Secure, high-speed wireless networking for growing businesses

The growth in mission critical, high bandwidth applications, such as storage and voice in the work place, has made network performance and security essential. With the introduction of 802.11n, wireless technology is no longer lagging behind wired performance. The Linksys Business Series WRVS4400N wireless router answers the growing business’ need for access, speed and security.

The WRVS4400N implements draft 802.11n (Wireless-N) technology with a Virtual Private Network (VPN) Router that features a built-in 4-port full-duplex 10/100/1000 Gigabit Ethernet switch. By overlaying the signals of multiple radios, Wireless-N’s “Multiple In, Multiple Out” (MIMO) technology multiplies the effective data rate resulting in greater throughput and coverage over 802.11g. Unlike ordinary wireless networking technologies that are confused by signal reflections, MIMO actually uses these reflections to increase the range and reduce “dead spots” in the wireless coverage area. At the same time, Wireless-N is backwards compatible with Wireless-B and -G devices.

The WRVS4400N has incorporated advanced firewall and intrusion prevention (IPS) features to secure your network from external threats, including worms, DDoS attacks, and viruses. The VPN tunnels gives your mobile workers a secure and easy to use way to stay connected. In addition, the VPN “gateway to gateway” IPSec tunnels facilitate branch office connectivity through encrypted virtual links. The integrated QoS features provide consistent voice and video performance on both the wired and wireless networks, enabling the deployment of business quality VoIP and video applications.

The Linksys Small Business Series is the affordable, reliable, high quality networking solution that helps you do business smarter. Our systems ensure maximum application availability enabling you to meet corporate governance and business continuance requirements. Secure and easy to install and maintain, it's built to grow with your business.

Wireless-N offers greater speed and coverage than Wireless-G, 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.

Wireless-N
Gigabit Security Router with VPN

Model: WRVS4400N
Wireless-N
Gigabit Security Router with VPN

Specifications
Model
WRVS4400N
Draft IEEE802.11n, IEEE802.11g, IEEE802.11b, IEEE802.3, IEEE802.3u, 802.1X (security authentication), 802.11i - Ready (security WPA2), 802.11e - Ready (wireless QoS), IPv4 (RFC791), IPv6 (RFC2460), RIPv1 (RFC1058), RIPv2 (RFC1723)

Standards
Ethernet, Power
Reset
UTP CAT 5
Power, Diag, IPS (blinks RED - Internal attack, blinks Green - external attack), Wireless, LAN 1-4, Internet
Linux

Ports

Buttons

Cabling Type

LEDs

Operating System

Performance

NAT Throughput
800 Mb/s

Setup/Config

WebUI
Built-in web user interface for easy browser-based configuration (HTTP/HTTPS)

Management

SNMP Version
SNMP version 1, 2c

Event Logging
Local, Syslog, E-mail alerts

Web F/W Upgrade
Firmware upgradable through web browser

Diags: Flash, etc.
Flash, RAM

Wireless

Spec/Modulation
Radio and modulation type: 802.11b/DSSS, 11g/OFDM, 11n/OFDM
11 channels (most of North, Central and South America)
13 channels (most of Europe and Asia)
3 (Omni-Directional)
11b - 16 dBm@1TX, 19 dBm@2TX; 11g - 13 dBm@1TX, 16 dBm@2TX; 11n - 13 dBm@1TX, 16 dBm@2TX
2
11.n: 300Mbps@ -69dBm, 11.g: 54Mbps@ -73dBm, 11.b: 11Mbps@ -88dBm

Channels

# of External Ant.
3 (Omni-Directional)

Transmit Power
11b - 16 dBm@1TX, 19 dBm@2TX; 11g - 13 dBm@1TX, 16 dBm@2TX; 11n - 13 dBm@1TX, 16 dBm@2TX

Antenna Gain in dBi
2

Receiver Sensitivity
11.n: 300Mbps@ -69dBm, 11.g: 54Mbps@ -73dBm, 11.b: 11Mbps@ -88dBm

Security

Access Control
IP-based Access Control List (ACL); MAC-based wireless access control

Firewall
Stateful Packet Inspection (SPI) firewall

Content Filtering
URL blocking, keyword blocking

IPS (Intrusion Prevention System)

Signature Update
Manual download from the web

Secure Management
HTTPS, username/password

802.1X
Port-based RADIUS Authentication (EAP-MDS, EAP-PEAP)

QoS

Prioritization Types
Port-based and application-based priority

Queues
4 queues
**Network**
- VLAN Support: Port-based VLAN
- DHCP
- DNS
- NAT
- DMZ: Software configurable on any LAN port

**VPN**
- 5 QuickVPN tunnels for remote client access
- 5 IPSec gateway-to-gateway tunnel for branch office connectivity
- 3DES encryption
- MD5/SHA1 authentication
- IPSec NAT-T
- VPN passthrough of PPTP, L2TP, IPSec

**Routing**
- Static and RIP v1,v2

**Environmental**
- Dimensions: 7.8" x 5.16" x 7.8" (198 mm x 131 mm x 198 mm)
- Unit Weight: 1.21 lb (0.55 kg)
- Power: 12V 1A
- Certification: FCC class B, CE, ICES-003
- Operating Temp.: 0 to 40°C (32 to 104°F)
- Storage Temp.: -20 to 70°C (-4 to 158°F)
- Operating Humidity: 10 to 85% noncondensing
- Storage Humidity: 5 to 90% noncondensing

**Package Contents**
- User Guide and QuickVPN Client Software on CD-ROM
- Network Cable
- Power Adapter
- Stands
- Registration Card
- Quick Install Guide

**Minimum Requirements**
- Network Adapter with Ethernet Network Cable and TCP/IP Protocol Installed per PC
- Web-based configuration Java/Cookies/SSL-enabled Web browser

**Warranty**
- 3 Years