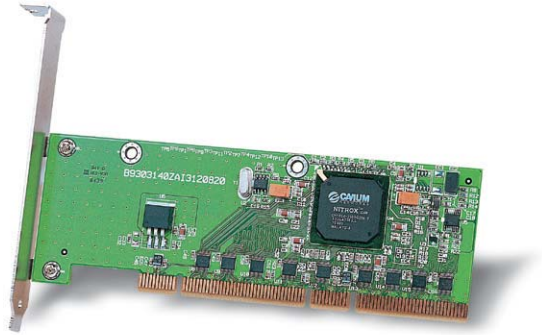
ABC-200

High performance IPSec and SSL accelerator PCI-X card with Cavium CN1010X



FEATURE

- Support 64-bit/100MHz PCI-X bus
- Multi Algorithm support
- Multi Protocol support: IPSec & SSL
- Support unlimited SSL sessions and IPSec SAs with host memory
- On chip true Random Number Generator
- Software drivers for Linux, BSD and VxWorks

SPECIFICATION

Crypto Chip	- Cavium CN1010-350BG256-X
PCI Bus	- Compliant with PCI-X 1.0, 64bit/100MHz bus
Algorithm Support	- RSA and Diffie-Hellman - DES/3DES, AES, ARC4 - MD5, SHA-1, HMAC-MD5, HMAC-SHA-1
Protocol Support	- Macro support for IPSec and IKE - Macro support for SSL, TLS and WTLS
Driver Support	- Linux - BSD - VxWorks/Windows
Performance	- 12K 1024bit Diffie Hellman ops/sec - 7K 1024bit RSA operations/sec - Full SSL record throughput 1Gbps (ARC4+MD5) - Full IPSec packet processing 1Gbps (AES/3DES+SHA1)
Dimension	56(W) x 164(L) mm; 2.2"(W) x 6.46"(L)

ORDERING GUIDE

Part No.	Description
ABC-200	Crypto accelerator PCI-X card with Cavium CN1010X