

# HYPERION II

ULTRA FAST SECURITY ANALYTICS ACCELERATOR CARD



*In-depth, complex, parallel content analysis at speeds of up to 100Gb/s*

*Offload and accelerate the analysis of networks and detection of threats*

*All the power of RXP available on industry-standard Xilinx Accelerator card*

Designed for Deep Packet Inspection (DPI) applications that require Regular Expression (RegEx) pattern matching and string matching, RXP technology is unique in its ability to handle combinations of high throughput, rule depth, and complexity.

Now, the Hyperion II makes RXP technology available on the industry-standard Alveo U200, a production-ready accelerator card from Xilinx designed to meet the needs of the modern security and data center.

Operating at up to 100Gbps, Hyperion II sets a new benchmark in both throughput and performance, enabling the processing of up to 2 million rules with powerful and flexible pre-filters enabling “AnyPrefix” and “ReverseScan” technology.

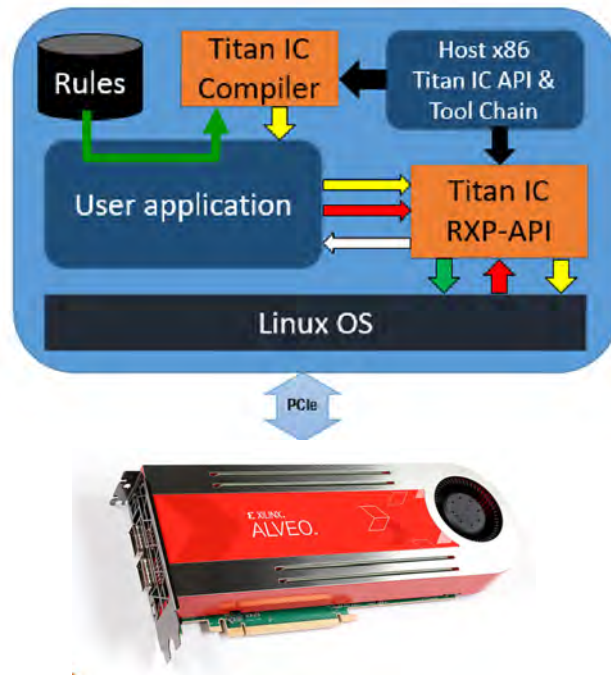
## HIGHLIGHTS .....

- **Accelerated Throughput** - perform complex data searches at speeds up to 100Gb/s
- **In-depth Packet Inspection** - complex and comprehensive pattern matching
- **High Capacity Content Analysis** - supports up to 2 million 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 & 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
- Data Loss Prevention (DLP)
- Financial data mining – parsing of streamed financial feeds
- Advanced auditing of user/application security policies
- Rule based content processing for spam, URL and adware
- Lawful Interception
- Log File Analytics

## DATA FLOW .....



## SPECIFICATION .....

Product Name	Hyperion II
Bandwidth	100 Gb/s
Host Interface	PCIe Gen 3 x 16 lane
RXP Memory Requirements	2 GByte
Power	225W
Card Size	Full length, full height, dual slot

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