



## VPN-1 Accelerator Card

### PRODUCT FEATURES:

- Hardware-based VPN acceleration
- IPSec and IKE compliant
- Plug-and-play integration with VPN-1

### PRODUCT BENEFITS:

- Superior VPN throughput for standards-based hardware platforms
- Better firewall throughput by offloading VPN processes
- A cost effective VPN-1/FireWall-1 performance upgrade

### YOUR CHALLENGE

Organizations are rapidly deploying Virtual Private Networks (VPNs) to deliver secure connectivity to remote offices, mobile users, and business partners. However, as the volume of VPN traffic grows, performance becomes an increasingly important concern. The VPN must secure network communications without degrading performance. The computationally-intensive tasks required by some encryption algorithms, such as 3DES, can exhaust host CPU resources, causing the VPN gateway to become a performance bottleneck.

### OUR SOLUTION

Check Point Software Technologies meets the performance challenge with the VPN-1® Accelerator Card™. Developed jointly with Broadcom Corporation, the VPN-1 Accelerator Card is a PCI-compatible add-in, which offloads intensive cryptographic operations from the host CPU of a VPN-1 Pro™ gateway, to a dedicated processor on the card.

The VPN-1 Accelerator Card III delivers more than 300Mbps 3DES VPN throughput. Even when VPN traffic is moderate, VPN-1 users benefit from the card by freeing gateway resources for other secure tasks.



### A SMART WAY TO SCALE VPN-1/FIREWALL-1

Developed jointly with Broadcom Corporation, The VPN-1 Accelerator Card scales total gateway capacity by offloading encryption and public key operations from the host CPU to a dedicated processor on the card. This “add-in” approach not only expands gateway capacity for VPN communications, but also frees system

resources for firewall operations. This dual benefit means that the accelerator card is a good fit for any VPN/firewall applications where CPU utilization is high — even when VPN traffic is moderate. There is no need to completely replace gateway hardware when more power is needed.





## TRANSPARENT CONFIGURATION AND MANAGEMENT

The VPN-1 Accelerator Card is a PCI-compatible card providing plug-and-play support with VPN-1. Software drivers are installed as part of the VPN-1 installation process, providing seamless integration with Check Point's VPN solution. The card is administered directly by the gateway and can be installed on new or existing VPN-1 gateways with no reconfiguration. In addition, auto-detection of hardware failures prompts VPN-1 to bypass hardware encryption facilities to utilize software encryption capabilities of the gateway. This exceptional level of fault tolerance ensures VPN up-time.

TECHNICAL INFORMATION	
PERFORMANCE	<b>300 Mbps</b>
VPN STANDARDS	<b>IPSec</b>
ALGORITHMS	
<b>Encryption</b>	<b>DES Triple DES</b>
<b>Hashing (Data Integrity)</b>	<b>MD5 SHA-1</b>
PHYSICAL DIMENSIONS	
<b>Width</b>	<b>16.31 cm (6.421 inch)</b>
<b>Height</b>	<b>6.8 cm (2.675 inch)</b>
POWER REQUIREMENTS	
<b>Voltage</b>	<b>5 Volts +/- 5%</b>
<b>Power</b>	<b>4.8W</b>
ENVIRONMENTAL OPERATING RANGE	
<b>Operating Temperature</b>	<b>0 to 50 C (32 to 149 F)</b>
BUS COMPATIBILITY	<b>PCI 2.2 standard, backward compatible with PCI 2.1</b>
PLATFORM SUPPORT*	<b>Windows NT 4.0, 2000 Solaris 8 and 9 UltraSPARC Red Hat Linux 7.2, 7.3 SecurePlatform</b>

\*Nokia IPSO VPN-1 Accelerator Card available through Nokia.

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