

## PRODUCT DESCRIPTION

For software vendors of XML and/or PKI intensive applications, the DXP is a high performance packaged hardware and software appliance platform, which facilitates the fast-to-market release of appliance solutions. The performance boost is primarily obtained from Dajeil's DH15K XML and security accelerator subsystem. The DXP consists of appliance hardware, DH15K accelerator card, hardened appliance Linux, remote upgrade and management facilities, application integration assistance, documentation and packaging branded to the requirements of the vendor.



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## FEATURES & BENEFITS

### Why a software vendor may consider release of an Appliance solution ?

The DXP provides a dedicated secure predictable environment for application execution. The combination of hardware and software infrastructure can be tailored to suit the network connectivity, security and performance requirements of the specific application to an extent not possible in a general purpose server system. Software comes pre-installed. The operating system is already hardened. Upgrades are digitally signed, and appliance configuration is strictly controlled. The result is faster deployment greater security and reduced maintenance.

### High Performance Platform

- Two Dual-core 3GHz Xeons, 667 FSB with 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.

### Turn-key Branded Solution.

Dajeil provide a turn-key solution consisting of the following:

- Application Integration assistance
- Appliance documentation including Quick Start Guide, User Guide and Regulatory Compliance Statements
- Branding of Appliance and Packaging
- Build and Ship service
- Second Level Support & Warranty management

### Where the DXP excels!

- **Parallel Processing** of multiple SOAP messages/XML Documents
- **Parsing/Validation** - Well-formedness, character representation, schema validation, random access (DOM-like) to document content
- **Accelerated Xpath** - Fast access to independent elements and attributes
- **Transformation** - Creating the desired output document, or internal representation for other B2B applications
- **WSS Encryption/Decryption/Sign/Verify**
- Hardware **Public-key** acceleration (Java JCE)
- **Hardened Linux** incl. remote upgrade & management
- Acceleration through simple API (Java & C)

## 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

### Interfaces and Management

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

Serial Console          Command Line Interface

Secure Web GUI          SNMP (MIB I, II)

### Platform

19-inch rack 1U form factor      Two dual-core 3.0 GHz Intel Xeon Processors

Memory to 8 GB                      Hot Plug SCSI HDD Option

Security Acceleration options

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.*