

SECURITY ANALYTICS ACCELERATOR CARD



Hyperion is a PCIe Accelerator card and is designed for high throughput, low latency applications that require Regular Expression (RegEx) pattern matching. It is a unique, hardware accelerated solution for Security Analytics Acceleration (SAA) and content processing.

KEY FEATURES.....

- ❖ Bandwidth card versions for 20G and 40G
- ❖ Supports up to 1 million rules
- ❖ Supports POSIX/PCRE compatible regular expressions
- ❖ Comprehensive SDK including:
 - RXP Compiler
 - Application Programming Interface (API)
 - Reference applications
 - Utilities
- ❖ Interface: PCIe
- ❖ Run-time full and partial ruleset update

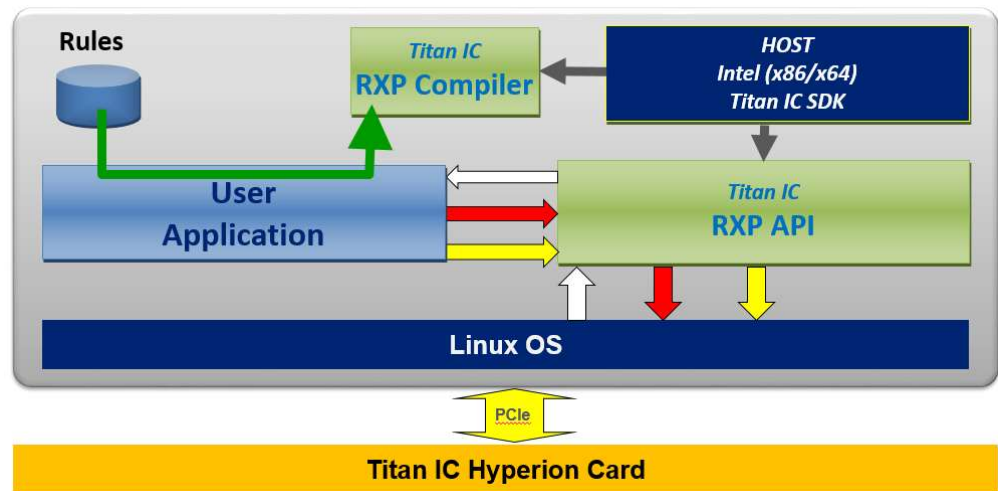
KEY BENEFITS.....

- ❖ Complex and comprehensive pattern matching at line speed
- ❖ Significant CPU offload, freeing host processor for other tasks
- ❖ Reduced capital costs
- ❖ Lower heat dissipation and operating costs
- ❖ Comprehensive set of APIs optimized for Intel based platforms
- ❖ Commercial off the shelf solution reduces engineering effort, costs and time to market

APPLICATIONS.....

- ❖ Security Analytics Acceleration (SAA)
- ❖ Next Generation Firewall (NGFW)
- ❖ Deep Packet Inspection (DPI)
- ❖ Deep Flow Inspection (DFI)
- ❖ Intrusion Prevention System (IPS)
- ❖ Distributed Denial of Service (DDoS) Mitigation
- ❖ SmartNIC
- ❖ Network Monitoring
- ❖ Data Loss Prevention (DLP)
- ❖ Advanced auditing of user/application security policies
- ❖ Rule based content processing for spam, URL, adware
- ❖ Financial data mining – parsing of streamed financial feeds

DATA FLOW.....



SPECIFICATION

The specification for each of the Hyperion card versions T1 and T2 are below:

Product Name	Hyperion T1	Hyperion T2
Bandwidth	20 Gb/s	40 Gb/s
Host Interface	PCI Express v3.0 8-lane	PCI Express v3.0 8-lane
Memory Devices	1 x 2 GByte DDR3 72-bit	1 x 2 GByte DDR3 72-bit
Power	25 W	35 W
Card Size	full height, ½ length PCIe	full height, ½ length PCIe

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