

PRODUCT DESCRIPTION

The Dajeil Networked Accelerator (DNA) is a network appliance used to increase the throughput of SOA and XML/WSS intensive applications by allowing them offload their most CPU intensive operations. The product uses Dajeil's innovative XML processing technology enabling multi-gigabit XML processing at lightning speeds. XML acceleration has become an essential component of high performance Web Services and SOA applications. Specifically, the DNA accelerates XML parsing, XPath expressions, Schema validation, Transforms, WSS (Web Services Security) and SSL functions simultaneously.



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FEATURES & BENEFITS

An Essential ingredient for Web Services and SOA Applications

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

High Performance Platform

- Two multi-core Xeons, 2GB Memory and 73GB 10K rpm sata disk.
- DH15K XML and security acceleration subsystem delivering orders of magnitude performance increase over software only solutions.
- Dajeil's Hardened Appliance Linux optimised for this server platform.
- Remote management and upgrade utilities.
- High availability and load balancing option.

Ease of Integration

- Java applications can use Dajeil's acceleration through the standard JCE, JAXP interfaces
- The kit also includes an SDK with simple APIs and standard software components for Java and C
- Operating System support includes Linux, Windows, HP-UX, Solaris
- XML and Web Services Standards conformance ensures Interoperability

Where the DNA excels!

- **Parallel Processing** of multiple SOAP messages/XML Documents
- **Parsing/Validation** JAXP - DOM, SAX, StAX
- **Accelerated XPath** - Fast access to independent elements and attributes (JAXP)
- **Schema Validation** - Validation of documents against W3C XML schema is available to applications (JAXP)
- **Transformation** - Creating the desired output document, or internal representation for other B2B applications (TrAX)
- **WSS Encryption/Decryption/Sign/Verify**
- **Hardware Public-key** acceleration (Java JCE)
- **Web UI** for remote upgrade & management

SPECIFICATIONS

XML & Web Services Processing

XML & Web Services Standards :

XML 1.0, 1.1	XML Schema	XSLT 1.0	XPath 1.0
SOAP 1.2	WSS 1.0	XACML 1.0	SAML 1.0, 1.1

XML Encryption and XML Digital Signatures

Public-key Processing

Supported APIs : OpenSSL JCE PKCS#11 JAXP (DOM, SAX, StAX, TrAX)

Interfaces and Management

Network Interfaces: 2 x 10/100/Gigabit Ethernet Ports

Serial Console Command Line Interface

Secure Web GUI SNMP (MIB I, II)

Web User Interface

Platform

19-inch rack 1U form factor Two multi-core Intel Xeon Processors

Memory to 16 GB Hot Plug SCSI HDD Option

DH15K Security and XML Acceleration PCI-X card

Power consumption: 100-240VAC 50/60 Hz, 1A.

Approvals

CE Mark, UL 1950, FCC

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.