

LSI™ Tarari® Content Processor Boards

250 Mb/s to 20 Gb/s



FEATURES

- XML/RAX/XML Threat Manager™ (XTM) Processing
- Regular Expression/Deep Packet Inspection Processing
- 1 million+ Rules Supported
- No SRAM Required
- Cross-Packet Inspection
- Flow-Through, Low Latency Design
- Rich Inspection Language
- Deterministic Performance

Other Optional Features

- Compression/Decompression
- Character Conversion (UTF-8 to UTF-16)
- Cryptography Suite
- RSA, AES/DES/3DES, SHA-1, RNG

LSI Added Feature

- A family of silicon chips for your own designs

The LSI Tarari family of Content Processor boards fully support Tarari T10 Technology. These content processor boards use the PCIe®, MINI PCIe™, MINI PCI™, PCI-X™, and AdvancedMC™ form factors to provide a wide range of high-level performance for network security and XML processing tasks.

The LSI acceleration delivers wire-speed network security and XML applications for simpler expansion of existing customer bases, shorter time to market, and easier adoption.

The Recommended Applications

- Intrusion Detection/Prevention (IDS/IPS)
- Anti-Virus, Anti-Spam, Content Filtering
- Content-based Routing (CBR) and switching
- Content-based Billing, Bandwidth Management
- Application Firewalls and Security Gateways
- Compliance (e.g., Sarbanes-Oxley, HIPAA)
- Database Interfaces (Datamarts)
- VoIP Billing/Management & Secure Archiving
- XML/SOA/Firewalls/Gateways/Routers
 - XML Security
 - XML Schema Validation
 - XSLT & XML XPath
- XML Threat Manager



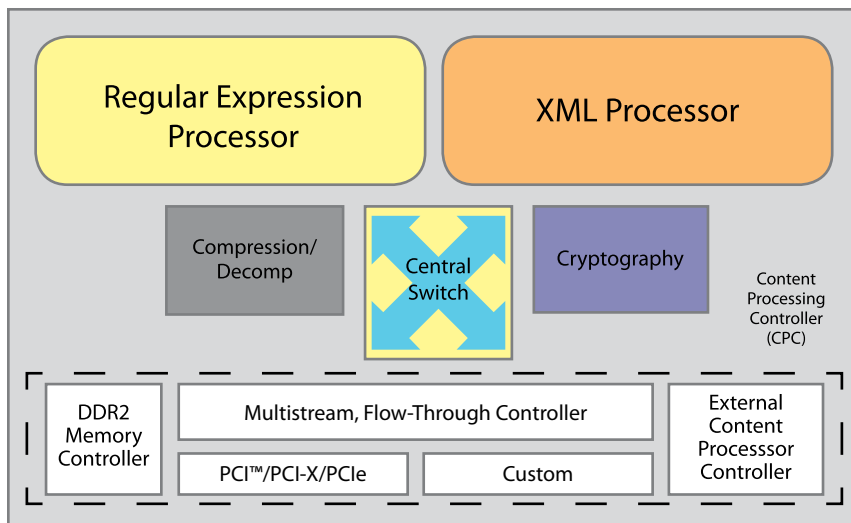
LSI Tarari 8500



LSI Tarari 8300



LSI Tarari T10 Technology Block Diagram



KEY BENEFITS

- Multi-gigabit performance
- T10 Technology support
- SRAM-less operation
- Low power
- Compatible API across all range of products
- Single software codebase
- Rich regular expression language
- Deterministic performance
- Increased available CPU cycles
- Non blocking and synchronous modes
- Up to 1M RegEx rules processed simultaneously
- Low latency

SAMPLE CONFIGURATIONS:

Part Number	Performance	Form Factor
LCPX 13xx	1.5 to 3 Gb/s	PCI-X 64-bit, 133 Mhz
LCPX 79xx	250 Mb/s to 3 Gb/s	MINI PCI
LCPX 83xx	1.5 Gb/s to 3 Gb/s	Low profile PCIe 1/2 lane
LCPX 85xx	XML only	Low profile PCIe 1/4/8 lane
LCPX 86xx	6 Gb/s to 20 Gb/s	Low-profile & Full-height PCIe 4/8 lane
LCPX 88xx	3 Gb/s to 12 Gb/s	AdvancedMC 4/8 lane
LCPX 89xx	250 Mb/s to 3 Gb/s	MINI PCIe 1/2 lane

SPECIFICATIONS:

Power	Low power dissipation — 5 W to 20 W (est.)
Thermal	Operating temperature — 0 to 35°C
Standards	UL, CB, FCC Class A, CE, RoHS-6 and VCCI Certificates

For more information and sales office locations, please visit the LSI web sites at: lsi.com lsi.com/contacts

LSI, the LSI logo, and XML Threat Manager are trademarks or registered trademarks of LSI Corporation.

All other brand and product names may be trademarks of their respective companies. LSI Corporation reserves the right to make changes to any products and services herein at any time without notice. LSI does not assume any responsibility or liability arising out of the application or use of any product or service described herein, except as expressly agreed to in writing by LSI; nor does the purchase, lease, or use of a product or service from LSI convey a license under any patent rights, copyrights, trademark rights, or any other of the intellectual property rights of LSI or of third parties.

Copyright ©2009 by LSI Corporation. All rights reserved.
April 2009

