

HYPERION

SECURITY ANALYTICS ACCELERATOR CARD



Easily incorporate unique RXP technology with this PCIe accelerator card

Offload and accelerate the analysis of networks and detection of threats

Perform many thousands of complex, parallel searches at line speed

Hyperion is a PCIe Accelerator card designed for high throughput, low latency Deep Packet Inspection (DPI) applications that require Regular Expression (RegEx) pattern matching and string matching.

It offers a unique, hardware accelerated pattern matching solution for cyber security analytics acceleration and content processing.

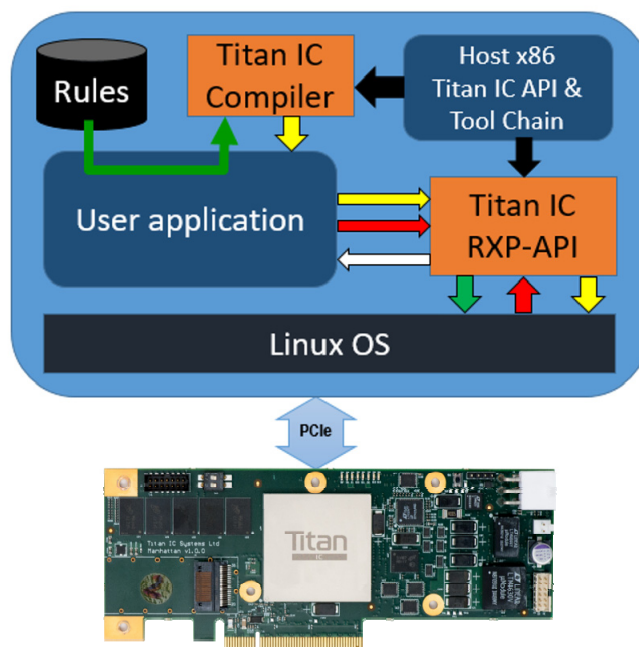
HIGHLIGHTS.....

- **Accelerated Throughput** - perform complex data searches at speeds up to 40Gb/s
- **In-depth Packet Inspection** - complex and comprehensive pattern matching
- **High Capacity Content Analysis** - supports up to 1M RegEx rules
- **CPU Offload** - offload of data analytic functions from host CPU freeing up CPU cores and saving costs
- **High Throughput Performance per Watt** - reduced heat dissipation and operating costs
- **Easy Compatibility** - supports POSIX/PCRE compatible regular expressions to detect malware, enforce blacklists and run Snort or customer-defined RegEx datasets
- **Off-the-Shelf** solution - reduces engineering effort, costs & time-to-market

APPLICATIONS.....

- Security analytics acceleration
- Next Generation Firewall (NGFW)
- Intrusion Prevention System (IPS)
- Distributed Denial of Service (DDoS) Mitigation
- Network Monitoring
- Data Loss Prevention (DLP)
- Advanced auditing of user/application security policies
- Rule based content processing for spam, URL and adware
- Financial data mining – parsing of streamed financial feeds
- Log File Analytics

DATA FLOW



SPECIFICATION

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

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