

SonicWALL SSL-R

High Performance SSL Accelerators

Web sites delivering e-commerce services or confidential information use SSL (Secure Sockets Layer) to secure transactions over the Internet. Processing SSL transactions puts a heavy load on Web server resources, resulting in lost customers and lost sales. Adding additional HTTPS servers to handle the burden is a costly proposition and adds more servers to the network infrastructure. SonicWALL's family of SSL Accelerators takes on the job of processing SSL transactions freeing up valuable web server resources at a fraction of the cost.

The SonicWALL SSL-R is a 1U rack mount, 2-port SSL Accelerator that supports up to 200 new SSL connections per second and up to 5,000 sustained SSL connections. The SonicWALL SSL-R works seamlessly with Layer 7 content switches to enable load balancing of SSL traffic across all ports, enhancing site performance and content location flexibility. The SonicWALL SSL-R supports both transparent and non-transparent proxy modes, and allows a single port to be used for both ingress and egress traffic, with no performance degradation.

Using a simple drop-in deployment for any Web site, the SonicWALL SSL-R offloads all encryption, decryption and secure processes from servers, freeing them to perform their essential tasks. Storing up to 256 keys and certificates directly in the SonicWALL SSL-R ensures complete independence from Web servers and also eliminates the hassles of setting up SSL processing properties on Web servers.

The SonicWALL SSL-R is a cost-effective solution for boosting the performance of secure Web servers to maintain rapid response time for secure content.



SonicWALL SSL-R

SONICWALL

SECURITY

Firewall

VPN

Anti-Virus

Content Filtering

Vulnerability Scan

Authentication

> SSL Acceleration

- Rack-mount SSL Accelerator
- Seamless integration with content switches for maximum Web site efficiency
- Redundant power supplies for mission-critical processing



SSL-PCI



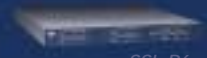
SSL-IA



SSL-R



SSL-R3



SSL-R6

SECURITY

SONICWALL

COMPREHENSIVE INTERNET SECURITY SOLUTIONS

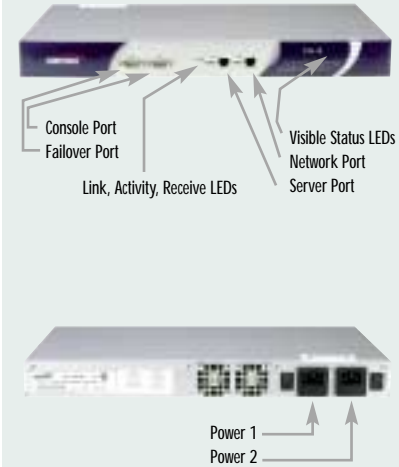
www.sonicwall.com

SonicWALL SSL-R

High Performance SSL Accelerators

SonicWALL SSL-R Features and Benefits

- **Cost Effective.** SonicWALL SSL-R delivers industry-leading price/performance for offloading SSL transactions at a fraction of the cost of deploying HTTPS servers.
- **High Performance.** SonicWALL SSL-R supports up to 200 new SSL connections per second and up to 5,000 sustained SSL connections.
- **Content Switch Friendly.** SonicWALL SSL-R works seamlessly with Layer 7 content switches to enable load balancing of SSL traffic to maximize Web site efficiency.
- **Certificate and Key Management.** SonicWALL SSL-R provides centralized management of up to 256 keys and certificates, and offers better security of certificates over server-based management options.
- **Reliability.** SonicWALL SSL-R includes redundant power supplies to ensure your mission-critical secure servers stay up and running. Multiple SonicWALL SSL-Rs can be combined to create high availability for SSL transaction processing. The SonicWALL SSL-R is also a solid-state device with no critical moving parts for maximum reliability
- **Offloads All SSL Processing.** SonicWALL SSL-R transparently offloads all encryption, decryption and secure processes, freeing the server to perform its essential HTTP tasks.
- **Flexible Management.** SonicWALL SSL-R can be configured and managed using several management interfaces including serial-based CLI, Telnet, Web-based GUI, and remote INXCFG for clustering capabilities. For secure communications, the SSL-R supports HTTPS and TelnetS encryption.
- **Back-End Encryption.** SonicWALL SSL-R supports the capability of initiating SSL sessions to an SSL termination point on another device to deliver complete end-to-end security while still allowing the content switch to make routing decisions.
- **Client Certificate Support.** SonicWALL SSL-R enables a logical SSL server to request a client certificate during the SSL handshake and then provide control over the handling of the certificate to the secure server. The certificate information can then be forwarded back to the secure server via multiple methods.
- **Advanced Authentication Support.** With customizable back-end authentication capabilities using extensive HTTP Header definitions, the SonicWALL SSL-R supports leading authentication platforms.



SonicWALL SSL-R Product Part Numbers

01-SSC-5123 SonicWALL SSL-R - US/Canada
01-SSC-5122 SonicWALL SSL-R - International

SonicWALL SSL-R General Specifications

SSL Transactions

SSL-R: New: 200 Transactions Per Second
Sustained: 5,000

Standards

IEEE 802.3 10Base-T Ethernet
IEEE 802.3u 100Base-TX Fast Ethernet

Data Transfer Rates

| | |
|---------------|-----------------------|
| Ethernet | 10Mbps (half duplex) |
| | 20Mbps (full duplex) |
| Fast Ethernet | 100Mbps (half duplex) |
| | 200Mbps (full duplex) |

Number of Ports

SSL-R: Two 10/100 TX Ports

Protocols

CSMA/CD Ethernet

Public Key Cryptography Algorithms

RSA—512
RSA—1024
RSA—2048

Encryption Algorithms

| | |
|------|------|
| 3DES | ARC4 |
| DES | ARC2 |

Hash Algorithms

SHA1
MD5

Network Cabling

Cable Type: UTP Category 5 (100m)
Connector Type: RJ-45

Memory

64 MB RAM; 16 MB Flash ROM

Regulatory Compliance

FCC Class A; CISPR-22-A; VCCI-A; CSA and CE
Compliant to: EN55022 Class A, EN55024, EN50082-1, EN60950

SonicWALL SSL-R3 & R6 Physical and Environmental Specifications

Dimensions

Length: 8.875" Height: 1U (1.75") Width: 19"

Weight

6 lbs. (2.7 kg)

Port Description

| | |
|----------------|--|
| Network Ports: | Two 10/100Base TX |
| Console Ports: | DB9 Serial Ports |
| Reset Switch: | Push to reset hardware. Configuration data maintained. |

Environmental Operating Range

Temperature: 0° to 40° C (32° to 104° F)
Humidity: 10 to 85% non-condensing
Altitude: Up to 3,048 meters (10,000 ft)

Power Requirements

Operating Voltage: 1100-240 V. 50-60Hz; 1.0A
Consumption: 20W
Power Supply: Internal redundant power supplies

