SonicWALL SSL-PCI
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.
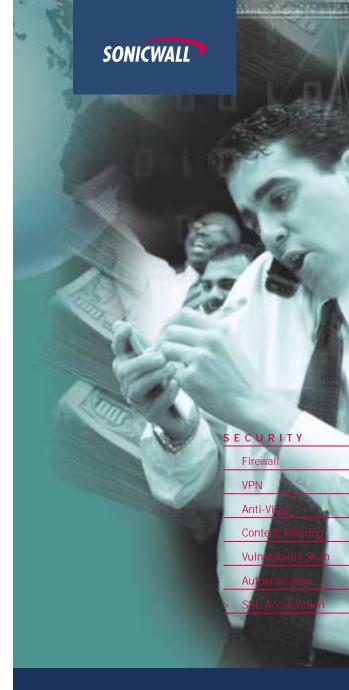
SonicWALL SSL-PCI is a plug-and-play SSL Accelerator PCI card that integrates into any Web server to offload all encryption, decryption and secure processes from the server CPU. SonicWALL SSL-PCI supports up to 200 new SSL connections per second and up to 5,000 sustained SSL connections. Storing up to 256 keys and certificates, the SonicWALL SSL-PCI ensures complete Web server independence and eliminates configuring SSL properties on the host application.

The SonicWALL SSL-PCI is optimized to seamlessly handle all SSL transactions to enable the Web server to dramatically boost its perform-ance. And all SSL processing is done on the SonicWALL SSL-PCI before it reaches the PCI bus of the host server to ensure maximum transaction security.

The SonicWALL SSL-PCI delivers the most cost-effective way to dramat-ically boost 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

- *Offloads all SSL processing from Web server to maintain rapid response time for secure content*
- *Cost-effective SSL processing solution that frees up valuable Web server resources*
- *Plug-and-play PCI card that seamlessly integrates into any Web server*

SonicWALL SSL-PCI

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

SECURITY

SonicWALL SSL-PCI
High Performance SSL Accelerators

SonicWALL SSL-PCI Features and Benefits

- **Low Cost SSL Processing Solution.** SonicWALL SSL-PCI delivers powerful SSL processing in an affordable PCI card that provides superior performance over adding an HTTPS server at a fraction of the cost.

- **Offloads All SSL Processing.** SonicWALL SSL-PCI offloads all SSL encryption, decryption, and secure processes from the Web server using a powerful embedded processor to guarantee end-to-end security from server to browser.

- **Boosts Web Site Performance.** Dedicated hardware designed for the sole purpose of processing SSL transactions, the SonicWALL SSL-PCI offers unparalleled performance to support 200 new SSL transactions and up to 5,000 sustained SSL transactions.

- **Stores Up to 256 Keys and Certificates.** SonicWALL SSL-PCI provides centralized management of up to 256 keys and certificates to offer better security over server-based management options.

- **Easy Installation.** The SonicWALL SSL-PCI configuration utility includes a Quick Start Wizard that allows for a quick installation in under 30 minutes.

- **Web Server Application Independence.** The SonicWALL SSL-PCI is designed to be completely independent of Web server applications, so there are no software application compatibility issues.

- **Built-in Server NIC.** In addition to performing the crypto functions, the SonicWALL SSL-PCI functions as a 10/100 Mbps Fast Ethernet NIC.

- **Client Certificate Support.** SonicWALL SSL-PCI 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.

Link, Activity, Receive LEDs
10/100Base-TX

SonicWALL SSL-PCI Product Part Numbers

01-SSC-5100 SonicWALL SSL-PCI (US/Canada)
01-SSC-5102 SonicWALL SSL-PCI (International)

SonicWALL SSL-PCI General Specifications

SSL Transactions
SSL-PCI: 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-PCI: 1 10/100 TX Port

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-PCI Physical and Environmental Specifications

Dimensions
Length: Half Length PCI 6.8″   Height: 4.2″   Bus Type: PCI 2.1 64-bit

Weight
.5 lbs. (shipping weight 2 lbs.)

Port Description
Network Ports: One 10/100Base TX

Environmental Operating Range
Temperature: 5° to 40° C (41° 104° F)
Humidity: 10 to 85% non-condensing
Altitude: Up to 3,048 meters (10,000 ft)

Power Requirements
Operating Voltage: 5 VDC
Consumption: 15W

SOLUTIONS

DS1201_US_SSL-PCI