SonicWALL SSL-R
High Performance SSL Accelerators

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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.

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*
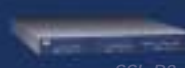- *Redundant power supplies for mission-critical processing*

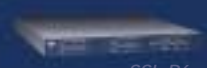## SonicWALL SSL-R

SSL-PCI   SSL-IA   SSL-R   SSL-R3   SSL-R6
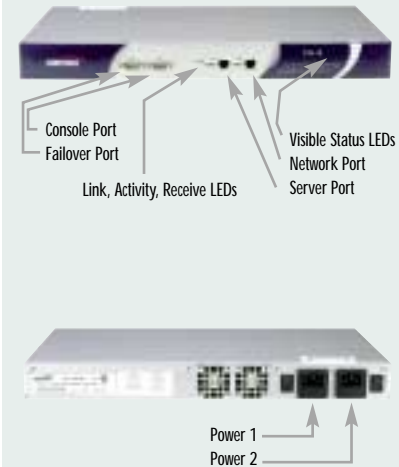
SECURITY

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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 hand-shake 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.

Console Port
Failover Port
Link, Activity, Receive LEDs

Visible Status LEDs
Network Port
Server Port

Power 1
Power 2

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° 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