

# SONICWALL SSL-R3 and SSL-R6

## High Performance SSL Accelerators—Rack Mount



Web sites delivering e-commerce services or secure personalized information require transaction security. Most secure Web sites use the industry-standard Secure Sockets Layer (SSL) to identify the server to the user and to secure the transaction between them. Processing computational intensive SSL transactions dramatically slows down the performance of even the most powerful Web servers. When mission-critical Web servers become overloaded with the overhead of processing secure transactions, the result is lost productivity, lost customers, and lost sales.

### ***SonicWALL SSL-R3 and SSL-R6 offer:***

- ***High performance SSL acceleration technology***
- ***Up to 1,200 SSL transactions per second***
- ***Complete offloading of all SSL processing***
- ***Easy installation and configuration***

The SonicWALL SSL-R3 and SSL-R6 are high performance SSL accelerators that deliver a cost-effective solution for boosting the performance of secure servers by completely offloading the burden of all SSL processing. Designed for the demanding needs of enterprises, data centers, co-location and Web hosting facilities, and application service providers, the SonicWALL SSL-R3 and SSL-R6 support up to 1,200 new SSL transactions per second and 5,400 sustained SSL connections.

The SonicWALL SSL-R3 and SSL-R6 are the only products on the market that support both transparent and non-transparent proxy modes. The transparent configuration allows the source IP address to be passed to the Web server, a process critical for applications such as online banking. SonicWALL's "One Arm Mode" SSL acceleration technology allows a single port to be used for both ingress and egress traffic, with no performance degradation. This allows for greater port utilization for content switches where per port costs run high.

The SonicWALL SSL-R3 and SSL-R6 work seamlessly with Layer 7 content switches to enable load balancing of SSL traffic across all ports to enhance site performance and content location flexibility, as well as differentiate service capabilities and support replication services.

The SonicWALL SSL-R3 and SSL-R6 are cost-effective, high performance solutions for boosting Web site performance to maintain rapid response time for secure content to avoid lost productivity due to Web site delays.

# SONICWALL SSL-R3 and SSL-R6

## High Performance SSL Accelerators—Rack Mount

### SonicWALL SSL-R3 and SSL-R6 Features and Benefits

**High Performance.** Offers unparalleled Web server performance boosts to maintain rapid response time on secure content. The SSL-R3 supports up to 600 new SSL connections per second and 2,700 sustained connections per second. The SSL-R6 supports up to 1,200 new connections per second and up to 5,400 sustained connections.

**Offloads All Secure Processing.** Transparently handles all encryption, decryption and secure processes, freeing the Web server to perform its normal tasks.

**Cost Effective.** Compared to deploying a multi-processor HTTPS server costing over \$100K, the SonicWALL SSL-R3 and SSL-R6 offer superior performance at a fraction of the cost.

**Seamless Integration with Content Switches.** Allows content switches to work in an SSL environment to offer enhanced site performance through content location flexibility, cookie based load balancing, differentiated service capabilities, and replication services. Used with Layer 7 content switches, you can load balance SSL traffic across all ports.

**Stores Up to 1,530 Keys and Certificates.** Eliminates the hassles of setting up the secure processing properties on the host applications and maintaining certificates on each and every web server by storing up to 765 keys and digital certificates in the SSL-R3, and up to 1,530 keys and digital certificates in the SSL-R6.

**Complete Web Server Independence.** Designed to be completely independent of any Web server software. No software installation on Web servers required.

**Redundant Power Supplies.** Includes redundant power supplies to ensure mission-critical secure transaction processing.

**Compact Rack Mount Design.** Uses only 1U of rack space for maximum rack space efficiency.



#### Product Part Numbers

01-SSC-5130 SonicWALL SSL-R3 - US/Canada  
01-SSC-5132 SonicWALL SSL-R3 - International

01-SSC-5140 SonicWALL SSL-R6 - US/Canada  
01-SSC-5142 SonicWALL SSL-R6 - International

#### SonicWALL SSL-R3 & R6 General Specifications

##### 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

10/100 TX 6 Ports - SSL-R3  
10/100 TX 12 Ports - SSL-R6

##### 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; CE/EN 55022-A/EN 55024, UL 1950 3rd, CAN/CSA-C22.2 No. 950-M95, CE/EN60950, IEC 60950

##### Configuration Software OS Support

Windows NT 4.0; Windows 2000  
Red Hat Linux 5.0, 6.0, 6.1, 6.2, 7.0;  
Solaris 2.6, 7, 8

#### SonicWALL SSL-R3 & R6 Physical and Environmental Specifications

##### Dimensions

Depth: 19.625"	Height: 1U (1.75")	Width: 19" (with mountings)
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##### Weight

SSL-R3: 18 lbs. (8.16 kg)    SSL-R6: 19 lbs. (8.62 kg)

##### Port Description

Network Ports:	6 or 12 - 10/100Base TX
Console Ports:	DB9 Serial Ports
Reset Switch:	Push to reset hardware. Configuration data maintained.

##### Environmental Operating Range

Temperature: 5° 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: 100-120/200-240 VAC, 50-60Hz;  
Consumption: SSL-R3 = 80,    SSL-R6 = 160W  
Power Supply: Internal redundant power supplies

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