

# LINKSYS®

A Division of Cisco Systems, Inc.

## Secure, smart Gigabit networking for growing business

Protection of your network is a mission critical activity. At Linksys, we build powerful security into every product, to keep your wired and wireless networks safe. Linksys Small Business Series systems have advanced firewall, encryption and authentication features to protect you from network threats – threats that can seriously disrupt or damage your business by stealing your valuable data, slowing down your network and interfering with business-critical applications. Our systems ensure maximum application availability enabling you to meet corporate governance and business continuance requirements. The Linksys Small Business Series is the affordable, reliable, high quality networking solution that helps you do business smarter. Secure and easy to install and maintain, it's built to grow with your business.

With broadband speeds increasing beyond 20Mbps, many of the existing 10/100 gateways do not have the processing power to support these higher data rates, becoming the bottleneck in the network. The RVS4000 10/100/1000 4-Port VPN Router operates at Gigabit speeds to meet the demands of today's networks. It features Linksys' proven SPI Firewall with an integrated Intrusion Detection and Prevent System (IDS/IPS).

Its built-in 4-port, full-duplex 10/100/1000 Ethernet switch can connect up four PCs directly, or additional hubs and switches. The QoS features provide consistent voice and video quality throughout your business.

In addition the RVS4000 features a Virtual Private Network (VPN) security engine that creates encrypted "IPSec tunnels" through the Internet. The IPSec VPN tunnels enable remote users from at home, or on the road to easily, and securely connect to the office network through a typical wired or wireless broadband connection. When used with another RVS4000 or other Linksys VPN router, "branch-to-branch" connections can be established allowing users in a remote office to connect to the corporate network.

Gigabit networking to support high-bandwidth applications

SPI Firewall, and Intrusion Protection secure the work from outside threats

QuickVPN IPSec VPN tunnel support provides secure remote user connectivity

QoS provide improved quality voice/video quality



RVS4000

### PRODUCT DATA

## 4-Port Gigabit Security Router with VPN

### BUSINESS SERIES

Model: RVS4000



## Features

- IPsec VPN tunneling for remote user and branch-to-branch connectivity
- Stateful Packet Inspection Firewall with network address translation (NAT)
- 4-Port 10/100/1000 switch with automatic rate negotiation and automatic MDI/MDIX detection
- IDS/IPS network intrusion detection and protection services with email alerts  
- Free signature updates are provided for one year
- User defineable access control lists (ACL) for restricting inbound and outbound traffic flows
- QoS support
- DHCP Client (WAN) and Server (LAN) with Dynamic DNS support
- Easy installation and configuration through the Web Interface and QuickVPN software
- SNMP v1 and v2c support

## PRODUCT DATA

## BUSINESS SERIES

# 4-Port Gigabit Security Router with VPN

## Specifications

|                  |                                                                                      |
|------------------|--------------------------------------------------------------------------------------|
| Model            | RVS4000                                                                              |
| Standards        | IEEE802.3, 802.3u, 802.1x, RFC791 (IP Protocol)                                      |
| Ports            | Ethernet, Power                                                                      |
| Buttons          | Reset                                                                                |
| Cabling Type     | UTP CAT 5                                                                            |
| LEDs             | Power, Diag, IPS (Blinks RED - Internal attack, Green - external), LAN 1-4, Internet |
| Operating System | Linux                                                                                |

## Performance

|                |          |
|----------------|----------|
| NAT Throughput | 800 Mb/s |
|----------------|----------|

## Setup/Config

|       |                                                                   |
|-------|-------------------------------------------------------------------|
| WebUI | Built in Web UI for Easy browser-based configuration (HTTP/HTTPS) |
|-------|-------------------------------------------------------------------|

## Management

|                          |                                             |
|--------------------------|---------------------------------------------|
| SNMP Version             | SNMP Version 1, 2c                          |
| Event Logging            | Event Logging: Local, Syslog, E-mail Alerts |
| Web F/W upgrade          | Firmware Upgradable Through Web-Browser     |
| Diagnostics: Flash, etc. | Diagnostics: Flash, RAM                     |

## Security

|                                   |                                                                                                                                                                                              |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Access Control                    | IP and MAC based Access Control List (ACL)                                                                                                                                                   |
| 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 (Free download for 1 year)                                                                                                                                      |
| 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                                  |

## Network

|              |                                                                                                                                                                                                                      |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| VLAN Support | Port-based VLAN                                                                                                                                                                                                      |
| DHCP         | DHCP Server, DHCP Client, DHCP Relay Agent                                                                                                                                                                           |
| DNS          | DNS Relay, Dynamic DNS (DynDNS, TZO)                                                                                                                                                                                 |
| NAT          | PAT, NAT, ALG support, NAT Traversal                                                                                                                                                                                 |
| DMZ          | Software configurable on any LAN port                                                                                                                                                                                |
| VPN          | 5 QuickVPN Tunnels for remote client access<br>5 IPsec Gateway-to-Gateway Tunnel for branch office connectivity<br>3DES Encryption<br>MD5/SHA1 Authentication<br>IPsec NAT-T<br>VPN Passthrough of PPTP, L2TP, IPsec |
| Routing      | Static and RIP v1,v2                                                                                                                                                                                                 |

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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](http://www.linksys.com).

## PRODUCT DATA

## BUSINESS SERIES

### Environmental

|                         |                                            |
|-------------------------|--------------------------------------------|
| Dimensions<br>W x H x D | 6.69 x 1.61 x 6.69"<br>(170 x 41 x 170 mm) |
| Unit Weight             | 0.84 lbs (0.38 kg)                         |
| Power                   | 12V 1A                                     |
| Certification           | FCC class B, CE, ICES-003                  |
| Operating Temp.         | 32 to 104°F (0 to 40°C)                    |
| Storage Temp.           | -4 to 158°F (-20 to 70°C)                  |
| Operating Humidity      | 10% to 85% Noncondensing                   |
| Storage Humidity        | 5% to 90% noncondensing                    |

### Package Contents

- RVS4000 4-Port Gigabit Security Router with VPN
- User Guide 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