



5556 PCI Security Co-Processor

Carrier Grade IPSec Performance for Space Constrained Applications

FEATURES

PCI low profile, 64-bit short card

Based on Hifn 7956 Security Co-Processor

High Performance

- IPSec 3DES/SHA1: 523Mbps (1500-byte)
- IPSec AES/SHA1: 525Mbps (1500-byte)

Standard full size PCI face plate

True Random Number Generator

RoHS Complaint

Supports all Major Security and Compression Protocols

- AH
- ESP
- AH+ESP
- 128/192/256-bit AES, DES, 3DES, ARC4
- SHA-1 and MD5 hashing and authentication

APPLICATIONS

VPN Broadband Routers

VPN Edge Routers/Gateways

Customer Premise Equipment (CPE)

Wireless Access Points

Firewall/VPN Appliances

Wireless Applications

Reduces Processor Overhead

The 5556 Network Security Co-Processor performs transactional processing required for inspecting, decrypting, encrypting, and compressing the header and contents of an individual packet, on-board, without having to rely on the CPU to manage routing functions.

Flexible Architecture Performance

Designed for systems that have space and form factor constraints, the 5556 Network Security Co-Processor provides IPSec performance for carrier-grade applications.

Cost Effective

The low price and high performance qualities of the 5556 Network Security Co-Processor make it one of the best price-to-performance values in the industry.





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Hardware

The 5556 Network Security Co-Processor is designed to meet the IPSec performance requirements for systems that have space and form factor constraints. The 5556 is designed around the Hifn 7956 Security Processor, accelerating a variety of IPSec, and SSL/TSL protocols including DES, 3DES, AES (128, 192, and 256-bit, with counter mode support), MD5, SHA-1, true Random Number Generation, and Public Key.

Algorithms Supported

Encryption:

- AES
- DES
- 3DES
- ARC4

Authentication:

- SHA-1, MD-5

Public Key:

- RSA, DSA, SSL, IKE

Interphase Customer Service and Support

All Interphase products are backed by support programs designed to deliver maximized uptime for our customers worldwide. Included are standard and extended product warranty packages, standard and enhanced "7x24" live technical assistance, and free Web-based online support for the life of the product, including technical notes, downloadable driver enhancements, and information on new product releases. Interphase customer support ensures investment protection for your networking, remote access and mass storage connectivity.

Technical Specifications

Architecture

Processor	Hifn 7956 Security Processor
Form Factor	PCI low profile
Bus Type	PCI
Data Transfer	64-bit/66MHz

Mechanical

Length	6.4 in (162.5 mm)
Width	2.2 in (55.9 mm)
Indicators	Power On

Operating Environment

Power Consumption	3.3 W @ 3.3 VDC (1.0A) 0.05 W @ 5.0 VDC (0.01A)
Temperature	0° to 55° C (32 to 131° F)
Relative Humidity	10% to 95% non-condensing
Altitude	0 - 15,000 ft

6/7/10

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About Interphase Corporation

Interphase Corporation (NASDAQ: INPH) delivers solutions for network connectivity, interworking, and packet processing for key applications for the communications, Mil/Aero, and enterprise markets. Founded in 1974, Interphase provides expert customization services and contract manufacturing, in addition to its COTS portfolio, and plays a leadership role in next generation AdvancedTCA® (ATCA), AdvancedMC™ (AMC), PCI-X, and PCIe standards and solutions. Interphase is headquartered in Plano, Texas, with sales offices across the globe.

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