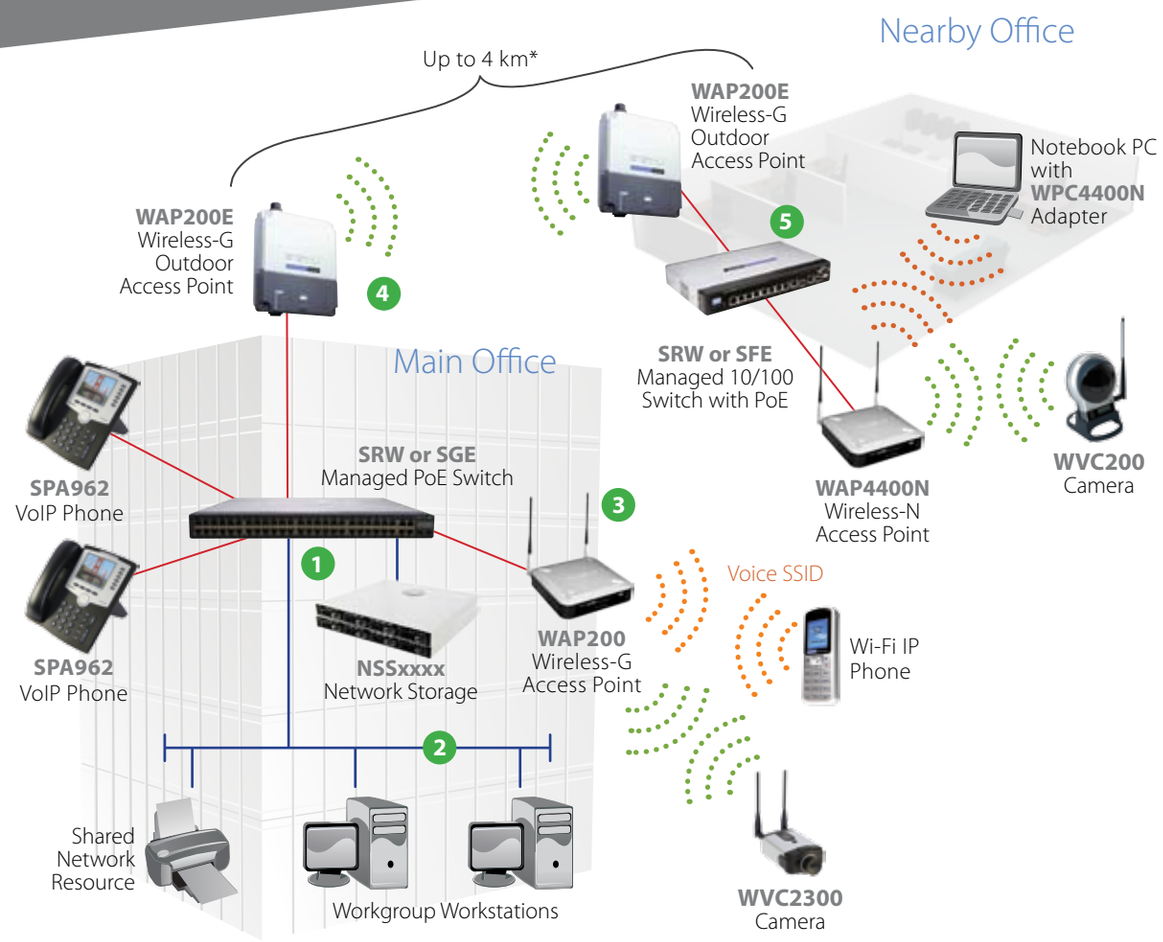
Small business users often need their networks to go with them when they travel. Or want to connect to a satellite office. Linksys Business Series products enable them to keep in touch with their home office and stay on the job anytime, anywhere they can connect to the Internet. Whether they need wired or wireless connectivity, IPSec or SSL security, there is a Linksys Business Series product that will let them keep their employees productive. In branch offices or on the road, they can communicate knowing that their data will stay safe. And many Business Series products can be remotely managed, so a business' network administrator can monitor, configure or troubleshoot the network through a browser-based user interface.

Product	Description	Remote Access Features							
		VPN Pass Through	VPN Termination	# of Quick VPN Users	Encryption Performance	FW / IDS-IPS /AV / UTM	Dual WAN	SSL	PPTP
RV042	10/100 4-port VPN Router	•	•	50 *	59 Mbps	FW	•		5
RV082	10/100 8-port VPN Router	•	•	50 *	90 Mbps	FW	•		5
RV016	10/100 16-port VPN Router	•	•	50 *	90 Mbps	FW	•		10
RVS4000	4-port Gigabit Security Router with VPN	•	•	5	2 Mbps	FW / IPS			0
RVL200	4-port SSL/IPSec VPN Router	•	•	5	17 Mbps	FW		5	0
WRV200	Wireless-G VPN Router with RangeBooster	•	•	10	30 Mbps	FW			0
WRVS4400N	Wireless-N Gigabit Security Router with VPN	•	•	5	2 Mbps	FW / IPS			0
WRV54G	Wireless-G VPN Router	•	•	50 *	28 Mbps	FW			0

* With QuickVPN 50 user license upgrade

Wireless Access Solution

Key Features:
- 802.11g Wi-Fi with PoE
- Multiple SSIDs with VLAN Mapping
- Security and QoS
  - 802.1x, WPA, WMM
- Multiple AP Modes
  - AP, P-to-P, P-to-MP



* Wireless range and actual throughput vary based upon numerous environmental factors so individual performance may differ.

1. **SRW or SGE** Managed Gigabit Ethernet Switch with Power over Ethernet (PoE) serves as a backbone switch for the network with connectivity to employees workstations, company's **Network Storage Systems (NSSxxxx)** to access, share and archive business critical data; shared resources like networked printers and PoE-end devices like VoIP Phones and Wireless Access Points (**WAP200** and **WAP4400N**).

2. **VLANs** - Separate Virtual Local Area Networks (VLANs) are configured in the backbone switch to secure and optimize traffic flow between users in discrete workgroups. For example, an accounting department and a marketing department are typically on separate VLANs.

3. **WAP200** Wireless Access Point provides connectivity to WiFi IP Phone clients and surveillance cameras each on their own network (SSID).

4. **WAP200E** Wireless-G Outdoor Access Points. These outdoor access points derive their power from a PoE switch since they are typically mounted on rooftops or on other high perches of a company's building where power outlets may not be present. In this scenario, each WAP200E is configured in bridging mode connecting the Main Office and Nearby Office networks so users in each office can communicate, collaborate with one another and access company data and resources in the entire company.

5. Nearby Office Network is bridged to the Main Office network and contains the necessary wired and wireless devices to conduct business.

PoE (Power over Ethernet) - PoE Switches can deliver power to PoE-enabled devices like Wireless Access Points or IP Phones through their Ethernet ports. These switches have built-in safeguards to poll connected end devices for PoE capability before delivering power. PoE enables companies to position Wireless Access Points virtually anywhere in their buildings when power outlets are not available or to achieve best possible wireless signal coverage for employees. PoE also enables phones to be placed or relocated to different Ethernet nodes throughout a building.

SSID (Service Set Identifier) - The SSID is the name of a wireless network broadcast by a wireless router or access point to which wireless clients associate. The WAP200 has the ability to broadcast multiple SSIDs for discrete networks. One SSID, for example for surveillance, can be a password-protected private network with access rights to only select users in a business. Another SSID can also be a private company network for employee-only access to company resources or a public network, so guests of the company can access the Internet and their email.

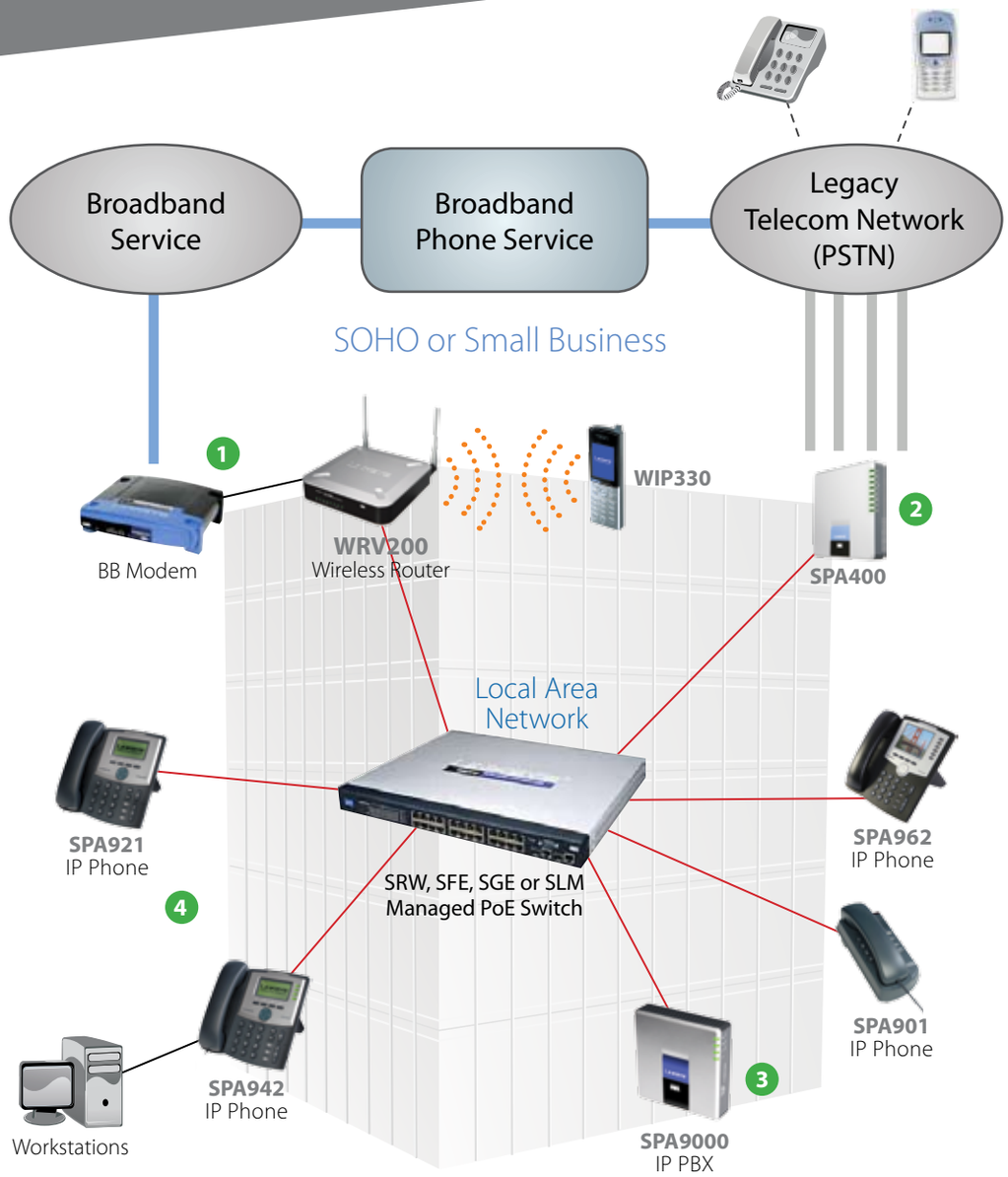
Once a small business goes wireless, they will wonder how they ever lived without it. Now they can enjoy the freedom to work anywhere, without cables and get the performance they have come to expect from a robust business network—wirelessly. Many Linksys Business Series wireless routers, access points and adapters include features like multiple SSID-to-VLAN mapping, 802.11g or 802.11n with Power over Ethernet, VPN security, Quality of Service, WPA and WMM and more. At the same time, these devices are designed to be easy to set up, reliable, and include powerful and intuitive management tools. Going wireless has never been so easy or affordable.

Product	Description	Wireless Features				
		802.11g / 802.11n	Multiple SSID-VLAN	AP Modes	Upgradeable Antennas	MAC Filtering
WAP54GP	Wireless-G Access Point with Power over Ethernet	11g	•	AP, Pt-to-Pt Bridge, Pt-to-Mpt Bridge, Repeater	•	•
WAP200E	Wireless-G Exterior Access Point with Power over Ethernet	11g	•	AP, Pt-to-Pt Bridge, Pt-to-Mpt Bridge, Repeater	•	•
WAP4400N	Wireless-N Access Point with Power over Ethernet	11g/11n		AP	•	•
WRV200	Wireless-G VPN Router with RangeBooster	11g	•	AP		•
WRVS4400N	Wireless-N Gigabit Security Router with VPN	11g/11n		AP		•
WPC4400N	Wireless-N Business Notebook Adapter	11g/11n				
WRV54G	Wireless-G VPN Broadband Router	11g		AP, Pt-to-Pt Bridge, Pt-to-Mpt Bridge, Repeater	•	•
WAP200	Wireless-G Access Point with Power over Ethernet and RangeBooster	11g	•	AP, Pt-to-Pt Bridge, Pt-to-Mpt Bridge, Repeater	•	•
WAP2000	Wireless-G Access Point with Power over Ethernet	11g	•	AP, Pt-to-Pt Bridge, Pt-to-Mpt Bridge, Repeater	•	•
WET200	Wireless-G Business Ethernet Bridge	11g	•		•	
WAP200E	Wireless-G Access Point with Power over Ethernet and RangeBooster	11g		AP, Pt-to-Pt Bridge, Pt-to-Mpt, Bridge, Repeater		

Linksys Voice System

Key Features:

- Auto Configuration with SPA9000 IP PBX
- Multi-Line VoIP Phone System
- Call Transfer
- Call Parking
- Intercom and Paging
- Multi-Line Conferencing
- Hunting
- Shared Lines
- Call Forwarding



1 A Linksys **Broadband Modem** (Cable or ADSL/ADSL2+) provides connectivity to Internet Service Providers (ISPs) and an Internet Telephony Service Provider (ITSP) that enables small businesses to make and receive phone calls with Voice-over-IP (VoIP) a method of sending and receiving voice signals that have been converted to data packets over IP networks. A Linksys Wireless Router provides connectivity to users on the network to transfer data and voice.

2 The **SPA400** is an **Analog Line Gateway** (used in conjunction with the SPA9000 IP PBX) for connectivity to a Public Switched Telephone Network (PSTN). With the SPA400 analog/legacy phones and fax machines or IP Phones hosted by the SPA9000 can access the PSTN. This gives small businesses the option to support their existing phone infrastructure in addition to using VoIP. The SPA400 also maintains a voicemail system supporting up to 32 separate voicemail accounts.

3 LVS IP Phones are automatically detected and registered with the small business ITSP when connected to the **SPA9000 IP PBX** through a Power over Ethernet (PoE) Switch (**SRW248G4P, SFE2000P, SGE2000P , SLM224P or SLM248P**) on the network. The SPA9000 features auto-attendant, shared line appearances, three way conferencing, intercom, hunt groups, call transfer, call forwarding, call parking lot, group paging, and music on hold. Analog phones and fax machines can also be connected to the SPA9000's FXS ports for calling or faxing over the IP network. With the SPA9000, small business can get the benefits of VoIP, including low cost long distance service, telephone number portability, and utilizing the same network for both voice and data.

4 LVS features a full line of IP Phones supporting from 1 to up to 6 lines (**SPA921, SPA922, SPA941, SPA942, and SPA962**) and are designed to be interoperable with SIP (Session Initiation Protocol) based IP telephony networks. They are also PoE-end devices so they can be powered from a PoE switch allowing them to be placed virtually anywhere in an office environment. Up to 16 phones can be supported with one SPA9000 IP PBX.

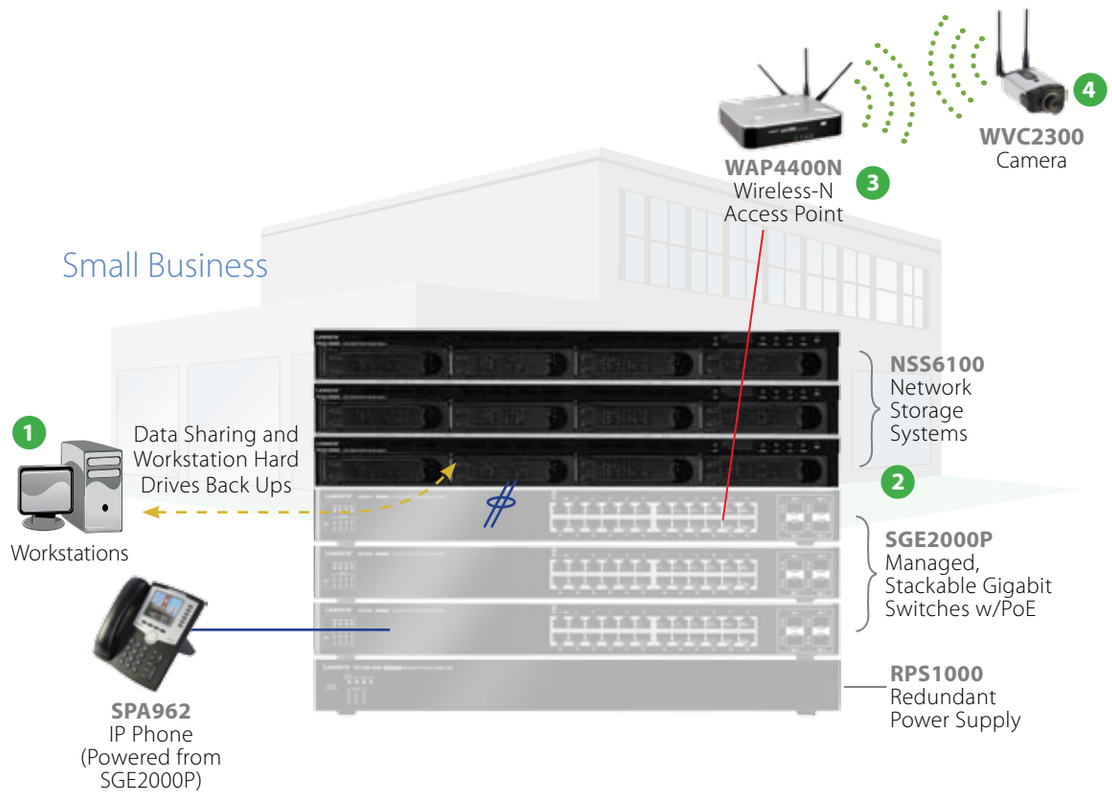
Small businesses that need the sophistication of a high-end office phone system, but want the convenience and lower cost of Voice over IP can now have both with the Linksys Voice System. The LVS network has an IP PBX at its heart, voice gateways that lets small businesses leverage their existing PSTN (Public Switched Telephone Network) service, and a wide range of IP Phones priced for any budget. Run phones, fax, wireless products, and broadband service from one network — it's easy, and it can save businesses money every day.

Product	Description	Voice Over IP					
		L2/L3 QoS	PoE	Port-based QoS	Web Mgmt.	Downloadable .XML Config	Multi-Language Support
SPA901	1-Line IP Telephone	•			•	•	•
SPA921	1-Line IP Telephone with 1 Ethernet Port and Hi-Res Display	•		•	•	•	•
SPA922	1-Line IP Telephone with 2-Port Ethernet Switch, PoE and Hi-Res Backlit Display	•	•		•	•	•
SPA941	4-Line IP Telephone with 1 Ethernet Port and Hi-Res Display	•		•	•	•	•
SPA942	4-Line IP Telephone with 2 Port Ethernet Switch, PoE and Hi-Res Backlit Display	•	•	•	•	•	•
SPA962	6-Line IP Telephone with 2-Port Ethernet Switch	•	•	•	•	•	•
SPA9000	IP Telephony System	•			•	•	•
SPA400	Internet Telephony Gateway with 4 FXO Ports	•			•	•	•

Network Attached Storage Solution

Key Features:

- 1U 19" Rack-Mountable Intelligent Chassis
- 4 Hot-Swappable SATA Hard Drive Bays
- Support for PC/Mac (SMB/CIFS) and Linux/Unix (NFS) clients
- Support for RAID 0,1,5,10, and JBOD configurations
- Dual Gigabit Ethernet Interfaces
- Flash-based Storage for OS/applications (eliminates dependence on system drives)
- Network-based Storage Aggregation
- On Disk File Encryption
- Linksys One Ready



1. Hard drives on employee workstations are backed up to **Network Storage Systems (NSS4xxx or NSS6xxx).** Employees also use the NSS units to share and retrieve business-critical data.

2. Each Network Storage System chassis includes two Gigabit Ethernet uplink ports that can be connected to Gigabit Ethernet ports on a Gigabit Switch, like the **Stackable Gigabit Ethernet Switch with PoE (SGE2000P)**. This capability enables companies to back up hard drives at a much quicker rate and helps to eliminate data traffic bottlenecks (see also Link Aggregation below).

3. Employees accessing the network wirelessly through a **Wireless Access Point (WAP4400N)** connected via Power over Ethernet (PoE) to a PoE Switch like the SGE2000P, can collaborate on files or projects residing on the NSS devices giving them the freedom to move around the office and attend meetings while still completing work.

4. Network Storage Systems can be used to archive surveillance video that the **Wireless Camera (WVC2300)** captures and then retrieve it as necessary if an event needs to be reviewed or examined.

Link Aggregation - When two or more Ethernet or Gigabit Ethernet ports are combined together to increase the throughput capacity from switch to switch (or from switch to an NSS device with Gigabit Ethernet uplink ports). Link Aggregation is especially useful to speed along multiple user PC hard drive back ups to company servers or storage devices.

PoE (Power over Ethernet) - PoE Switches can deliver power to PoE-enabled devices like Wireless Access Points or IP Phones through their Ethernet ports. These switches have built-in safeguards to poll connected end devices for PoE capability before delivering power. PoE enables companies to position Wireless Access Points virtually anywhere in their buildings when power outlets are not available or to achieve best possible wireless signal coverage for employees. PoE also enables PoE enabled phones to be placed or relocated to any area throughout a building.

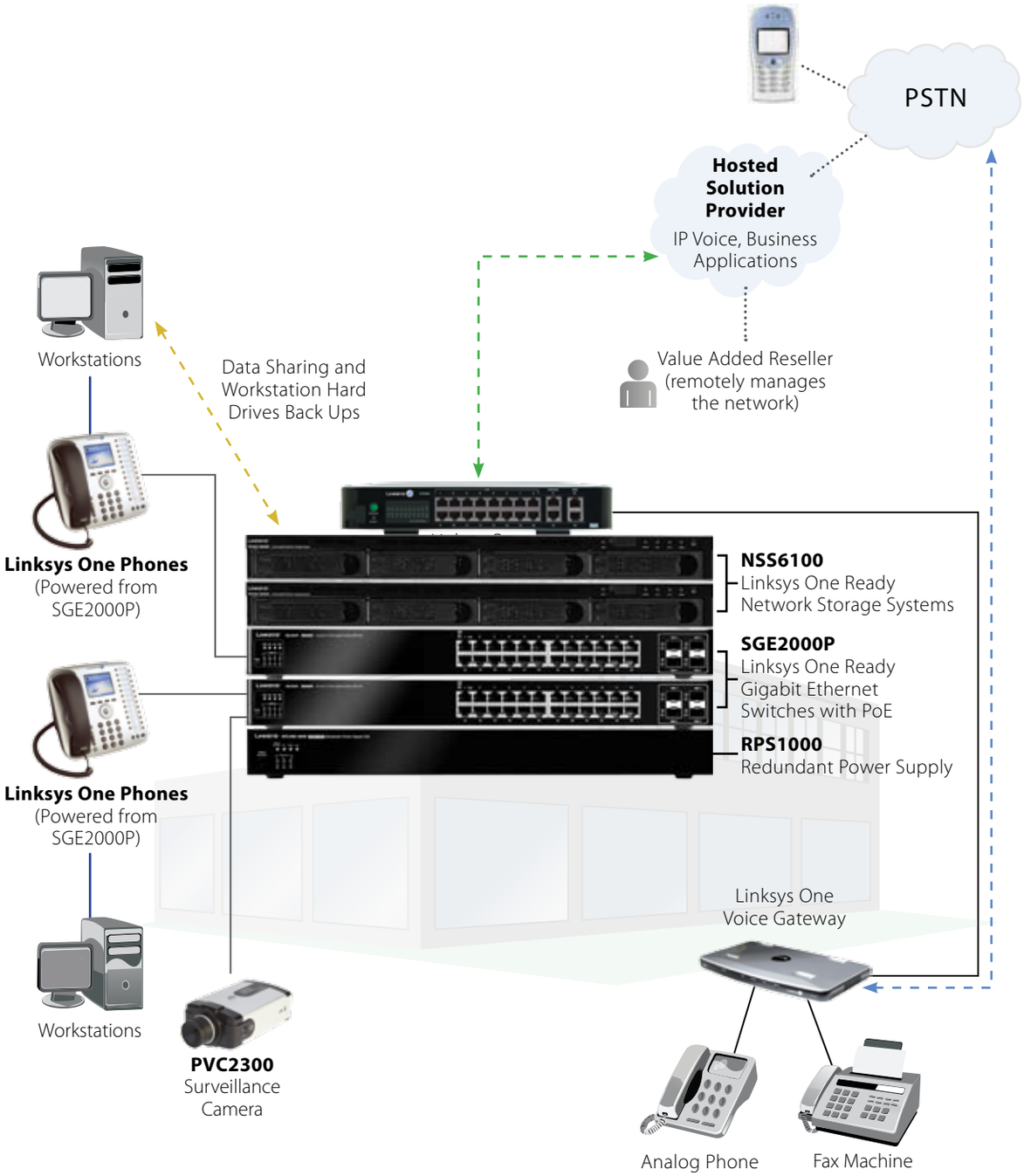
The intelligent chassis design of the Linksys Network Storage System (NSS) series of products gives IT managers, VARs and integrators the flexibility to configure or reconfigure a storage system for specific business requirements. A Linksys Business Series NSS product can be optimized for performance, capacity and/or reliability depending on the size and type of SATA (Serial ATA) drives selected or included. Supporting as many as 15 or 75 concurrent CIFS users, Linksys Business Series NSS products bring robust Network Attached Storage (NAS) within reach of today's budget-minded small businesses or workgroups in larger organizations.

Linksys Business Series NSS devices are ideal for storing, backing up, sharing and archiving critical company or customer information on an on-going basis. The feature set of the rack-mountable Linksys NSS series set it apart from entry-level, desktop NAS systems. At the same time, its competitive pricing gives small businesses the opportunity to realize substantial cost savings when compared with more expensive and inflexible storage systems.

Unlike other NAS systems that need to contain operating system software on one or more hard drives, each Linksys NSS product features a unique and intelligent chassis that contains the Linux OS that controls the system. This gives the NSS system the flexibility to be configured without connected drives and reconfigured at any time, even hot swapping and resorting hard drives to different storage bays.

Product	Description	Network Storage Stystem Features						
		15 Concurrent CIFS Users	75 Concurrent CIFS Users	Chassis Only	Includes (4) 250GB Hard Drives	Preconfigured RAID 5	Linksys One Ready	Max. Unformatted Capacity
NSS4000	4-Bay Rack-mountable Network Storage System	•		•			•	4TB
NSS4100	4-Bay Rack-mountable Network Storage System	•			•	•	•	4TB
NSS6000	4-Bay Rack-mountable Network Storage System		•	•			•	4TB
NSS6100	4-Bay Rack-mountable Network Storage System		•		•	•	•	4TB

LINKSYS one™ Solution



Linksys One is part of the Linksys portfolio of solutions for small business. It can be configured as a remotely managed data networking solution or as a complete converged, hosted data/voice solution. It can be customized to meet small business' needs. It can grow as the business grows with additional Linksys One Ready network switches (SFE and SGE), Linksys One Ready Network Storage System (NSS) products, Linksys One Ready IP Cameras, Linksys One IP phones, and other Linksys One devices that instantly connect to the system.

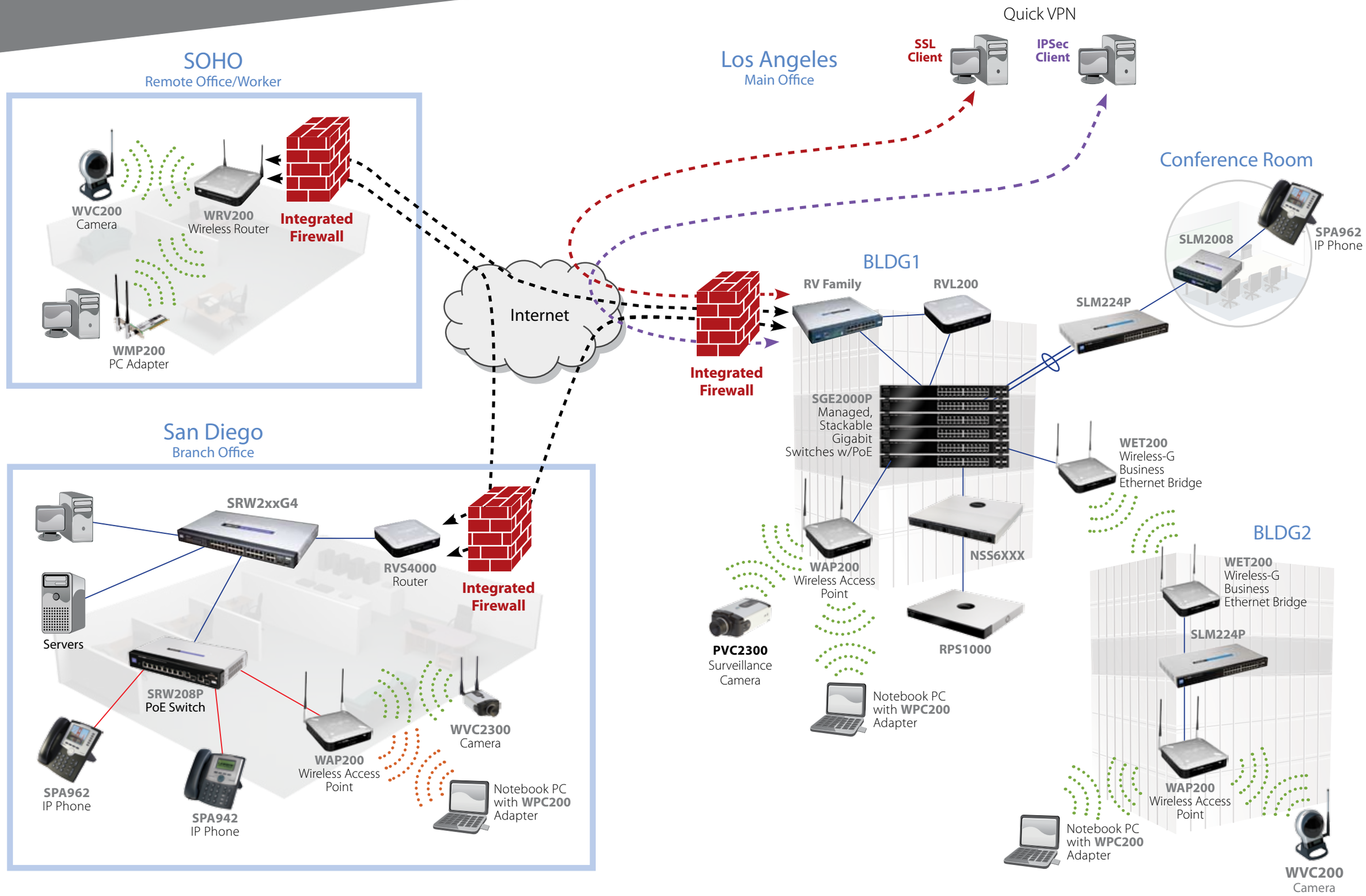
Now small businesses, instead of piecing together different and sometimes incompatible networking products, phones and other devices, can have an integrated solution that's designed to work together. With a Linksys One solution, small businesses also have a single trusted contact, a Linksys One VAR, who provides quick installation, training, and remote management, together with an authorized Service Provider that can deliver low cost, business applications and IP phone service.

Linksys One has powerful security, Quality of Service (QoS) and reliability built right into the solution, so a small business can focus on their business. This unique technology leverages years of Cisco and Linksys experience in building secure voice and data networks, and brings that expertise to the Linksys One solution.

As a small business grows, the Linksys One solution can grow with them. New employees can be connected to computers and phones in minutes. The Linksys One network updates itself and can automatically incorporate new Linksys One devices and applications to provide smarter ways for companies to transact business. This level of integration enables small businesses to scale their system cost effectively with simple moves, adds and changes.

Linksys Business Series SFE and SGE Stackable Switches and Network Storage Systems (NSS) are Linksys One Ready devices. That means they already include the necessary firmware to be integrated into a Linksys One network. All that a small business needs to do is to supplement their data network with a Linksys One Services Router (and Linksys One IP Phones if they want voice). The Linksys One Services Router will instantly discover the Linksys One Ready Switches, IP Cameras and NSS devices and join them to the network.

Large Business Network with Branch Offices



Wireless Access Points/VPN Routers/Adapters

WRVS4400N
Wireless-N Gigabit Security Router with VPN

- Wireless-N offers greater speed and coverage than 802.11g, while at the same time being backwards compatible with 802.11b and -g devices
- SPI Firewall, and Intrusion Prevention secure the work from outside threats
- QuickVPN IPSec VPN tunnel support provides secure remote user connectivity
- Support for WMM provides improved QoS over wireless connections for better video and voice performance

WAP4400N
Wireless-N Access Point with Power over Ethernet

- Complies with IEEE draft 802.11n standards while at the same time being backwards compatible with 802.11b and -g devices
- Standards-based PoE (IEEE 802.3af) or External DC power
- MIMO technology uses multiple antennas to create a robust signal that travels farther and reduces dead spots
- Support for WMM provides improved QoS over wireless connections for better video and voice performance

WPC4400N
Wireless-N Notebook Adapter

- High-speed Wireless-N Notebook Adapter for your business.
- MIMO technology uses multiple antennas to create a robust signal that travels farther and reduces dead spots
- Significantly faster than 802.11g, but can also connect to 802.11g and –b networks
- Advanced wireless security using Wi-Fi Protected Access™ (WPA2) with up to 256-bit encryption, and New AP/Client detection (when used with WAP4400N) gives your business the visibility and protection it needs

WRV200
Wireless-G VPN Router with RangeBooster

- RangeBooster (MIMO) technology for dramatically increased range
- SPI Firewall, Encryption, and VPN support
- Multiple BSSIDs and VLANs for separate secure networks
- Enhanced QoS for both wireless and wired provide improved quality voice/video

WAP200
Wireless-G Access Point with Power over Ethernet and RangeBooster

- Standards-based PoE (IEEE 802.3af) or External DC power
- Up to twice the range, reduced dead spots, and up to 35% more throughput than standard 802.11g
- Advanced wireless security using Wi-Fi Protected Access™ (WPA2) with up to 256-bit encryption, and new Security Monitoring feature with RangeBooster adapters
- WMM provides improved QoS over wireless for better video and voice.

WAP2000 LINKSYS One Ready
Wireless-G Access Point with Power over Ethernet RangeBooster Wireless Access Point Solution

- Standards-based PoE (IEEE 802.3af) or External DC power
- RangeBooster technology for up to twice the range, reduced dead spots, and up to 35% more throughput than standard 802.11g
- Advanced wireless security using Wi-Fi Protected Access™ (WPA2) with up to 256-bit encryption and support for WMM provides improved QoS over wireless connections for better video and voice performance
- Linksys One Ready for instant integration into a Linksys One network

Wireless Access Points/VPN Routers/Adapters

WAP200E
Wireless-G Exterior Access Point with Power over Ethernet

- Add high-speed Wireless-G MIMO access to the exterior areas of your small business network
- RangeBooster technology for up to twice the range, reduced dead spots, and up to 35% more throughput than standard Wireless-G
- Weather-proof housing (NEMA IP53 compliant), internal high-gain antennas, and Power over Ethernet enable safe, simple, exterior installations
- Advanced security with WPA encryption, logging, and MAC address filtering

WAP54GPE
Wireless-G Exterior Access Point with Power over Ethernet

- Same features as above
- Add high-speed Wireless-G access to the exterior areas of your wired home or small business network
- Data rates up to 54Mbps in Wireless-G (802.11g) mode, or 11Mbps in Wireless-B (802.11b)

WAP54GP
Wireless-G Access Point with Power over Ethernet

- Add high-speed Wireless-G access to your wired small business network
- Standards-based PoE (IEEE 802.3af) or External DC power
- Data rates up to 54Mbps in Wireless-G (802.11g) mode, or 11Mbps in Wireless-B (802.11b)
- Multiple SSID to VLAN mapping support keeps your traffic separated

WRV54G
Wireless-G VPN Broadband Router

- An Internet connection-sharing Router, Switch, and Access Point with built-in VPN endpoint capability and advanced security features
- Connec both Wireless-G (802.11g) PCs, and local wired PCs
- Securely connect up to 50 remote or traveling users to your office network via VPN
- "Hotspot Ready" with subscriber registration, authorization and authentication functions

WET200
Wireless-G Business Ethernet Bridge

- 5-port Wireless Bridge for securely connecting separate wired networks
- Standards-based PoE (IEEE 802.3af) or External DC power provides flexible installation
- RangeBooster technology for up to twice the range, reduced dead spots, and up to 35% more throughput than standard 802.11g
- Advanced wireless security using Wi-Fi Protected Access™ (WPA2 Enterprise) with up to 256-bit AES encryption and support for WMM provides improved QoS over wireless connections for better video and voice performance.

WPC200
Wireless-G Business Notebook Adapter with RangeBooster

WUSB200
Wireless-G Business USB Network Adapter with RangeBooster

WMP200
Wireless-G Business PCI Adapter with RangeBooster

- RangeBooster technology for up to twice the range, reduced dead spots, and up to 35% more throughput than standard 802.11
- Advanced wireless security using Wi-Fi Protected Access™ (WPA2) with up to 256-bit encryption, and new Security Monitoring feature (when used with WAP200) gives your business the visibility and protection it needs
- Also interoperates with standard 802.11g and -11b

HGA7S
High Gain Antenna for R-SMA Connectors Increase the Effective Range of Your Wireless Devices

- Increases the effective range of Linksys wireless devices
- Stronger signal increases wireless coverage into hard-to-reach areas
- Improves throughput by reducing retransmissions Easy installation -- simply replace your current antenna

HGA9N
High Gain Omni-Directional Antenna for N Type Connectors

- High-powered 9 dBi Omni-Directional Antenna increases the signal strength of the WAP54GPE and WAP200E Access Points for wireless coverage around 360 degree radius
- Omni-Directional Antenna makes coverage unconstrained to a specific area
- Lightning protector and weatherproof for safe deployment on the exterior of your building
- Easy to install - no software configuration is required

VPN Routers

RVL200
4-port SSL/IPSec VPN Router

- SSL VPN gives users flexible and secure access to your network from anywhere
- Integrated Stateful Packet Inspection (SPI) Firewall makes your network secure
- 802.1Q VLANs with support for VLAN tagging, 802.1p priority and multiple IP subnets
- Integrated SIP application layer gateway for VoIP support

RV042
10/100 4-port VPN Router

- A high-reliability Internet connection-sharing 4-port switch for small business
- Features dual Internet ports for load balancing and connection redundancy
- Securely connects up to 50 remote office or traveling users to your office network via VPN
- Advanced SPI firewall protects your PCs from most known Internet attacks

RVS4000
Gigabit Security Router

- Internet-sharing Router and 4-port Gigabit Switch, with built in Firewall
- Intrusion Prevention System (IPS) blocks worms, Trojan horses, DDoS, along with other harmful Internet software threats
- 802.1Q VLANs with support for VLAN tagging, 802.1p priority, multiple IP subnets and DHCP scopes
- IPSec VPN for secure connections to remote users or offices

RV082
10/100 8-port VPN Router

- A high-reliability Internet connection-sharing 8-port switch for small business
- Features dual Internet ports for load balancing and connection redundancy
- Securely connects up to 100 remote office or traveling users to your office network via VPN
- Advanced SPI firewall protects your PCs from most known Internet attacks

RV016
10/100 16-port VPN Router

- A high-reliability Internet connection-sharing 16 -port router for small business
- 2 WAN ports, 1 DMZ, and 13 10/100 switch ports -- up to 5 can be used as extra WAN ports for load balancing and connection redundancy
- Securely connects up to 100 remote office or traveling users to your office network via VPN
- Advanced SPI firewall protects your PCs from most known Internet attacks

QVPN50
50 User VPN Tunnel License for WRV54G RV042, RV082, RV016

- Built-in QuickVPN feature enables 5 easy-to-set-up incoming VPN connections (client software enclosed)
- VPN "tunnels" create secure links between traveling or off-site users and your home or small office network

Unmanaged Desktop Switches

SD205
5-port 10/100 Switch

- 5 Autosensing 10/100 switched ports with auto MDI/MDI-X crossover detection
- Up to 200Mbps full duplex bandwidth at each port
- Compact size fits into any environment -- includes wall-mount slots
- Address Learning and Aging, and Data Flow Control for enhanced transmission

SD208
8-port 10/100 Switch

- 8 Autosensing 10/100 switched ports with auto MDI/MDI-X crossover detection
- Up to 200Mbps full duplex bandwidth at each port
- Compact size fits into any environment -- includes wall-mount slots
- Address Learning and Aging, and Data Flow Control for enhanced transmission reliability

SD216
16-port 10/100 Switch

- 16 Autosensing 10/100 switched ports with auto MDI/MDI-X crossover detection
- Up to 200Mbps full duplex bandwidth at each port
- Compact size fits into any environment -- includes wall-mount slots
- Address Learning and Aging, and Data Flow Control for enhanced transmission reliability

Unmanaged Rackmount Switches

SR216
16-port 10/100 Switch

- 16 Autosensing 10/100 full duplex, auto MDI/MDI-X ports
- Runs at non-blocking, full wire speeds up to 200Mbps
- Address Learning and Data Flow Control for transmission reliability
- Suitable for both desktop or rackmount installations

SR224
24-port 10/100 Switch

- 24 Autosensing 10/100 full duplex, auto MDI/MDI-X ports
- Runs at non-blocking, full wire speeds up to 200Mbps
- Address Learning and Data Flow Control for transmission reliability
- Suitable for both desktop or rackmount installations

SR224G
24-port 10/100 + 1-Port Gigabit Switch + 1 Mini-GBIC

- 24 Autosensing 10/100 full duplex, auto MDI/MDI-X ports
- One Gigabit (10/100/1000BaseTX) MDI/MDI-X port, and one mini-GBIC expansion port
- Address Learning and Data Flow Control for transmission reliability
- Linksys reliability and limited lifetime warranty

Unmanaged Gigabit Switches

SD2005
5-port 10/100/1000 Gigabit Switch

- 5 Autosensing 10/100/1000, half/full duplex, switched ports
- Forwards and filters packets at non-blocking, full wire speed
- All ports have auto speed negotiation and auto MDI/MDI-X crossover detection
- Linksys reliability and limited lifetime warranty

SD2008
8-port 10/100/1000 Gigabit Switch

- 8 Autosensing10/100/1000, half/full duplex, switched ports
- Forwards and filters packets at non-blocking, full wire speed
- All ports have auto speed negotiation and auto MDI/MDI-X crossover detection
- Linksys reliability and limited lifetime warranty

SR2016
16-port 10/100/1000 Switch

- 16 Autosensing 10/100/1000 half/full duplex, switched ports
- Forwards and filters packets at non-blocking, full wire speed
- All ports have auto speed negotiation and auto MDI/MDI-X crossover detection
- Linksys reliability and limited lifetime warranty

SR2024
24-port 10/100/1000 Gigabit Switch

- 24 Autosensing 10/100/1000, half/full duplex, switched ports, and two mini-GBIC xpansion ports
- Forwards and filters packets at non-blocking, full wire speed
- All ports have auto speed negotiation and auto MDI/MDI-X crossover detection
- Linksys reliability and limited lifetime warranty

Smart Switches

SLM2005
5-port 10/100/1000 Gigabit Smart Switch with PD and AC power

- Can obtain power from a standard 802.3af PoE switch or from an external AC power outlet
- Entry-level management at a cost-effective price point
- Easy to use Web browser interface make installation quick and easy
- Basic QoS enables voice, video and data to be prioritize for optimal network performance

SLM2008
8-port 10/100/1000 Gigabit Smart Switch with PD and AC power

- Can obtain power from a standard 802.3af PoE switch or from an external AC power outlet
- Entry-level management at a cost-effective price point
- Easy to use Web browser interface make installation quick and easy
- Basic QoS enables voice, video and data to be prioritize for optimal network performance

SLM2024
24-port 10/100/1000 Gigabit Smart Switch

- Easy-to-use Web browser interface makes installation quick and effortless
- Grow your network with options like Link Aggregation, Spanning Tree and Portfast
- 802.1x port authentication and MAC address filtering brings network security down to the switch port level
- Basic QoS enables voice, video and data to be prioritize for optimal network performance

SLM2048
48-port 10/100/1000 Gigabit Smart Switch

- Easy-to-use Web browser interface makes installation quick and effortless
- Grow your network with options like Link Aggregation, Spanning Tree and Portfast
- 802.1x port authentication and MAC address filtering brings network security down to the switch port level
- Basic QoS enables voice, video and data to be prioritize for optimal network performance

SLM224G
24-port 10/100 + 2-port Gigabit Smart Switch

- Easy-to-use Web browser interface makes installation quick and effortless
- Grow your network with options like Link Aggregation, Spanning Tree and Portfast
- 802.1x port authentication and MAC address filtering brings network security down to the switch port level
- Basic QoS enables voice, video and data to be prioritize for optimal network performance

SLM224P
24-port 10/100 + 2-port Gigabit Smart Switch with PoE

- Easy-to-use Web browser interface makes installation quick and effortless
- Provides IEEE 802.3af PoE power to IP phones, surveillance cameras, or APs
- 802.1X port authentication and MAC address filtering brings network security down to the switch port level
- Basic QoS enables voice, video and data to be prioritize for optimal network performance

SLM224G4S
24-port 10/100 + 4-port Gigabit Smart Switch with Resilient Clustering

- Manage all units in a switch cluster as one entity and cluster up to 192 ports
- Grow your network with options like Resilient Clustering, Link Aggregation, Spanning Tree
- 802.1X port authentication and MAC address filtering brings network security down to the switch port level
- Advanced QoS enables the network to be optimized for your networked applications, including voice, video and data storage

SLM248G
48-port 10/100 + 2-port Gigabit Smart Switch

- Simplified, web based user management for more intelligent networking
- Gigabit and SFP interfaces provide flexible uplink options
- 802.1x port authentication and MAC address filtering brings network security down to the switch port level
- Basic QoS enables voice, video and data to be prioritize for optimal network performance

SLM248P
48-port 10/100 + 2-port Gigabit Smart Switch with PoE

- Easy-to-use Web browser interface makes installation quick and effortless
- Provides IEEE 802.3af PoE power to IP phones, surveillance cameras, or APs
- 802.1X port authentication and MAC address filtering brings network security down to the switch port level
- Basic QoS enables voice, video and data to be prioritize for optimal network performance

SLM248G4S
48-port 10/100 + 4-port Gigabit Smart Switch with Resilient Clustering

- Manage all units in a switch cluster as one entity and cluster up to 192 ports
- Grow your network with options like Resilient Clustering, Link Aggregation, and Spanning Tree
- 802.1X port authentication and MAC address filtering brings network security down to the switch port level
- Advanced QoS enables the network to be optimized for your networked applications, including voice, video and data storage

SRW208
8-port 10/100 Managed Switch with WebView

- Simplified, web based user management for more intelligent networking. Forwards and filters packets at non-blocking, full wire speed
- 802.1x port authentication and MAC address filtering brings network security down to the switch port level
- Advance QoS enables the network to be optimized for your networked applications, including voice, video and data storage
- Rate limiting, policing, shaping, and multicast support provide advanced traffic management

SRW208L
8-port 10/100 Managed Switch with WebView and 100 Base-L Uplink

- Simplified, web based user management for more intelligent networking
- 100Base-LX interfaces provide flexible uplink options
- 802.1x port authentication and MAC address filtering brings network security down to the switch port level
- Advance QoS enables the network to be optimized for your networked applications, including voice, video and data storage

SRW208G
8-port 10/100 Managed Switch with WebView and Expansion Slots

- Simplified, web based user management for more intelligent networking
- Gigabit Copper and mini-GBIC interfaces provide flexible uplink options
- 802.1x port authentication and MAC address filtering brings network security down to the switch port level
- Advance QoS enables the network to be optimized for your networked applications, including voice, video and data storage

SFE2000 LINKSYS One Ready
Managed Switch with 24-port 10/100, 4 10/100/1000 Ports, and Stacking

- Fully resilient stacking provides optimized growth with simplified management
- Maximum security and control of traffic with policing, shaping, ACLs, and QoS
- Linksys One Ready - simple, automated installation with Linksys One Services Router present
- 2 mini-GBIC slots (shared with 2 copper ports) for Fiber Gigabit Ethernet expansion

SRW224G4
24-port 10/100 + 4-port Gigabit Managed Switch with WebView

- Optimized for growing businesses with 4 expandable Gigabit ports
- Secure management via SSH/SSL and secure user control via 802.1x & MAC filtering
- IGMP snooping, L2/L3 COS, queuing & scheduling makes solution ideal for Voice/Video
- Intelligent traffic management with Rate Limiting, Policing, Shaping, and Storm control

SRW248G4
48-port 10/100 + 4-port Gigabit Managed Switch with WebView

- Optimized for growing businesses with 4 expandable Gigabit ports
- Secure management via SSH/SSL and secure user control via 802.1x & MAC filtering
- IGMP snooping, L2/L3 COS, queuing & scheduling makes solution ideal for Voice/Video
- Intelligent traffic management with Rate Limiting, Policing, Shaping, and Storm control

SRW208P
8-port 10/100 Managed Switch with WebView and PoE

- Standards-based IEEE 802.3af PoE - Up to 4 ports at 15.4W or up to 8 ports at 7.5W
- Dual Gigabit uplinks provide increased bandwidth and redundancy down to the switch port level
- 802.1x port authentication and MAC address filtering brings network security down to the switch port level
- Advance QoS enables the network to be optimized for your networked applications, including voice, video and data storage

SRW208MP
8-port 10/100 Managed Switch with WebView and Maximum PoE

- Standards-based IEEE 802.3af PoE - Up to 8 ports at 15.4W
- Dual Gigabit uplinks provide increased bandwidth and redundancy
- 802.1x port authentication and MAC address filtering brings network security down to the switch port level
- Advance QoS enables the network to be optimized for your networked applications, including voice, video and data storage

SFE2000P LINKSYS ONE Ready
Managed Switch with 24-port 10/100, 4 10/100/1000 ports, PoE and Stacking

- Fully resilient provides optimized growth with simplified management
- Maximum security and control of traffic with policing, shaping, ACLs, and QoS
- Linksys One Ready - simple, automated installation with Linksys One Services Router present
- 2 mini-GBIC slots (shared with 2 copper ports) for Fiber Gigabit Ethernet expansion

SRW224P
24-port 10/100 + 2-port Gigabit Managed Switch with PoE and WebView

- Delivers reliable power over 10/100 Ethernet ports using IEEE 802.3af standard
- Secure management via SSH/SSL and secure user control via 802.1x & MAC filtering
- IGMP snooping, L2/L3 COS, queuing & scheduling makes solution ideal for Voice/Video
- Intelligent traffic management with Rate Limiting, Policing ACLs, and Storm control

SRW224G4P
24-port 10/100 + 4-port Gigabit Managed Switch with WebView and Power over Ethernet

- Optimized to be your network core with 24 10/100 Ethernet, 2 shared Gigabit combo and 2 Gigabit ports
- Standards-based IEEE 802.3af PoE - Up To 12 Ports @ 15.4W. Total PoE power is 180 W.
- Solution ideal for Voice/Video with IGMP snooping, L2/L3 policy filters
- Secure management via SSH/SSL and secure user control via 802.1x & MAC filtering

SRW248G4P
48-port 10/100 + 4-port Gigabit Managed Switch with WebView and Power over Ethernet

- Optimized to be your network core with 48 10/100 Ethernet, 2 shared Gigabit combo and 2 Gigabit ports
- Standards-based IEEE 802.3af PoE - Up To 24 Ports @ 15.4W. Total PoE power is 375 W
- Solution ideal for Voice/Video with IGMP snooping, L2/L3 policy filters
- Secure management via SSH/SSL and secure user control via 802.1x & MAC filtering

SRW2008
8-port 10/100/1000 Gigabit Managed Switch with WebView

- Supports 8 10/100/1000 ports with 2 shared mini-GBIC slots
- Included Access Control Lists (ACL) for granular security and QoS configuration
- Features a 16 Gbps, non-blocking switch core
- Fully manageable through the WebView web interface or console port

SRW2016
16-port 10/100/1000 + 2 Shared mini-GBIC Gigabit Managed Switch with WebView

- 16 Autosensing 10/100/1000 full duplex, auto MDI/MDI-X ports
- Two mini-GBIC expansion ports for fiber expansion
- WebView remote monitoring and configuration via web browser
- 256 VLANs, 8-port trunking groups, console port, 802.1p CoS support

SRW2024
24-port 10/100/1000 + 2 Shared mini-GBIC Gigabit Managed Switch with WebView

- 24 Autosensing 10/100/1000 full duplex, auto MDI/MDI-X ports
- Two mini-GBIC expansion ports for fiber expansion
- WebView remote monitoring and configuration via web browser
- 256 VLANs, 8-port trunking groups, console port, 802.1p CoS support

SRW2048
48-port 10/100/1000 + 4 Shared mini-GBIC Gigabit Managed Switch with WebView

- Optimized to be your network core with very high performance and density
- Secure management via SSH/SSL and secure user control via 802.1x & MAC filtering
- IGMP snooping, L2/L3 COS, queuing & scheduling makes solution ideal for Voice/Video
- Intelligent traffic management with Rate Limiting, Policing, Shaping, and Storm control

SGE2000 LINKSYS One Ready
Gigabit Managed Switch with 24-port 10/100/1000 with 4 Shared SFP Slots, Stacking

- Fully resilient stacking provides optimized growth with simplified management
- Granular QoS options makes solution ideal for improved application experience
- Maximum security and control of traffic with policing, shaping, ACLs, and QoS
- Linksys One Ready - simple, automated installation with Linksys One Services Router present

Managed Gigabit Switches with PoE

SRW2008P
8-port 10/100/1000 Gigabit Managed Switch with WebView and PoE

- Supports 8 10/100/1000 ports with 2 shared mini-GBIC slots
- Offers Standards-based IEEE 802.3af PoE - supporting 4 ports at 15.4W per port or 8 ports at 7.8W
- Features a 16 Gbps, non-blocking switch core
- Fully manageable through the WebView web interface or console port

SRW2008MP
8-port 10/100/1000 Gigabit Managed Switch with WebView and Maximum PoE

- Same features as above
- Offers Standards-based IEEE 802.3af PoE - supporting 8 ports at 15.4W per port

SRW2024P
24-port 10/100/1000 + 2 Shared Gigabit Managed Switch with WebView with PoE

- 24 Gigabit Ethernet + 2 shared Gigabit Ethernet (2 combo SFP) PoE supports 12 or 24-ports
- Secure management via SSH/SSL and secure user control via 802.1x & MAC filtering
- IGMP snooping, L2/L3 COS, queuing & scheduling makes solution ideal for Voice/Video
- Intelligent traffic management with Rate Limiting, Policing, Shaping, and Storm control

SGE2000P LINKSYS One Ready
Managed Gigabit Ethernet Switch with 24-port 10/100/1000, 4 Shared SFP Slots, PoE and Stacking

- Fully resilient stacking provides optimized growth with simplified management
- Provides IEEE 802.3af PoE power to IP phones or APs
- Granular QoS options makes solution ideal for improved application experience
- Maximum security and control of traffic with policing, shaping, ACLs, and QoS
- Linksys One Ready - simple, automated installation with Linksys One Services Router present

IP Surveillance Cameras

WVC200
Wireless-G PTZ Internet Camera with Audio

- Sends high-quality live video to your network wirelessly
- Pan/Tilt/Zoom gives flexible control remotely from a Web Browser
- Capacity to view images even in low light environments
- Automatically sends email alerts with video clips upon motion detection
- Supports up to ten simultaneous remote users
- Monitor up to 16 cameras with included software

WVC2300 LINKSYS One Ready
Wireless-G Business Internet Video Camera with Audio

- Wireless Box camera with interchangeable lenses, and IO ports allow for flexible installation for multiple applications
- High quality CCD sensor with low light sensitivity and an IR Filter switcher provides optimal video image under multiple conditions
- Simultaneous dual CODEC provides optimal combination of viewing and storage of video
- Two-way audio, IP Multicast, 3GPP, and lots of other advanced features make this solution ideal for Surveillance deployments

PVC2300 LINKSYS One Ready
Business Internet Video Camera with Audio and PoE

- Box camera with PoE, interchangeable lenses, and IO ports allow for flexible installation for multiple applications
- High quality progressive CCD sensor with low light sensitivity and an IR Filter switcher provides optimal video image under multiple conditions
- Simultaneous dual CODEC provides optimal combination of viewing and storage of video
- Two-way audio, IP Multicast, 3GPP, and lots of other advanced features make this solution ideal for Surveillance deployments

Use of a camera for surveillance or monitoring may be restricted or prohibited by national or local laws, rules or regulations.

Extension Modules/Transceivers

For extending networks throughout buildings, over campuses or in metro areas.

MGBLH1
Gigabit Ethernet LH Mini-GBIC SFP Transceiver

- For distances up to 500 meters or 40 kilometers

MGBSX1
Gigabit Ethernet SX Mini-GBIC SFP Transceiver

- For distances up to 220 or 550 meters

MGBT1
Gigabit Ethernet 1000 Base-T Mini-GBIC SFP Transceiver

- For distances up to 100 meters (328 feet)

MFEFX1
100 Base-FX Mini-GBIC SFP Transceiver

- 1310nm wavelength for multi-mode fiber
- Supports 100Mbps speed up to 2km
- SFP MSA compliant with duplex LC connector

MFELX1
100 Base-LX Mini-GBIC SFP Transceiver

- 1310nm wavelength for single-mode fiber
- Supports 100Mbps speed up to 10km
- SFP MSA compliant with duplex LC connector

Network Storage Systems

NSS4000 LINKSYS One Ready
Network Storage System

- Supports up to 15 concurrent CIFS users
- 4 Drive Bay Network Storage System Chassis Supporting RAID 0/1/1+Spare/5/5+Spare/10 and File Encryption Support
- Microsoft Distributed File System Support & Network Virtualization of RAID Sets across Linksys Network Attached Storage Systems** (requires at least 1 NSS6000/6100)
- Advanced Data Protection & Security Features: On Disk File Encryption (AES), VLANs, SMART Drive Support, File Journaling, Global Spares, & Snapshot)
- Dual Gigabit LAN Interfaces Supporting: VLANs, QoS
- Linksys One Ready - simple, automated installation with Linksys One Services Router present

NSS6000 LINKSYS One Ready
Network Storage System

- Supports up to 75 concurrent CIFS users
- 4 Drive Bay Network Storage System Chassis Supporting RAID 0/1/1+Spare/5/5+Spare/10 and File Encryption Support
- Microsoft Distributed File System Support & Network Virtualization of RAID Sets across Linksys Network Attached Storage Systems** (requires at least 1 NSS6000/6100)
- Advanced Data Protection & Security Features: On Disk File Encryption (AES), VLANs, SMART Drive Support, File Journaling, Global Spares, & Snapshot)
- Dual Gigabit LAN Interfaces Supporting: VLANs, QoS
- Linksys One Ready - simple, automated installation with Linksys One Services Router present

NSS4100 LINKSYS One Ready
Network Storage System with Drives

- Same features as above
- Includes (4) four 250GB SATA Hard Drives

NSS6100 LINKSYS One Ready
Network Storage System with Drives

- Same features as above
- Includes (4) four 250GB SATA Hard Drives

RPS1000 LINKSYS One Ready
Redundant Power Supply
(for Linksys One Ready Products)

- SGE2000P, SGE2000, SFE2000, SFE2000P Stackable Switches
- NSS4000, NSS4100, NSS6000, NSS6100 Network Storage Systems

Linksys Voice System - LVS

SPA2102
Single Port Router with 2 Phone Ports

- Ready voice adapter solution for VoIP
- Supports international standards for voice and data networking
- Reliable voice and fax operation
- Large scale deployment and management

SPA3102
Voice Gateway with Router

- Intelligent call routing gateway solution for VoIP
- Route PSTN calls to a VoIP service provider
- Independent configurable dial plans
- Large-Scale deployment and management

SPA400
Internet Telephony Gateway with 4 FXO Ports

- Functions as an analog line gateway for a Linksys Voice System VoIP Network
- Integrated voicemail application server with up to 32 voicemail accounts
- Perfectly suited to connect up to 4 analog lines
- Enables Linksys Voice System users to leave and playback voicemail messages

SPA9000
IP Telephony System

- IP PBX system with high-end features comparable to traditional large business voice services
- Initial support of 4 SIP compatible IP Phones per SPA9000 is upgradeable to 16 with an easy to install license key
- Powerful self-configuration capabilities enabled with Linksys 900 Series IP Phones
- Works with most Internet Telephone Service Providers

SPA9000UPG
SPA9000 License Upgrade to Sixteen (16) IP Phones

- Enables SPA9000 to upgrade from 4 to 16 IP Phones supported

SPA901
1-Line IP Telephone

- Small, affordable, single line business class IP Phone
- Connect directly to an Internet telephone service provider or connect to an IP PBX
- Wall mount or table top phone
- Easy installation with secure remote provisioning. Menu based and web based configuration

MB100
Wall Mount Bracket for Linksys 900 Series Phones

- Mounting Bracket for Linksys IP Phones
- Enables a phone to be mounted on a wall
- Convenient tray to hold optional Wi-Fi bridge or PoE dongle
- Universal design fits all Linksys 900 Series IP Phones

POES5
5 Volt Power Over Ethernet Split

- Simplifies your Linksys IP Phone installation by combining power and VoIP onto one cable
- Can also be used with many Linksys VoIP Products
- Works with a standard category 5 Ethernet cable
- Easy to install, no tools, no software

WBP54G
Wireless-G Bridge for Phone Adapters

- Put your IP Phone wherever you want, with no cabling hassle
- Connects your IP Phone to your Wireless-G network
- Shares power with the IP Phone — only one AC adapter necessary
- Wireless connection protected by WEP, WPA or WPA2 encryption

Linksys Voice System - LVS

SPA921
1-Line IP Telephone with 1 Ethernet Port and Hi-Res Display

- Full featured one-line business IP Phone
- Connect directly to an Internet Telephone Service Provider or connect to an IP PBX
- Speakerphone, Caller ID, Call Hold, Transfer, Conferencing, and more
- Easy installation with secure remote provisioning. Menu based and web based configuration

SPA922
1-Line IP Telephone with 2-Port Ethernet Switch, PoE and Hi-Res Backlit Display

- Full featured one-line business IP Phone supporting Power over Ethernet 802.3af
- Connect directly to an Internet Telephone Service Provider or connect to an IP PBX
- Dual switched Ethernet ports, Speakerphone, Caller ID, Call Hold, Conferencing, and more
- Easy installation and secure remote provisioning. Menu based and web based configuration.

SPA941
4-Line IP Telephone with 1 Ethernet Port and Hi-Res Display

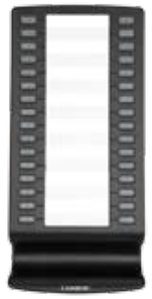
- Affordable and full featured four-line business IP Phone
- Connect directly to an Internet Telephone Service Provider or connect to an IP PBX
- Speakerphone, Caller ID, Call Hold, Transfer, Conferencing, and more
- Easy installation and secure remote provisioning. Menu based and web based configuration

SPA942
4-Line IP Telephone with 2 Port Ethernet Switch, PoE and Hi-Res Backlit Display

- Full featured four-line business IP Phone supporting Power over Ethernet 802.3af
- Connect directly to an Internet Telephone Service Provider or connect to an IP PBX
- Dual switched Ethernet ports, Speakerphone, Caller ID, Call Hold, Conferencing, and more
- Easy installation and secure remote provisioning. Menu based and web based configuration

SPA962
6-Line IP Telephone with 2 Port Ethernet Switch, PoE and Hi-Res Backlit Color Display

- Full featured six-line business class IP Phone supporting Power over Ethernet 802.3af
- Connect directly to an Internet Telephone Service Provider or connect to an IP PBX
- Dual switched Ethernet ports, Speakerphone, Caller ID, Call Hold, Conferencing, and more
- Appealing Four Inch, True Color Liquid Crystal Display (LCD)



SPA932
32 Button Attendant Console for the SPA962 IP Phone Enrich IP Phone Functionality with a Push of a Button

- Easy to install and designed exclusively for the SPA962 IP Phone
- 32 programmable buttons simplify dialing and call transfers
- Multi-colored LEDs monitor the status of each configured voice line via busy lamp field (BLF)
- Linking two Attendant Consoles supported for a total of 64 buttons

WIP330
Wireless-G IP Phone with Browser

- Make low-cost high quality VoIP calls from wireless hotspots
- Easy set-up on wireless network
- Superior range and performance with 802.11g
- Integrated Web browser

SVR200
Wireless-G ADSL/Ethernet Services Router with 4-port PoE Switch and 1 FXS + 1 FXO

- Integrated ADSL2/ADSL2+ 10/100 Ethernet WAN Options For Flexible Deployment
- SPI Firewall, Wireless Security, and Hardware Accelerated VPN support makes your network secure
- Multiple BSSIDs and VLANs provide separate secure networks
- Provides auto-discovery, Remote Management and auto-configuration of Linksys One devices

SVR3000
Linksys One Services Router with 16-port 10/100 LAN

- Enables Linksys One voice product services including QoS, VLAN, SIP ALG and IEEE PoE
- Provides auto-discovery and auto-configuration of Linksys One devices, including IP phones
- 2 10/100 full duplex WAN ports, two 10/100/1000 expansion ports
- 16 10/100 full duplex, auto-sensing MDI/MDI-X LAN ports

SVR3500
2-port T1/E1 Services Router With 24-port PoE

- High Speed WAN Interfaces Including: Dual T1/E1 Ports and 10/100 Ethernet
- Fully Powered (24) Ports of 10/100 PoE and Dual 10/100/1000 Uplink Ports
- Advanced Security Features: Hardware Accelerated VPN, SPI Firewall, and 802.1q VLANs
- Advanced QoS Support For Real-Time Applications: 802.1p, DiffServ, & Traffic Shaping

APP1000
Appliance Server Application

- Multiple-purpose server for running Linksys One communication, productivity and security applications
- Powerful 500MHz processor and 256MB RAM provide robust application support
- Intuitive Web Interface simplifies application installation and configuration and enables remote management
- Power over Ethernet allows for flexible installation

PHM1200
Linksys One Manager Phone

- Simple, automated installation with Linksys One Services Routers
- High-resolution, color, backlit display, full-duplex speakerphone
- 2-port 10/100 switch with ability to accept IEEE802.3af PoE
- Integrated call processing features with security, management, QoS

PHB1100
Wired IP Phone Business Set

- Simple, automated installation with Linksys One Services Routers
- Monochrome, graphical blue backlit display, 24 feature buttons, full-duplex speakerphone
- 2-port 10/100 switch with ability to accept IEEE802.3af PoE powered by upstream switch (SVR3000)
- Integrated call processing features with voice mail, automated attendant, and phone applications

VGA2000
Linksys One Analog Voice Gateway, 1FXS, 1FXO

- Simple, automated installation with Linksys One Services Routers
- One analog phone or FAX connection, one analog connection to the public telephone network
- Accepts IEEE802.3af PoE from connected Linksys One switch port
- Integrated call processing features with security, management, QoS

VGA2100
Analog Voice Gateway, 3 FXO

VGA2200
Analog Voice Gateway, 2 FXS

- Simple, automated installation with Linksys One Services Routers
- Provides two simultaneous analog connections to FAX machines or analog phone stations
- Accepts IEEE 802.3af PoE from connected Linksys One switch port
- Integrated call processing features with security, management, QoS

		SD205	SD208	SD216	SR216	SR224	SR224G	SLM224P	SLM224G	SLM248P	SLM248G	SLM224G4S	SLM248G4S
Ports	10/100/1000						1	2	2	2	2	4	4
	10/100	5	8	16	16	24	24	24	24	48	48	24	48
	Mini GB Expansion Slot						2						
	Combo SFP							2	2	2	2	2	2
PoE	PoE							•		•			
	Ports @ 7.5 Watt							12		24			
	Ports @ 15.4 Watt							6		11			
Spanning Tree Protocols	Spanning Tree							•	•	•	•	•	•
	Rapid Spanning Tree												
	Multiple Spanning Tree												
Link Aggregation	Link Aggregation							8	8	8	8	8	8
	Port Trunking Groups							4	4	4	4	8	8
	LACP							•	•	•	•	•	•
Quality of Service, VLAN	CoS 802.1P							•	•	•	•	•	•
	VLAN CoS 802.1Q							128 (4096IDs)	128 (4096IDs)	128 (4096IDs)	128 (4096IDs)	128 (4096IDs)	128 (4096IDs)
	GVRP												
	IGMP Snooping							•	•	•	•	•	•
	Strict Priority							•	•	•	•	•	•
	Weighted Round Robin							•	•	•	•	•	•
	Rate Limiting											•	•
	Multicast/Broadcast Storm Control							+/+	+/+	+/+	+/+	+/+	+/+
	DiffServ							•	•	•	•	•	•
	Number of Priority Queues							4	4	4	4	4	4
Authentication	RADIUS Support							•	•	•	•	•	•
	802.1x							•	•	•	•	•	•
	TACACS+												
Management	Unmanaged	•	•	•	•	•	•						
	Managed												
	Smart							•	•	•	•	•	•
	SSH/SSL												
	Telnet												
	SNMP											•	•
	Port Mirroring							•	•	•	•	•	•
	Cable Analysis											•	•
	RMON											•	•
	SNTP											•	•
MAC Addresses and Frame size	MAC Addresses	1k	1k	4k	4k	4k	4k	8k	8k	8k	8k	8k	8k
	Packet Memory	128KB	128KB	256KB	256KB	1.5MB	256KB	32MB	32MB	32MB	32MB	8MB	8MB
	Jumbo Frames							mini -1632	mini - 1632	mini - 1632	mini - 1632	mini - 1632	mini - 1632
Mounting Option, Power Supply and Fan	19" Rack Mountable				•	•	•	•	•	•	•	•	•
	Internal Power Supply				•	•	•	•	•	•	•	•	•
	Desktop	•	•	•									
	Fan							•	•	•	•	•	•
	Fanless	•	•	•	•	•	•						

		SRW208	SRW208G	SRW208L	SRW208P	SRW208MP	SRW224P	SRW224G4	SRW224G4P	SRW248G4	SRW248G4P	SFE2000	SFE2000P
Ports	10/100/1000	-	2	1	2	2	**2**	4	8	4	4	4	
	10/100	8	8	8	8	8	24	24		48	48	24	24
	Mini GB Expansion Slot							2			2	2	4
	Combo SFP		1		2	2	2		2		2		2
PoE	PoE				•	•	•		•		•		•
	Ports @ 7.5 Watt				8	8	24		8				24
	Ports @ 15.4 Watt				4	8	12		4				12
Spanning Tree Protocols	Spanning Tree	•	•	•	•	•	•	•	•	•	•	•	•
	Rapid Spanning Tree	•	•	•	•	•	•	•	•	•	•	•	•
	Multiple Spanning Tree	•	•	•	•	•		•	•	•	•	•	•
Link Aggregation	Link Aggregation	+ (4)	+ (4)	+ (4)	+ (4)	+ (4)	+ (8)	+ (8)	+ (4)	•	+ (8)	+ (8)	+ (8)
	Port Trunking Groups	4	4	4	4	4	4	8	4	8		8	8
	LACP	•	•	•	•	•	•	•	•	•	•	•	•
Quality of Service, VLAN	CoS 802.1p	•	•	•	•	•	•	•	•	•	•	•	•
	CoS 802.1q	•	•	•	•	•	•	•	•	•	•	•	•
	VLAN	+ (4096IDs)	+ (4096IDs)	+ (4096IDs)	+ (4096IDs)	+ (4096IDs)	+ (128)	+ (256 gr.)	+ (4096IDs)	+ (256 gr.)	+ (256 gr.)	+ (4096IDs)	+ (4096IDs)
	GVRP	•	•	•	•	•		•	•	•	•	•	•
	IGMP Snooping	•	•	•	•	•	•	•	•	•	•	•	•
	Strict Priority	•	•	•	•	•	•	•	•	•	•	•	•
	Weighted Round Robin	•	•	•	•	•	•	•	•	•	•	•	•
	Rate Limiting	•	•	•	•	•	•	•	•	•	•	•	•
	Multicast/Broadcast Storm Control	+/+	+/+	+/+	+/+	+/+	+/+	+/+	+/+	+/+	+/+	+/+	+/+
	DiffServ						•	•		•	•	•	•
	Number of Priority Queues	4	4	4	4	4	4	4	4	4	4	4	4
Authentication	RADIUS Support		•		•	•	•	•	•	•	•	•	•
	802.1x		•		•	•	•	•	•	•	•	•	•
	TACACS+		•		•	•	•	•	•	•	•		•
Management	Managed	•	•	•	•	•	•	•	•	•	•	•	•
	WebView	•	•	•	•	•	•	•	•	•	•		
	SSH/SSL	+/+	+/+	+/+	+/+	+/+	-/+	+/+	+/+	+/+	+/+	+/+	+/+
	Telnet	•	•	•	•	•		•	•	•	•	•	•
	SNMP	•	•	•	•	•	•	•	•	•	•	•	•
	Port Mirroring	•	•	•	•	•	•	•	•	•	•	•	•
	Cable Analysis	•	•	•	•	•	•	•	•	•	•	•	•
	RMON	•	•	•	•	•	•	•	•	•	•	•	•
	SNTP	•	•	•	•	•	•	•	•	•	•	•	•
MAC Addresses and Frame size	MAC Addresses	8k	8k	8k	8k	8k	8k	4k	8k	4k	8k	8k	8k
	Packet Memory	2MB	2MB	2MB	2MB	2MB	4MB	6MB	2MB	6MB	6MB		
	Jumbo Frames						9k				10k	+ 1.6k	
Mounting Option, Power Supply and Fan	19" Rack Mountable	•	•	•	•	•	•	•		•	•	•	•
	Internal Power Supply				•	•	•	•		•	•	•	•
	External Power Supply								•		•		•
	Desktop	•	•	•									
	Fan						•	•		•	•	•	•
	Fanless	•	•	•	•	•			•				

		SD2005	SD2008	SR2016	SR2024	SR2024C	SLM2005
Ports	10/100/1000	5	8	16	24	24	5
	10/100						
	Mini GB Expansion Slot				2	2	
	Combo SFP						
PoE	PoE						
	Ports @ 7.5 Watt						
	Ports @ 15.4 Watt						
Spanning Tree Protocols	Spanning Tree						•
	Rapid Spanning Tree						
	Multiple Spanning Tree						
Link Aggregation	Link Aggregation						+ (5)
	Port Trunking Groups						3
	LACP						•
Quality of Service, VLAN	CoS 802.1p						•
	CoS 802.1q						•
	VLAN						16 (4096IDs)
	GVRP						
	IGMP Snooping						•
	Strict Priority						•
	Weighted Round Robin						•
	Rate Limiting						
	Multicast/Broadcast Storm Control						+/+
	Number of Priority Queues						4
Authentication	RADIUS Support						•
	802.1x						•
	TACACS+						
Management	Unmanaged	•	•	•	•	•	
	Smart						•
	WebView					•	
	SSH/SSL						
	Telnet						
	SNMP						
	Port Mirroring						•
	Cable Analysis						
	RMON						
	SNTP						
MAC Addresses and Frame size	MAC Addresses	8k	8k	8k	32k	32k	8k
	Packet Memory	128KB	128KB	1MB	1MB	1MB	128MB
	Jumbo Frames				9k	9k	9k
Mounting Option, Power Supply and Fan	19" Rack Mountable			•	•	•	
	Internal Power Supply			•	•	•	
	Desktop	•	•	•			•
	Fan						
	Fanless	•	•	•		•	•

SLM2008	SLM2024	SLM2048	SRW2008	SRW2008P	SRW2008MP	SRW2016	SRW2024	SRW224P
8	24	48	8	8	8	16	24	2
								24
						2	2	
	2	2	2	2	2			2
				•	•			•
				8	8			24
				4	8			12
•	•	•	•	•	•	•	•	•
			•	•	•	•	•	•
			•	•	•	•	•	
+ (8)	+ (8)	+ (8)	+ (4)	+ (4)	+ (4)	+ (8)	+ (8)	+ (8)
3	4	4	4	4	4	8	8	4
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
16 (4096IDs)	128 (4096IDs)	128 (4096IDs)	+ (4096IDs)	+ (4096IDs)	+ (4096IDs)	+ (256 gr.)	+ (256 gr.)	+ (128)
			•		•	•	•	
•	•	•	•	•	•	•	•	•
•	•	•	•		•	•	•	•
•	•	•	•		•	•	•	•
			•		•	•	•	•
+/+	+/+	+/+	+/+	+/+	+/+	+/+	+/+	+/+
4	4	4	4	4	4	4	4	4
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
			•	•	•	•	•	•
•	•	•						
			•	•	•	•	•	•
			+/+	+/+	+/+			-/+
			•	•	•	•	•	
			•	•	•		•	•
•	•	•	•	•	•	•	•	•
			•	•	•	•	•	•
			•	•	•	•	•	•
			•	•	•	•	•	•
8k	8k	8k	8k	8k	8k	8k	8k	8k
128MB	32MB	32MB	2MB	2MB	2MB	2MB	2MB	4MB
9k	9k	9k				10k	10k	9k
	•	•	•	•	•	•	•	•
	•					•	•	•
•			•	•	•			
	•	•				•	•	•
•			•	•	•			

		SRW2048	SGE2000	SGE2000P
Ports	10/100/1000	48	24	24
	10/100	4		
	Mini GB Expansion Slot			
	Combo SFP		4	4
PoE	PoE			•
	Ports @ 7.5 Watt			24
	Ports @ 15.4 Watt			12
Spanning Tree Protocols	Spanning Tree	•	•	•
	Rapid Spanning Tree	•	•	•
	Multiple Spanning Tree	•	•	•
Link Aggregation	Link Aggregation	+ (8)	+ (8)	+ (8)
	Port Trunking Groups	8	8	
	LACP	•	•	•
Quality of Service, VLAN	CoS 802.1p	•	•	•
	CoS 802.1q	•	•	•
	VLAN	+ (256 gr.)	+ (4096IDs)	+ (4096IDs)
	GVRP	•	•	•
	IGMP Snooping	•	•	•
	Strict Priority	•	•	•
	Weighted Round Robin	•	•	•
	Rate Limiting	•	•	•
	Multicast/Broadcast Storm Control	+/+	+/+	+/+
	Number of Priority Queues	4	4	4
Authentication	RADIUS Support	•	•	•
	802.1x	•	•	•
	TACACS+	•	•	•
Management	Unmanaged			
	Managed	•	•	•
	WebView	•		
	SSH/SSL		+/+	+/+
	Telnet	•	•	•
	SNMP	•	•	•
	Port Mirroring	•	•	•
	Cable Analysis	•	•	•
	RMON		•	•
	SNTP	•	•	•
MAC Addresses and Frame size	MAC Addresses	8k	8k	8k
	Packet Memory	6MB		
	Jumbo Frames	10k		
Mounting Option, Power Supply and Fan	19" Rack Mountable	•	•	•
	Internal Power Supply	•	•	•
	Desktop			
	Fan	•	•	•
	Fanless			

SLM2008
8-port 10/100/1000 Gigabit Smart Switch with PD and AC power

SLM2024
24-port 10/100/1000 Gigabit Smart Switch

SLM2048
48-port 10/100/1000 Gigabit Smart Switch

SRW2008
8-port 10/100/1000 Gigabit Switch with WebView

SRW2024
24-port 10/100/1000 + 2 Shared mini-GBIC Gigabit Switch with WebView

SRW2048
48-port 10/100/1000 + 4 Shared mini-GBIC Gigabit Switch with WebView

		SLM2005	SLM2008	SLM224G	SLM224P	SLM248G	SLM248P	SLM2024	SLM2048	SLM224G4S	SLM224G4PS	SLM248G4S	SLM248G4PS
Ports	10/100/1000	5	8	2	2	2	2	24	48	4	4	4	4
	10/100			24	24	48	48			24	24	48	48
	Combo SFP			2	2	2	2	2	2	2	2	2	2
PoE	PoE				•		•				•		•
	Ports @ 7.5 Watt				12		24				12		24
	Ports @ 15.4 Watt				6		11				6		11
Spanning Tree Protocols	Spanning Tree	•	•	•	•	•	•	•	•	•	•	•	•
	Rapid Spanning Tree												
	Multiple Spanning Tree												
Link Aggregation	Link Aggregation	5	8	8	8	8	8	8	8	8	8	8	8
	Port Trunking Groups	2	2	4	4	4	4	4	4	8	8	8	8
	LACP	•	•	•	•	•	•	•	•	•	•	•	•
Quality of Service, VLAN	CoS 802.1p	•	•	•	•	•	•	•	•	•	•	•	•
	CoS 802.1q	16 (4096IDs)	16 (4096IDs)	128 (4096IDs)	128 (4096IDs)	128 (4096IDs)	128 (4096IDs)	128 (4096IDs)	128 (4096IDs)	128 (4096IDs)	128 (4096IDs)	128 (4096IDs)	128 (4096IDs)
	VLAN	•	•	•	•	•	•	•	•	•	•	•	•
	GVRP												
	IGMP Snooping	•	•	•	•	•	•	•	•	•	•	•	•
	Strict Priority	•	•	•	•	•	•	•	•	•	•	•	•
	Weighted Round Robin	•	•	•	•	•	•	•	•	•	•	•	•
	Rate Limiting									•	•	•	•
	Multicast/Broadcast Storm control	+/+	+/+	+/+	+/+	+/+	+/+	+/+	+/+	+/+	+/+	+/+	+/+
	DiffServ	•	•	•	•	•	•	•	•	•	•	•	•
	Number of Priority Queues	4	4	4	4	4	4	4	4	4	4	4	4
Authentication	RADIUS Support	•	•	•	•	•	•	•	•	•	•	•	•
	802.1x	•	•	•	•	•	•	•	•	•	•	•	•
	TACACS+												
Management	Managed												
	Smart	•	•	•	•	•	•	•	•	•	•	•	•
	SSH/SSL												
	Telnet												
	SNMP									•	•	•	•
	Port Mirroring	•	•	•	•	•	•	•	•	•	•	•	•
	Cable Analysis									•	•	•	•
	RMON									•	•	•	•
	SNTP									•	•	•	•
MAC Addresses and Frame size	MAC Addresses	8k	8k	8k	8k	8k	8k	8k	8k	8k	8k	8k	8k
	Packet Memory	136KB	176KB	384KB	384KB	768KB	768KB	512KB	1536KB	384KB	384KB	768KB	768KB
	Jumbo Frames	9k	9k	mini - 1632	mini - 1632	mini - 1632	mini - 1632	9k	9k	mini- 1632	mini - 1632	mini - 1632	mini - 1632
Mounting Option, Power Supply and Fan	19" Rack Mountable			•	•	•	•	•	•	•	•	•	•
	Internal Power Supply			•	•	•	•	•	•	•	•	•	•
	External Power Supply	•	•										
	Fan			•	•	•	•	•	•	•	•	•	•
	Fanless	•	•										

		SRW208	SRW208G	SRW208L	SRW208P	SRW208MP
Ports	10/100/1000		2	1	24	48
	10/100	8	8	8	8	8
	Mini GB Expansion Slot					
	Combo SFP		1		2	2
PoE	PoE				•	•
	Ports @ 7.5 Watt				8	8
	Ports @ 15.4 Watt				4	8
Spanning Tree Protocols	Spanning Tree	•	•	•	•	•
	Rapid Spanning Tree	•	•	•	•	•
	Multiple Spanning Tree	•	•	•	•	•
Link Aggregation	Link Aggregation	+ (4)	+ (4)	+ (4)	+ (4)	+ (4)
	Port Trunking Groups	4	4	4	4	4
	LACP	•	•	•	•	•
Quality of Service, VLAN	CoS 802.1p	•	•	•	•	•
	CoS 802.1q	•	•	•	•	•
	VLAN	+ (4096IDs)	+ (4096IDs)	+ (4096IDs)	+ (4096IDs)	+ (4096IDs)
	GVRP	•	•	•	•	•
	IGMP Snooping	•	•	•	•	•
	Strict Priority	•	•	•	•	•
	Weighted Round Robin	•	•	•	•	•
	Rate Limiting	•	•	•	•	•
	Multicast/Broadcast Storm control	+/+	+/+	+/+	-/+	+/+
	DiffServ					
	Number of Priority Queues	4	4	4	4	4
Authentication	RADIUS Support	•	•	•	•	•
	802.1x	•	•	•	•	•
	TACACS+	•	•	•	•	•
Management	Managed	•	•	•	•	•
	WebView	•	•	•	•	•
	SSH/SSL	+/+	+/+	+/+	+/+	+/+
	Telnet	•	•	•	•	•
	SNMP	•	•	•	•	•
	Port Mirroring	•	•	•	•	•
	Cable Analysis	•	•	•	•	•
	RMON	•	•	•	•	
	SNTP	•	•	•	•	•
MAC Addresses and Frame size	MAC Addresses	8k	8k	8k	8k	8k
	Packet Memory	2MB	2MB	2MB	2MB	2MB
	Jumbo Frames					
Mounting Option, Power Supply and Fan	19″ Rack Mountable	•	•	•	•	•
	Internal Power Supply				•	•
	External Power Supply	•	•	•		
	Fan					
	Fanless	•	•	•	•	•

SRW2008	SRW2008P	SRW2008MP	SRW2016	SRW224P	SRW2024	SRW2024P	SRW224G4	SRW224G4P
8	8	8	16	2	24	24	4	4
				24			24	24
			2		2	2	2	2
2	2	2		2				3
	•	•		•		•		•
	8	8		24		24		24
	4	8		12		12		12
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•		•		•	•
+ (4)	+ (4)	+ (4)	+ (8)	+ (8)	+ (8)	+ (8)	+ (8)	+ (8)
4	4	4	8	4	8	8	8	8
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
+ (4096 IDs)	+ (4096IDs)	+ (4096IDs)	+ (256 gr.)	+ (4096IDs)	+ (256 gr.)	+ (256 gr.)	+ (256 gr.)	+ (256 gr.)
•	•	•	•		•		•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
+/+	+/+	+/+	+/+	+/+	-/+	+/+	+/+	+/+
			•	•	•	•	•	•
4	4	4	4	4	4	4	4	4
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
+/+	+/+	+/+	+/+	+/+	+/+	+/+	+/+	+/+
•	•	•	•		•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
8k	8k	8k	8k	8k	8k	8k	8k	8k
2MB	2MB	2MB	2MB	4MB	2MB	6MB	3MB	3MB
			+ (10k)	(9k)	+ (10k)	+ (10k)		
•			•	•	•	•	•	•
			•	•	•	•	•	•
•	•	•						
			•	•	•	•	•	•
•	•	•						

		SRW2048	SRW248G4	SRW248G4P
Ports	10/100/1000	48	4	4
	10/100		48	48
	Mini GB Expansion Slot	4		2
	Combo SFP			2
PoE	PoE			•
	Ports @ 7.5 Watt			48
	Ports @ 15.4 Watt			24
Spanning Tree Protocols	Spanning Tree	•	•	•
	Rapid Spanning Tree	•	•	•
	Multiple Spanning Tree	•	•	•
Link Aggregation	Link Aggregation	+ (8)		+ (8)
	Port Trunking Groups	8	8	
	LACP	•	•	•
Quality of Service, VLAN	CoS 802.1p	•	•	•
	CoS 802.1q	•	•	•
	VLAN	+ (256 gr.)	+ (256 gr.)	+ (256 gr.)
	GVRP	•	•	•
	IGMP Snooping	•	•	•
	Strict Priority	•	•	•
	Weighted Round Robin	•	•	•
	Rate Limiting	•	•	•
	Multicast/Broadcast Storm control	+/+	+/+	+/+
	DiffServ	•	•	•
	Number of Priority Queues	4	4	4
Authentication	RADIUS Support	•	•	•
	802.1x	•	•	•
	TACACS+	•	•	•
	Managed	•	•	•
	WebView	•	•	•
	SSH/SSL	+/+		+/+
	Telnet	•	•	•
	SNMP	•	•	•
	Port Mirroring	•	•	•
	Cable Analysis	•	•	•
	RMON	•	•	•
	SNTP	•	•	•
MAC Addresses and Frame size	MAC Addresses	(8k)	4k	8k
	Packet Memory	2MB	6MB	6MB
	Jumbo Frames	10k		10k
Mounting Option, Power Supply and Fan	19" Rack Mountable	•	•	•
	Internal Power Supply	•	•	•
	External Power Supply			
	Fan	•	•	•
	Fanless			

SGE2000	SGE2000P	SFE2000	SFE2000P
24	24	4	
		24	24
		2	4
4	4		2
	•		•
	24		24
	12		12
•	•	•	•
•	•	•	•
•	•	•	•
+ (8)	+ (8)	+ (8)	+ (8)
8		8	8
•	•	•	•
•	•	•	•
•	•	•	•
+ (4096IDs)	+ (4096IDs)	+ (4096IDs)	+ (4096IDs)
•	•	•	•
•	•	•	•
•	•	•	•
•	•	•	•
•	•	•	•
+/+	+/+	+/+	+/+
	•		•
4	4	4	4
•	•	•	•
•	•	•	•
•	•		•
•	•	•	•
+/+	+/+	+/+	+/+
•	•	•	•
•	•	•	•
•	•	•	•
•	•	•	•
•	•	•	•
•	•	•	•
8k	8k	8k	8k
		1.6k	
•	•	•	•
•	•	•	•
			•
•	•	•	•

SGE2000 LINKSYS one Ready
Gigabit Ethernet Switch with 24-port 10/100/1000 with 4 Shared SFP Slots, and Stacking

SFE2000 LINKSYS one Ready
Ethernet Switch with 24-port 10/100, 4 10/100/1000 Ports, and Stacking

SRW2008
8-port 10/100/1000 Gigabit Switch with WebView

SRW2024
24-port 10/100/1000 + 2 Shared mini-GBIC Gigabit Switch with WebView

SRW2048
48-port 10/100/1000 + 4 Shared mini-GBIC Gigabit Switch with WebView

		SD2005	SD2008	SD205	SR208	SD216	SR2016	SR2024	SR2024C	SR216	SR224	SR224G
Ports	10/100/1000	5	8				16	24	24			1
	10/100			5	8	16				16	24	24
	Mini GB Expansion Slot							2	2			2
MAC Addresses and Frame size	MAC Addresses	8k	8k	1k	1k	4k	8k	32k	32k	4k	4k	4k
	Packet Memory	128KB	128KB	128KB	128KB	256KB	1MB	1MB	1MB	256KB	1.5MB	256KB
	Jumbo Frames							+ (9k)	+ (9k)			
Mounting Option, Power Supply and Fan	19" Rack Mountable							•	•	•	•	•
	Internal Power Supply							•	•	•	•	•
	External Power Supply	•	•	•	•	•	•					
	Fanless	•	•	•	•	•	•	•	•	•	•	•

SD205
5-port 10/100 Switch

SD208
8-port 10/100 Switch

SR216
16-port 10/100 Switch

SR224
24-port 10/100 Switch

		SLM224P	SLM248P	SRW208P	SRW208MP
Ports	10/100/1000	2	2	2	2
	10/100	24	48	8	8
	Mini GB Expansion Slot	2	2		
	Combo SFP	•	•	2	2
PoE	PoE	•	•	•	•
	Ports @ 7.5 Watt	12	24	8	8
	Ports @ 15.4 Watt	6	11	4	8
Spanning Tree Protocols	Spanning Tree	•	•	•	•
	Rapid Spanning Tree			•	•
	Multiple Spanning Tree			•	•
Link Aggregation	Link Aggregation	8	8	+ (4)	+ (4)
	Port Trunking Groups	4	4	4	4
	LACP	•	•	•	•
Quality of Service, VLAN	CoS 802.1p	•	•	•	•
	CoS 802.1q	•	•	•	•
	VLAN	128 (4096IDs)	128 (4096IDs)	(4096IDs)	(4096IDs)
	GVRP	•	•	•	•
	IGMP Snooping	•	•	•	•
	Strict Priority	•	•	•	•
	Weighted Round Robin	•	•	•	•
	Rate Limiting			•	•
	Multicast/Broadcast Storm Control	+/+	+/+	+/+	+/+
	DiffServ	•	•		
	Number of Priority Queues	4	4	4	4
Authentication	RADIUS Support	•	•	•	•
	802.1x	•	•	•	•
	TACACS			•	•
Management	Managed			•	•
	WebView			•	•
	Smart	•	•		
	SSH/SSL			+/+	+/+
	Telnet			•	•
	SNMP			•	•
	Port Mirroring	•	•	•	•
	Cable Analysis			•	•
	RMON			•	•
	SNTP			•	•
MAC Addresses and Frame size	MAC Addresses	8k	8k	8k	8k
	Packet Memory	32MB	32MB	2MB	2MB
	Jumbo Frames	mini - 1632	mini - 1632		
Mounting Option, Power Supply and Fan	19" Rack Mountable	•	•	•	•
	Internal Power Supply	•	•	•	•
	External Power Supply			•	•
	Fan	•	•		
	Fanless			•	•

LINKSYS One Ready

SRW2008P	SRW2008MP	SRW224P	SRW224G4P	SRW2024P	SRW248G4P	SFE2000P	SGE2000P
8	8	2	4	24	4		24
		24	24		48	24	
			2	2	2	4	
2	2	2			2	2	4
•	•	•	•	•	•	•	•
8	8	24	24	24	48	24	24
4	8	12	12	12	24	12	12
•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•
•	•		•		•	•	•
+ (4)	+ (4)	+ (8)	+ (8)	8	+ (8)	+ (8)	+ (8)
4	4	4	8	8		8	
•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•
(4096IDs)	+ (4096IDs)	+ (128)	+ (256 gr.)	+ (256 gr.)	+ (256 gr.)	+ (4096IDs)	+ (4096IDs)
•	•		•	•	•	•	•
•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•
+/+	+/+	+/+	+/+	+/+	+/+	+/+	+/+
		•		•	•	•	•
4	4	4	4	4	4	4	4
•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•
•	•						
+/+	+/+	-/+	+/+	+/+	+/+	+/+	+/+
•	•		•	•	•	•	•
•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•
8k	8k	8k	8k	8k	8k	8k	8k
2MB	2MB	4MB	3MB	6MB	6MB		
		(9k)		+ (10k)	(10k)		
		•	•	•	•	•	•
		•	•	•	•	•	•
•	•					•	•
		•	•	•	•	•	•
•	•						

Switch Features and Their Benefits

Feature	Meaning	What is it good for?
10/100/1000	Connection Speed in Megabits per second	Specifies the max. speed per port at the switch, 100 Mbit is "Fast Ethernet", 1000 Mbit is Gigabit Ethernet.
10/100	Connection Speed in Megabits per second	Specifies the max. speed per port at the switch, 100 Mbit is "Fast Ethernet".
Mini GB Expansion Slot	Mini-GBIC (SFP) Module Expansion Slot	An expansion slot that can be populated with a Gigabit module, usually used to connect to the network backbone over Fiber.
SFP Combo port	A dual media gigabit Ethernet port	Provide both a Mini-GBIC expansion slot and a standard 10/100/1000 port, although only one of the interfaces can be active.
PoE	Power over Ethernet	To provide power to devices which are connected to the wired network, e.g. IP Phones, usually used to eliminate the power supply.
Ports @ 15.4 Watt	Maximum number of ports that can be supplied a minimum of 15.4W	Some devices only need half of the maximum power, some switches offer 7.5 Watt at all ports and 15.4 Watt at half of the ports.
Ports @ 7.5 Watt	Maximum number of ports that can be supplied a minimum of 7.5W	For devices that are using the max. power of 15.4 Watt.
Spanning Tree		Spanning Tree is used in switched networks to prevent loops, and has been standardized by IEEE 802.1D.
Rapid Spanning Tree		Rapid Spanning Tree is an evolution of the Spanning Tree Protocol, and was introduced in IEEE 802.1w, and provides for faster spanning tree convergence after a topology change.
Multiple Spanning Tree		Per-VLAN Multiple Spanning Tree Protocol configures a separate Spanning Tree for each VLAN and blocks the links that are redundant within each Spanning Tree.
Link Aggregation		Multiple Links are treated as a single connection. This allows to connect backbones or servers at higher data rates using multiple connections which are aggregated and handled as if they were just one connection.
Port Trunking Groups		Number of trunking groups that can be used for aggregation.
LACP	Link Aggregation Control Protocol	Network protocol according to 802.3ad for dynamic bonding of physical network connections.
802.1p		Quality of Service - prioritization of Ethernet frames in a network.
VLAN (802.1Q)	Virtual Local Area Netwrok	For example, you can put departments into a VLAN, so bookkeeping has its own Virtual LAN.
GVRP	Generic Vlan Registration Protocol	Protocol for dynamic propagation VLAN informaiton among networking devices.
IGMP Snooping	Internet Group Management Protocol	IGMP Snooping limits bandwidth-intensive video traffic to only the requestors without flooding to all users.
Strict Priority		A port configured to strict priority always gets priority over other ports.
Weighted Round Robin		Is a best-effort connection scheduling discipline.
Rate Limiting		Enables the Administrator to limit the bandwidth on specific ports.
Multicast/Broadcast/Storm Control		Controls and prevent the negative effects of broadcast, and multicast storms - these storms can reduce the availability and performance of the network.
DiffServ		Traffic is prioritized based on the layer 3 priority. Typically, end-station applications set the priority of the packets sent into the network.
Number of Queues		An abstract data type that supports priority within the networks.
RADIUS Support	Remote Authentication Dial-In User Service	Used in bigger installation to have one authentication tool for all users, there is normally one RADIUS Sever in the company, there is also a RADIUS protocol which provides security and authentication.
802.1x		Authentication standard for IEEE802 networks.
TACACS+	Terminal Access Controller Access Control System	TACACS+ allows a separate access server (the TACACS+ server) to provide the services of authentication, authorization, and accounting independently. Each service can be tied into its own database or can use the other services available on that server or on the network.
Unmanaged		The switch does not provide any management functions.
Managed		The device provides management interfaces in order to setup and maintain the device, VLAN's, QoS and other features are setup here.
WebView		Management of the device using a standard web browser (e.g. IE or Firefox) .
SSH/SSL	Secure Shell / Secure Socket Layer	Secure way of managing the switch when connecting over Telnet or the Web GUI.
Telnet		Used for administration purposes. A text-based interface (Menu-based access) for diagnostic and basic configuration purposes.
SNMP	Simple Network Management Protocol	The protocol is used by network management systems for monitoring network-attached devices for conditions that warrant administrative attention.
Port Mirroring		All the traffic of specific port is mirrored to another port, this is useful for maintenance and trouble shooting.
Cable Analysis		Advanced feature to detect cabling errors.
RMON	Remote Monitoring	To get statistical data from network devices and also usable for network management.
SNTP	Simple Network Time Protocol	Updates time of switches from a central time server.
MAC Addresses	Media Access Control Addresses	The unique address associated with each networks device. MAC addresses are usually permanently "burned" into the hardware.
Packet Memory		Memory to buffer packets .
Jumbo Frames		Bigger than usual frames, provides better utilization of the network due to reduced transmission overhead, often used for Server to Server communications.
19" Rack Mountable		The device can be directly mounted in a standard 19" rack.
Internal Power Supply		No external power supply needed, the device is directly connected with 110 or 230 Volts, usually used for 19" rack mountable devices.
External Power Supply		External power supply, usually used for desktop class products.
Fan		Used to cool the inside of the device.
Fanless		No fan is needed in the device, which can reduce the noise emitted by the device.

Product		RV042	RV016	RV082	WRV54G	WRV200	RVL200	RVS4000	WRVS4400N
WAN Ports/DMZ	10/100	2	2 (max.7)	2	1	1	1		
	10/100/1000							1	1
	Load Balancing	•	•	•					
	DMZ	+ (1)	+ (1)	+ (1)	•	•	•	•	•
LAN Ports	10/100	4	13	8	4	4	4		
	10/100/1000							4	4
	UPnP	•		•	•	•	•	•	•
Wireless	Wireless AP				•	•			•
	802.11b & g				•	•			•
	802.11n								•
	RangeBooster					•			
Routing & Network	IP Filtering	•	•	•	•	•	•	•	•
	Port Filtering	•	•	•	•	•	•	•	•
	DHCP Server/Client	•	•	•	•	•	•	•	•
	PPPoE	•	•	•	•	•	•	•	•
	PPtP				•	•	•	•	•
	NAT	•	•		•	•	•	•	•
	PAT	•	•		•	•	•	•	•
	DNS Relay	•	•		•	•	•	•	•
	Dyn DNS	•	•		•	•	•	•	•
	ARP	•	•		•	•	•	•	•
	ICMP	•	•		•	•	•	•	•
	TCP IP	•	•		•	•	•	•	•
	IPX	•	•		•	•	•	•	•
	RIP v1/RIP v2	+/+	+/+	+/+	+/+	+/+	+/+	+/+	+/+
Security & VPN	SPI Firewall	•	•	•	•	•	•	•	•
	IP Sec DES/3DES	+/+	+/+	+/+	+/+	+/+	+/+	+/+	+/-
	MD5 / SHA Authenification support	•	•	•	•	•	•	•	•
	IPSec VPN Connections	30	50	50	100	10	1	5	5
	SSL VPN Connections						5		
	VPN Pass Through	•	•	•	•	•	•	•	•
	DoS Prevention	•	•	•	•	•	•	•	•
	Quick VPN Client Support	•	•	•	•	•		•	•
Power Supply	External Power Supply	•	•	•	•	•	•	•	•
	Internal Power Supply			•					
Administration	Web	•	•	•	•	•	•	•	•
	Telnet	•	•	•	•	•	•	•	•
	SNMP	•	•	•	•	•	•	•	•
	Setup Wizards	•	•	•	•	•	•		
	Network Monitoring	•	•		•	•	•	•	•
	Email Alert	•	•	•	•	•	•	•	•

Glossary of Terms

802.11a An IEEE wireless networking standard that specifies a maximum data transfer rate of 54Mbps in the operating frequency range of 5GHz. 802.11a has a greater bandwidth than 802.11b, but a shorter range.

802.11b An IEEE wireless networking standard that specifies a maximum data transfer rate of 11Mbps in the operating frequency range of 2.4GHz.

802.11g An IEEE wireless networking standard that specifies a maximum data transfer rate of 54Mbps, in the operating frequency range of 2.4GHz, and backward compatibility with 802.11b devices.

802.11n An IEEE wireless networking standard that specifies a maximum data transfer rate of 300Mbps, in the operating frequency range of 2.4GHz or 5GHz, and backward compatibility with 802.11a, 802.11b and 802.11g devices.

Access Point A device that allows wireless-equipped computers and other devices to communicate with each other and with a wired network.

Adapter A device that adds network functionality to your PC.

Ad-hoc A group of wireless devices communicating directly with each other (peer-to-peer) without the use of an access point.

ACL (Access Control List) Used within network security systems to allow selective use of services. In the case of NAS usage, an Access Control List is used to control access to, and denial of, files or volumes. A list associated with an AFS directory specifies the actions a user or group is permitted to perform on a directory and its files.

ADSL Asymmetric digital subscriber line. A flavor of DSL where data flow is greater in one direction than the other.

AES (Advanced Encryption Standard) A method that uses up to 256-bit key encryption to secure data, or symmetric 128-bit block data encryption.

Backbone The part of a network that connects most of the systems and networks together, and handles the most data.

Bandwidth The transmission capacity of a given device or network.

Beacon Interval Data transmitted on your wireless network that keeps the network synchronized.

Bridge A device that connects two different kinds of local networks, such as a wireless network to a wired Ethernet network.

Broadband An always-on, fast Internet connection.

Browser An application program that provides a way to look at and interact with all the information on the World Wide Web.

Byte A unit of data that is usually eight bits long.

CIFS (Common Internet File System) A protocol allowing remote file access using different computers with different operating systems. With CIFS, users running Microsoft Windows, Macintosh OS, Linux or other operating systems can access, update, revise and share files without having to install new software. CIFS uses the SMB (Server Message Block) protocol running over TCP/IP. CIFS will allow applications to open and share files across a network.

Client A computer that receives resources such as files, devices, applications, or processing power from a server.

CSMA/CA(Carrier Sense Multiple Access/Collision Avoidance) A method of data transfer that is used to prevent data collisions.

DDNS (Dynamic Domain Name System) A service that allows a static domain name to be assigned to a dynamic IP address. (See DNS).

Default Gateway A device that forwards Internet traffic from your local area network.

DHCP (Dynamic Host Configuration Protocol) A protocol that lets one device on a local network, known as a DHCP server, assign temporary IP addresses to the other network devices, typically computers.

DMZ (Demilitarized Zone) Removes the router's firewall protection from one PC, allowing it to be "seen" from the Internet.

DNS (Domain Name Server) A server that translate domain names (computer host names and email address) to IP address, and vice-versa

DoS (Denial of Service) A network security term which defines a type of attack designed to prevent legitimate users from access a resource by overwhelming that resource with useless/malicious traffic.

DSL (Digital Subscriber Line) An always-on broadband connection over traditional phone lines.

DSSS (Direct-Sequence Spread-Spectrum) Frequency transmission with a redundant bit pattern resulting in a lower probability of information being lost in transit.

DTIM (Delivery Traffic Indication Message) A message included in data packets that can increase wireless efficiency.

Dynamic IP Address A temporary IP address assigned by a DHCP server.

EAP (Extensible Authentication Protocol) A general authentication protocol used to control network access. Many specific authentication methods work within this framework.

EAP-PEAP (Extensible Authentication Protocol-Protected Extensible Authentication Protocol) A mutual authentication method that uses a combination of digital certificates and another system, such as passwords.

EAP-TLS (Extensible Authentication Protocol-Transport Layer Security) A mutual authentication method that uses digital certificates.

Encryption The encoding of data transmitted over a network. Encrypted data is only readable to its intended receiver.

Enterprise In product terms, refers to larger businesses, primarily those with more than 250 employees.

Ethernet (IEEE 802.3) An IEEE standard network protocol that specifies how data is placed on and retrieved from a common transmission medium. Supports data transfer rates of up to 10 Mbps.

Fast Ethernet (IEEE 802.3u) An IEEE standard that supports data transfer rates of up to 100 Mbps.

Firewall Any set of security schemes that prevent unauthorized users from gaining access to a computer network or that monitor transfers of information to and from the network.

Firmware The embedded software that runs a networking device.

Fragmentation Breaking a packet into smaller units when transmitting over a network medium that cannot support the original size of the packet.

FTP (File Transfer Protocol) An application for sending files between computers over a TCP/IP network and the Internet.

Full Duplex The ability of a networking device to receive and transmit data simultaneously.

Gateway A device that interconnects networks with different, incompatible communications protocols.

Gigabit Ethernet (IEEE802.3z and IEEE 802.3ab) An IEEE networking standard that supports data transfer rates of 1gigabit per second (1000 Mbps).

Half Duplex Data transmission that can occur in two directions over a single line, but only one direction at a time.

Hardware The physical aspect of computers, telecommunications, and other information technology devices.

HTTP (HyperText Transport Protocol) The communications protocol used to connect to servers on the World Wide Web.

IEEE (The Institute of Electrical and Electronics Engineers) An international non-profit, professional organization directed toward
the advancement of the theory and practice of electrical, electronics, communications and computer engineering.

Infrastructure Currently installed computing and networking equipment.

Infrastructure Mode Configuration in which a wireless network is bridged to a wired network via an access point.

Intrusion Attack A type of internet attack in which an attacker tries to gain or access the information transimitted through the networks.

Intrusion Prevention System A mechanism to detect malicious software , such as Internet worms, Trojan Horses, and DDoS, that can't be detected by a conventional firewall.

IP (Internet Protocol) A basic protocol used to send data over a network. Allows the sender to transfer data, but does not establish a direct link with the recipient.

IP Address The address used to identify a computer or device on a network.

IPSec (Internet Protocol Security) A VPN protocol used to implement secure exchange of packets at the IP layer. Most widely used for enabling virtual private networks.

ISP (Internet Service Provider) A company that provides access to the Internet.

ITSP (Internet Telephony Service Provider) A company that provides voice communication service over the Internet (VOIP).

JBOD (Just a Bunch of Drives/Disks) Multiple hard disk drives (HDDs) that have been combined into a single virtual drive. In a JBOD configured disk array, each drive may be of a different size or capacity, thus, this storage method can be used to turn two or more odd-sized hard drives into one useful drive.

LAN (Local Area Network) The computers and networking products that make up the network in your home or office.

Layer 2 In an Open Systems Architecture (OSI), the Data Link layer; this layer is responsible for moving data across the physical links in a network, for example with a switch.

Layer 3 The Network layer of an OSI device; determines network addresses, routes, and quality of service for information transport. A router is a Layer 3 device, but switches can also have Layer 3 capability.

LEAP (Lightweight Extensible Authentication Protocol) A mutual authentication method that uses a username and password system.

MAC (Media Access Control) Address The unique address that a manufacturer assigns to each networking device.

Managed Switch A network switch with an IP address that lets you monitor and administer your network.

Mbps (Megabits Per Second) One million bits per second; a unit of measurement for data transmission.

MIMO (Multiple-in, Multiple-out) A technology that uses multiple radio antennas that can each send and receive more than one wireless signal. 802.11n uses MIMO to increase bandwidth and range.

Multicasting Sending data to a group of destinations at once.

NAS (Network Attached Storage) A data storage device on a computer network to provide a centralized repository of data that can be shared and accessed by other end-users or workgroups on the network. The Linksys Business Series NSS products are NAS devices.

NAT (Network Address Translation) NAT technology translates IP addresses of the local area network to a different IP address for the Internet.

NAT (Network Address Translation) Traversal A method of enabling specialized applications, such as Internet phone calls, video, and audio, to travel between your local network and the Internet. STUN is a specific type of NAT traversal.

Network A series of computers or devices connected for the purpose of data sharing, storage, and/or transmission between users.

Node A network junction or connection point, typically a computer or work station.

OFDM (Orthogonal Frequency Division Multiplexing) Frequency transmission that separates the data stream into a number of lower-speed data streams, which are then transmitted in parallel to prevent information from being lost in transit.

Packet A unit of data transmitted over a network.

Passphrase Used much like a password, a passphrase simplifies the WEP encryption process by automatically generating the WEP encryption keys for Linksys products.

Parity A method of attaching additional binary digits to data blocks that enables a NAS controller to monitor whether data has been lost or written over after it has been moved from one place to another in a storage array or among networked computers.

PBX (Private Branch Exchange) A private telephone network used within a business. Users share a certain number of outside lines to make external phone calls.

PEAP (Protected Extensible Authentication Protocol) A protocol for transmitting authentication data, including passwords, over 802.11 wireless networks.

Ping (Packet Internet Groper) An Internet utility used to determine whether a particular IP address is online.

PoE (Power over Ethernet) A technology enabling an Ethernet network cable to deliver both data and power.

Port The connection point on a computer or networking device used for plugging in a cable or an adapter.

PPPoE (Point-to-Point Protocol over Ethernet) A type of broadband connection that provides authentication (username and password) in addition to data transport.

PPTP (Point-to-Point Tunneling Protocol) A VPN protocol that allows the Point to Point Protocol (PPP) to be tunneled through an IP network. This protocol is also used as a type of broadband connection in Europe.

Preamble Part of the wireless signal that synchronizes network traffic.

PTSN Public Telephone Switched Network. Standard public phone lines outside a PBX.

QoS (Quality of Service) A mechanism which gives priorities to certain types of traffic to ensure the throughput; for example, streaming multimedia.

Rack A standardized metal frame used to hold various computer hardware devices that can be stacked on top of one another. Also known as a computer cabinet.

RADIUS (Remote Authentication Dial-In User Service) A protocol that uses an authentication server to control network access.

RAID (Redundant Array of Inexpensive or Independent Disks) A set of data storage schemes for combining and configuring multiple hard disk drives to store business-critical data in such a way as to provide long-term accessibility of the data and/or quick access and archiving of the data. Different RAID levels have different attributes and performance/functional tradeoffs. Some offer better methods for data integrity, fault tolerance, throughput or capacity. Based on the specific needs of the users connected to the storage device some RAID levels may be more suitable than others. Current RAID level schemes include: RAID 0 – Striping; RAID 1 – Mirroring; RAID 4 – Independent Access with Dedicated Parity (not often used); RAID 5 – Independent Access with Distributed Parity (very popular method). Currently, the NSS device offers the choice of five different RAID levels (including JBOD) with two options for adding a hot spare to an existing RAID level.

RJ-45 (Registered Jack-45) An Ethernet connector that holds up to eight wires.

Roaming The ability to take a wireless device from one access point's range to another without losing the connection.

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

RTP (Real-time Transport Protocol) A protocol that enables specialized applications, such as Internet phone calls, video, and audio, to occur in real time.

RTS (Request To Send) A networking method of coordinating large packets through the RTS Threshold setting.

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

Snapshot A copy of a set of files, volumes, or directories as they were at a particular point in the past. The purpose of snapshot, as utilized by the Linksys NSS devices, is that it provides a way that users can recover their own files without having to ask an IT person to restore a backup. So for files that are on a volume for which snapshotting is enabled, a snapshot folder will be created for each share. If the user decides they want to revert to an older version of the file, they can simply browse the snapshot folder and find a version of the file that meets their needs. The snapshots can be set for hourly, daily and weekly intervals.

SNMP (Simple Network Management Protocol) A widely used network monitoring and control protocol.

Software Instructions for the computer. A series of instructions that performs a particular task is called a "program".

SOHO (Small Office/Home Office) Market segment of professionals who work at home or in small offices.

SPI (Stateful Packet Inspection) Firewall A technology that inspects incoming packets of information before allowing them to enter the network.

Spread Spectrum Wideband radio frequency technique used for more reliable and secure data transmission.

SSID (Service Set Identifier) Your wireless network's name.

SSL (Secure Sockets Layer) An application layer security protocol used to provide authentication and communication privacy of data transmitted over the Internet.

Static IP Address A fixed address assigned to a computer or device that is connected to a network.

Static Routing Forwarding data in a network via a fixed path.

Striping A method of concatenating multiple disk drives into one logical storage unit. Striping involves partitioning each drive's storage space into stripes which may be as small as one sector (512 bytes) or as large as several megabytes. These stripes are then interleaved round-robin, so that the combined space is composed alternately of stripes from each drive. In effect, the storage space of the drives is shuffled like a deck of cards. The type of application environment, I/O or data intensive, determines whether large or small stripes should be used.

Subnet Mask An address code that determines the size of the network.

Switch 1. A device that that connects computing devices to host computers, allowing a large number of devices to share a limited number of ports. 2. A device for making, breaking, or changing the connections in an electrical circuit.

TCP (Transmission Control Protocol) A network protocol for transmitting data that requires acknowledgement from the recipient of data sent.

TCP/IP (Transmission Control Protocol/Internet Protocol) A network protocol for transmitting data that requires acknowledgement from the recipient of data sent.

Telnet A user command and TCP/IP protocol used for accessing remote PCs.

Telnet A user command and TCP/IP protocol used for accessing remote PCs.

Throughput The amount of data moved successfully from one node to another in a given time period.

TFTP (Trivial File Transfer Protocol) A version of the TCP/IP FTP protocol that uses UDP and has no directory or password capability.

TKIP (Temporal Key Integrity Protocol) A wireless encryption protocol that periodically changes the encryption key, making it harder to decode.

TLS (Transport Layer Security) Is a protocol that guarantees privacy and data integrity between client/server applications communicating over the Internet.

TX Rate Transmission Rate.

UDP (User Datagram Protocol) A network protocol for transmitting data that does not require acknowledgement from the recipient of the data that is sent.

Unmanaged Switch A basic switch that works right out of the box and does not allow the user remote network administration capability.

Upload To transmit a file over a network.

VOIP or IP Telephony Voice over Internet Protocol. Technology that enables people to use the Internet to transmit packets of voice data using IP rather than traditional circuit transmissions. Seen as a more affordable voice solution for businesses.

VLAN (Virtual LAN) A network of computers that behave as if they are connected to the same wire, though they may actually be physically located on different segments of a LAN.

VPN (Virtual Private Network) A security measure to protect data as it leaves one network and goes to another over the Internet.

WAN (Wide Area Network) A group of networked computers in a large geographical area. The best example of a WAN is the Internet.

WEP (Wired Equivalency Protocol) WEP is a security protocol for wireless networks. WEP aims to provide security by encrypting data over radio waves so that it is protected as it is transmitted from one end point to another. A shared key (similar to a password) is used to allow communication between the computers and the router. WEP offers a basic, but satisfactory level of security for wireless data transmission.

Wi-Fi A brandname of the Wi-Fi Alliance used to describe wireless LAN (WLAN) technology based on the IEEE 802.11 standards.

Wi-Fi Alliance A trade group that performs testing, develops specifications, certifies interoperability of products, and promotes wireless networking technology. The Wi-Fi alliance owns the trademark to "Wi-Fi".

WLAN (Wireless Local Area Network) A group of computers and associated devices that communicate with each other wirelessly.

WPA (Wi-Fi Protected Access) A security protocol for wireless networks that builds on the basic foundations of WEP. It secures wireless data transmission by using a key similar to WEP, but the added strength of WPA is that the key changes dynamically. The changing key makes it much more difficult for a hacker to learn the key and gain access to the network.

WPA2 (Wi-Fi Protected Access 2) WPA2 is the second generation of WPA security and provides a stronger encryption mechanism through Advanced Encryption Standard (AES), which is a requirement for some government users.

WPA-Personal A version of WPA that uses long and constantly changing encryption keys to make them difficult to decode.

WPA-Enterprise A version of WPA that uses the same dynamic keys as WPA-Personal and also requires each wireless device to be authorized according to a master list held in a special authentication server.