

# Network Visibility Enables Real-Time Monitoring

## Across Cloud, On-Premise and Hybrid Services



The State of Arizona needed a centralized, real-time view across multiple data centers so they turned to IntellaFlex XR by APCON to capture, filter and aggregate network traffic to analysis tools such as Splunk® Enterprise which is used as a dashboard and for alerting and reporting.



“APCON’s network packet aggregation combined with Splunk’s analysis tools provide a comprehensive picture of what’s happening on our network.”

— Dan W., Senior Security Engineer, State of Arizona

### APCON INTELLAFLEX XR INTELLIGENT NETWORK MONITORING

With APCON’s intelligent network monitoring and packet aggregation switching technology, network managers and security teams can share an inventory of expensive monitoring tools, often distributed across multiple locations, while preventing oversubscription and data loss.

The IntellaFlex XR network monitoring switch is the solution to enterprise-grade requirements in the data center. IntellaFlex XR network monitoring switches deliver up to 504 non-blocking 10 Gbps Ethernet ports, and port speeds ranging from 100M to 100G Ethernet.

- Complete network visibility
- Share monitoring and security tools
- 1G, 10G, 40G, and 100G speed ports
- Scalable systems up to 504 Ethernet ports
- Aggregate, filter, and load balance
- Deduplication, packet slicing, time stamping
- Traffic capture, storage and analysis options
- NetFlow generation
- Deep Packet Inspection
- Tunnel termination for virtual network monitoring
- Easy-to-use WebXR GUI and TitanXR multi-switch management

### SPLUNK ENTERPRISE REAL-TIME OPERATIONAL INTELLIGENCE

Turn data into answers with Splunk® software, which transforms machine-generated data into valuable insights to help make businesses more productive, profitable and secure. Splunk software makes it easy to search, analyze and visualize massive streams of machine data generated from virtually any source, such as storage systems, network traffic, web servers, custom applications, sensors and more. A wide range of industries and organizations use Splunk software to gain valuable business and customer insights, mitigate cybersecurity risk, efficiently manage their datacenters and reduce costs.

- Analyze, monitor and search any kind of data in near real time to prevent issues before they happen
- Ingest, manage and move any data to and from Splunk amplifying existing investments in technology and big data
- Investigate and explore data across broader set of functions spanning from IT and security to business analytics

# JOINT SOLUTION BENEFITS

## INTELLAFLEX XR WITH SPLUNK ENTERPRISE

### CONTINUOUS NETWORK VISIBILITY

IntellaFlex captures all traffic of interest from anywhere in the network and provides full packet visibility to Splunk Enterprise.

### PACKET CONDITIONING

As network administrators span and tap various parts of their networks to feed into their network monitoring tools, they create a lot of duplicate packets. The deduplication feature included in the IntellaFlex reduces stress on the Splunk Enterprise system by eliminating duplicates.

### VIRTUAL NETWORK VISIBILITY

IntellaFlex provides the ability to aggregate and monitor encapsulated traffic from virtual machines in the network via GRE termination. The IntellaFlex also provides GRE decapsulation and aggregation of up to 100GB processing for forwarding of virtual network traffic to Splunk Enterprise Monitoring system.

### PCI DSS COMPLIANCE

Splunk Enterprise not only monitors known data flows in and out of the cardholder data environment, but also identifies undocumented data flows, particularly of unencrypted payment card information.

### MONITOR, ALERT AND REPORT

For continuous monitoring in real time to discover assets and detect anomalous activity, IntellaFlex with Splunk Enterprise acts as a sensor in Splunk's continuous network monitoring solution.

#### ABOUT APCON

For more than 20 years, APCON has consistently delivered smart, stable and scalable technology solutions that provide an unparalleled level of confidence to service providers and businesses seeking total data center visibility and security. Its customers range from midsize companies to Fortune 1000 enterprises in more than 40 countries.

#### ABOUT SPLUNK

Splunk Inc. (NASDAQ: SPLK) helps organizations ask questions, get answers, take actions and achieve business outcomes from their data. Organizations use market-leading Splunk solutions with machine learning to monitor, investigate and act on all forms of business, IT, security, and Internet of Things data. For more information, visit: [www.splunk.com](http://www.splunk.com)

## WHY IS APCON A COMPLEMENT TO SPLUNK?

### APCON DELIVERS:

#### INNOVATION

- Modular switch design based on large enterprise data center requirements
- Patented aggregation and filtering technology
- Advanced features include time stamping, packet slicing, multi-stage filtering, data rate conversion, protocol stripping, load balancing, NetFlow generation, pattern matching and tunnel termination.
- Advanced WebXR graphical user interface
- Unique TitanXR multi-switch management software
- Common software and hardware across all chassis simplifies operations

#### RELIABILITY

- Redundant controller and power supplies
- Separate data and control plane architecture maintains connections during controller swap
- Hot-swappable power supplies, blades, controllers, transceivers

#### SCALABILITY

- Five sizes of chassis from 1RU to 14RU
- Up to 504 ports in 14RU
- Up to 5.04 Tbps throughput capacity

#### 100G ETHERNET MONITORING

- IntellaFlex XR makes it easy to monitor high-speed networks, including 100G Ethernet, with existing security and performance monitoring tools

