



A Division of Cisco Systems, Inc.

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



WRVS4400N

PRODUCT DATA

Wireless-N Gigabit Security Router with VPN

BUSINESS SERIES

Model: **WRVS4400N**



Features

- Draft 802.11n wireless networking technology for increased throughput and coverage
- Full backwards compatibility for 802.11b and 802.11g
- 4-Port 10/100/1000 switch with automatic rate negotiation and automatic MDI/MDIX detection
- IPSec VPN tunneling for remote user and branch-to-branch connectivity
- Stateful Packet Inspection Firewall with Network Address Translation (NAT)
- IDS/IPS network intrusion detection and prevention services with e-mail alerts
- WMM wireless QoS support - upgradeable to 802.11e
- Supports WEP, WPA-PSK, WPA2-PSK, WPA-ENT, and WPA2-ENT authentication (802.11i ready)
- User definable access control lists (ACL) for restricting inbound and outbound traffic flows
- DHCP Client (WAN) and Server (LAN) with Dynamic DNS support
- Adjustable Dipole antennae with MIMO 2x3 Diversity
- Easy installation and configuration Web Interface and QuickVPN software
- SNMP v1 and v2c support

PRODUCT DATA

BUSINESS SERIES

Wireless-N Gigabit Security Router with VPN

Specifications

Model	WRVS4400N
Standards	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)
Ports	Ethernet, Power
Buttons	Reset
Cabling Type	UTP CAT 5
LEDs	Power, Diag, IPS (blinks RED - Internal attack, blinks Green - external attack), Wireless, LAN 1-4, Internet
Operating System	Linux

Performance

NAT Throughput	800 Mb/s
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Setup/Config

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

SNMP Version	SNMP version 1, 2c
Event Logging	Local, Syslog, E-mail alerts
Web F/W Upgrade	Firmware upgradeable through web browser
Diagnostics: Flash, etc.	Flash, RAM

Wireless

Spec/Modulation	Radio and modulation type: 802.11b/DSSS, 11g/OFDM, 11n/OFDM
Channels	11 channels (most of North, Central and South America) 13 channels (most of Europe and Asia)
# 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)	IP Sweep Detection, Application Anomaly Detection (HTTP, FTP, Telnet, RCP), P2P Control, Instant Messenger Control, L3-L4 Protocol (IP, TCP, UDP, ICMP) Normalization, L7 Signature Matching
Signature Update	Manual download from the web
Secure Management	HTTPS, username/password
802.1X	Port-based RADIUS Authentication (EAP-MD5, EAP-PEAP)

QoS

Prioritization Types	Port-based and application-based priority
Queues	4 queues

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Linksys products are available in more than 50 countries, supported by 12 Linksys Regional Offices throughout the world. For a complete list of local Linksys Sales and Technical Support contacts, visit our Worldwide Web Site at www.linksys.com.

PRODUCT DATA

BUSINESS SERIES

Network

VLAN Support
DHCP
DNS
NAT
DMZ

Port-based VLAN
DHCP Server, DHCP Client, DHCP Relay Agent
DNS Relay, Dynamic DNS (DynDNS, TZO)
PAT, NAT, ALG support, NAT Traversal
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"
W x H x D (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