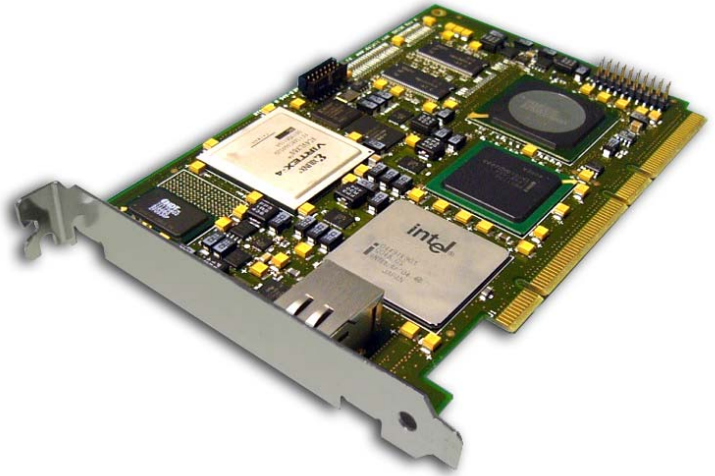


PRODUCT DESCRIPTION

The DH150K is a PCI module designed to efficiently offload XML and crypto processing tasks from the main server/server CPU. It is optimised to provide a balanced solution addressing the bottlenecks and security issues that arise when dealing with large volumes of XML and Web Services traffic. XML acceleration is an essential component of high performance Web Services Gateways, XML Firewalls, and Web Services Application Servers. Specifically, the DH150K accelerates XML parsing, XPath expressions, WSS (Web Services Security) and SSL functions simultaneously.



FEATURES & BENEFITS

Ultra-High Performance

- The combination of Intel* Network Processor and Dajeil's XML Parallel Processor provides a unique architecture, delivering orders of magnitude performance increase over software only solutions.

Where the DH15K excels!

- **Parallel Processing** of multiple SOAP messages/XML Documents.
- **Parsing** - Well-formedness and character encoding checked during DOM creation.
- **Fast Random Access** to XML element names, attributes and content.
- **Accelerated XPath** - XPath expressions are evaluated during parsing with results available on completion of parse.
- **WSS Encryption/Decryption/Sign/Verify**
- **SSL acceleration** of OpenSSL and Sun JCE.

Enhanced Security

- The DH15K is an embedded design, therefore more immune to attack than appliance based software.

An Essential ingredient for Web Services Gateways and XML Firewalls

- Frees up cycles in Appliance's main CPU for other processing functions
- Boosts Appliance performance in the critical areas of XML and SOAP message processing (validation, filtering, transformation etc.) and Security.
- Overall benefit to Appliance is increased throughput, security and advanced management facilities.

Ease of Integration

- Java applications can use Dajeil's acceleration through the standard JCE, JAXP DOM and XPath interfaces
- The kit also includes an SDK with simple APIs and standard software components for Java and C
- Operating System support includes Linux (2.4 and 2.6)
- Standard PCI-X short card (plug and play) for easy installation.
- XML and Web Services Standards conformance ensures Interoperability.

SPECIFICATIONS

General

PCI-X short card fitting most rack servers and appliances

Performance

XML Parsing	1 Gbps
XPath	1 Gbps
Crypto	1,500 2048-bit (or 11,000 1024-bit) RSA operations per second

Interfaces and Management

Bus type	PCI-X
OS Support	Linux 2.4, 2.6
Java API support	JAXP DOM, JCE, Dajeil API
C API support	OpenSSL, Dajeil API

Environmental

Operating temperature:	5 - 45 degrees centigrade
Operating Humidity:	85% at 45 degrees centigrade
Power consumption:	10 Watts

Approvals

CE Mark, UL, FCC class A

** All registered trade marks are respected*

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Set up in 2003, Dajeil has become synonymous with a commitment to excellence, innovation and quality. Today, XML and Web Services Appliances are being installed by major blue chip companies in Europe, U.S.A. and the Far East. We are building our name in some of the toughest and most technically demanding markets in the world.