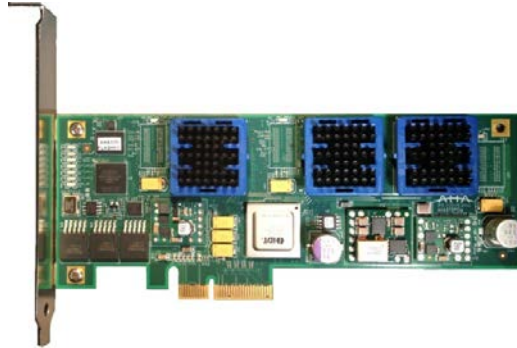


AHA600PCle

10.0 Gbps Crypto Accelerator



INTRODUCTION

The AHA600 is a PCI Express plug-in card that accelerates cryptographic functions for network appliances and communications systems. Compute intensive crypto algorithms normally handled in software are off-loaded to the accelerator card, freeing the CPU for other tasks.

FEATURES

- 6 independent channels
- PCIE 2.0 x4
- Highly optimized Scatter/Gather DMA

Throughput

Algorithm	Throughput
MD5 Hashing	6.5 Gbps
SHA-1	5.2 Gbps
SHA-224, SHA-256	6.4 Gbps
SHA-384, SHA-512	10.2 Gbps
AES-256 (CBC, ECB, CTR)	6.5 Gbps
AES-128 (CBC, ECB, CTR)	8.6 Gbps

Custom, single function boards available with up to 50% increase in throughput.

FUNCTIONAL DESCRIPTION

This device is a four lane PCI Express 2.0 plug-in card that incorporates AHA's AES, SHA, and MD5 crypto technology and Scatter/Gather DMA interface. Each algorithm has its own dedicated DMA channel, which can be used concurrently or independently.

SOFTWARE SUPPORT

- Linux reference drivers with source code

APPLICATIONS

- Network appliances
- Communications systems
- Security

ORDERING INFORMATION

Part Number	Description
AHA600-PCle	10 Gbps Crypto Accelerator

ABOUT AHA

AHA Products Group (AHA) of Comtech EF Data Corporation has been setting the standard in Forward Error Correction and Lossless Data Compression for over 25 years and provides flexible and cost effective solutions for today's growing bandwidth and reliability challenges. Comtech EF Data is a wholly owned subsidiary of Comtech Telecommunications Corporation (NASDAQ: CMTL).



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