



TARARI RAX CONTENT PROCESSOR FACT SHEET

As of May 2004

Company Name: Tarari, Inc. <http://www.tarari.com>

Product Name: Tarari Random Access XML (RAX) Content Processor
Order Code: CPX2023 or CPX2123 – *on board cooling fan included*

Product Summary: Tarari's new RAX Content Processor fundamentally changes the way that XML is processed. It incorporates the first hardware implementation of Random Access XML (RAX) which delivers unprecedented levels of speed and throughput - **up to 200 times** faster than software - in applications such as content routing, publish & subscribe, real-time billing and XML security. RAX enables true random access to critical data in XML messages at high transaction speeds using **near-zero processing time**. Now attacks can be identified, invalid content detected and high-priority items routed, all without burdening the CPU. The Tarari RAX Content Processor resides on a plug and play PCI card which snaps into networking equipment, servers and appliances, and is configured with W3C standards-based XPath expressions, and offers a full API for complex message filtering and transformation.

OEMs and ISVs can immediately implement powerful XML-based solutions that work at gigabit speeds by simply upgrading existing equipment with Tarari's PCI-based processor; future designs can also take advantage of Tarari's single piece of silicon.

Markets: Solution Providers: Network Security, Web Services Security, Web Services – other proxies, e.g. management, messaging, Big switch providers, XML appliances, Financial and other XML centric application server providers, and Managed application server providers.

Example Applications: Gigabit message classification and routing; High transaction rate publish and subscribe; Advanced SOAP message processing; High performance XML security firewalls; and Real-time XML look-up applications such as: teleco ticketing, billing and voice response.

System Requirements: Systems can be single or multi-processor based populated with Pentium* III, Pentium* IV, or Xeon* (or their equivalents) processors.

Product Details:

- Java and C Language APIs
 - Random Access XML
 - Simultaneous XPath
 - SOAP Processing
 - Streaming XML Transformation
 - SSL and XML Security – RSA, 3DES, SHA1, RNG with JCE/JSEE and Open SSL integration
- Content Processing Platform (CPP)
 - Full-height, short-card operating with 3.3 v I/O signal levels on a PCI bus Rev. 2.2
 - Recommended 64-bit/66MHz bus width and speeds
 - UL, CB, FCC Class A, C and VCCI certificates
- Operating Systems and Software Support:
 - Linux Red Hat* 7.2, 7.3 & 8.0 with SMP & non-SMP versions for Linux kernel 2.4.7 and later
- Diagnostic software and tools
- Multi-thread enabled Library
- Easy wizard and script based installation

Technical Support: World-wide support services provided by Tarari. Support provided by contacting the Tarari support teams via email at support@tarari.com or via phone by calling 858.385.5131.

Distribution: World-wide distribution provided by Tarari with primary distribution focused on North America & Europe. Tarari has enabled distribution to Japan & APAC via local distributors.

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