



DATASHEET

COMBINED SECURITY AND VISIBILITY SOLUTIONS FOR NETWORKS

ThreatGuard on the IntellaStore® IV Security Appliance

PRODUCT FEATURES:

Security Software

Use APCON's security application to monitor the network for threats.

Traffic Monitoring

Set data triggers to initiate packet captures based on user criteria.

Storage Capacity

Store targeted network traffic directly on the appliance or on your external storage devices.

KEY BENEFITS:

One-Stop Security Device

Get the benefits of a robust security solution without the need to manage multiple devices. Monitor traffic, detect threats, and record suspicious activity for later analysis, all in one appliance.

Rapidly Detect Threats

Quickly detect network threats as soon as they appear to minimize damage.

Enhance Network Traffic Visibility

Collect, filter, and optimize network traffic to gain better insights into what types of traffic is flowing through the network.

Record Network Events of Interest

Set up custom filters and scenarios that activate the recording of suspicious traffic to help identify the patterns and sources of intrusions.

A SINGLE APPLIANCE FOR NETWORK SECURITY AND TRAFFIC OBSERVABILITY

APCON's IntellaStore® IV security appliance featuring ThreatGuard is an indispensable investment in network security. This revolutionary product streamlines network security monitoring, accelerates detection of threats and vulnerabilities, and makes existing network tools more effective through traffic optimization features.

Key Features of the IntellaStore® IV and ThreatGuard Solution:

- Real-Time Detection of Network Threats and Vulnerabilities
- Configurable Settings and Security Tool Integration
- Intuitive Dashboards and Inspection Features
- Record Traffic Data from Individual Sessions for Future Review
- Initiate Packet Captures Based on Specific, User-Selected Criteria

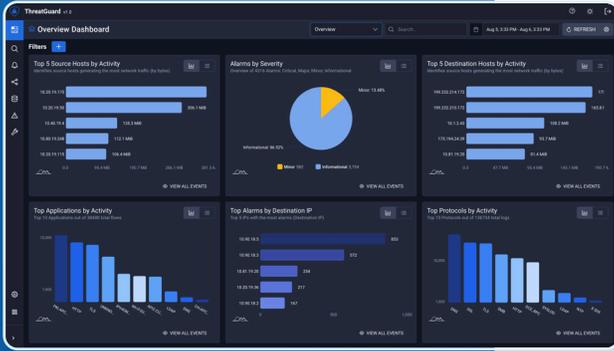
SECURITY SOFTWARE MANAGEMENT

APCON's ThreatGuard security software runs on a local server within the IntellaStore® IV, offering advanced network security monitoring with deep packet inspection, threat detection, and security tool integration.

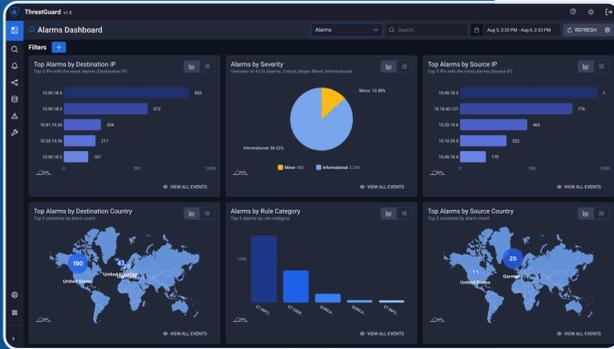
ThreatGuard allows administrators to review live and recorded traffic sessions with powerful security features using an intuitive interface accessible from a browser or terminal to provide key insight into the security status of the network, and ensure rapid detection and response to threats with detailed visibility into network activity, all from one compact, high-performance APCON device.



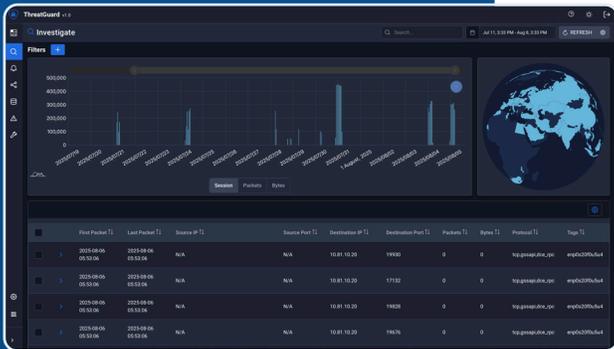
IntellaStore® IV Appliance and ThreatGuard Software



Configurable Security Snapshot Dashboards



Intrusion Detection System Module



Investigate Traffic Sessions and Metadata



Interactive Chart of Connected Network Devices

ADVANCED SECURITY FEATURES

Track Critical Data Points With Specialized Dashboards

ThreatGuard provides high-level summaries and charts of real-time and recorded network activity and security status to give users a snapshot of what is happening on the network and provide the necessary details to take action.

Detect Network Threats, Vulnerable Hosts and Processes

Network attacks are detected using deep inspection of packets and the analysis of traffic behavior, enabling rapid response to mitigate threats.

- **Deep Packet Inspection:** Looks inside packets to identify malicious patterns, unusual protocols, and intrusions
- **Real-Time Email Alerts:** Integrates data with intrusion detection systems to send immediate alerts of potential threats
- **Mobile Notifications:** Allows a remote user to respond to triggered packet captures on a mobile device using the IntellaView Mobile App

Detect Potential Threats Earlier with Monitoring Tools

By identifying vulnerabilities on your network, security administrators can patch or isolate the system before a full-fledged attack is carried out successfully.

- **Threat Detection Dashboard:** Displays detected threats and provides the tools to dive deeper into source and protocol details of the threat
- **Monitor Activities:** Tracks network processes and activities on the network to detect suspicious or unusual events

Easily Configure Your Security Parameters

Administrators can quickly apply pre-defined rules from industry-standard security tools to scan incoming traffic for known threats and unusual behaviors. Users can further upload customized scripts to enhance their threat detection.

- **Rule-Based Detection:** Detect threats through customizable intrusion-detection rule integration with security tools

Get Insight Into What Traffic Is On The Network

Dashboards display session metadata, making it easier to identify sessions involving a dangerous IP address during a breach.

- **Detailed Metadata Extraction:** Collects metadata from network sessions, such as source/destination IPs, protocols, time duration, data volume, and more, for viewing and investigating
- **Connection Graph:** Uses network logs to identify all connected devices such as routers, switches, servers, and endpoints to help visualize how devices are connected within the network and provide critical details to help pinpoint suspicious device access and target security investigations
- **Certificate Management:** ThreatGuard helps maintain secure certificate compliance by highlighting expired certificates in red on the Connections screen; click any red node to access the Certificates tab for a status overview

SECURITY BENEFITS OF NETWORK TRAFFIC MONITORING & OPTIMIZATION

Network traffic monitoring and optimization maximizes the efficiency of ThreatGuard by looking at raw network traffic from multiple sources and only sending data of interest to the security application for effective detection of potential network threats.

APCON specializes in this solution with hardware and software products that provide incredible performance to deliver traffic monitoring and optimization features, and maximizes security processing and storage resources by filtering and optimizing data, as well as by removing unnecessary or sensitive packet payloads and protocols.

Traffic optimization services and security features of ThreatGuard can be easily integrated into an existing security infrastructure and provide network teams with key capabilities to identify suspicious network activities and threats, respond to issues quickly, and protect sensitive data and network integrity.

CREATE CUSTOM TRAFFIC FILTERS, RECORDING OPTIONS, AND ALERTS

Configure monitoring and security parameters with custom filters and settings that activate security alerts and initiate the recording of network events for deeper inspection.

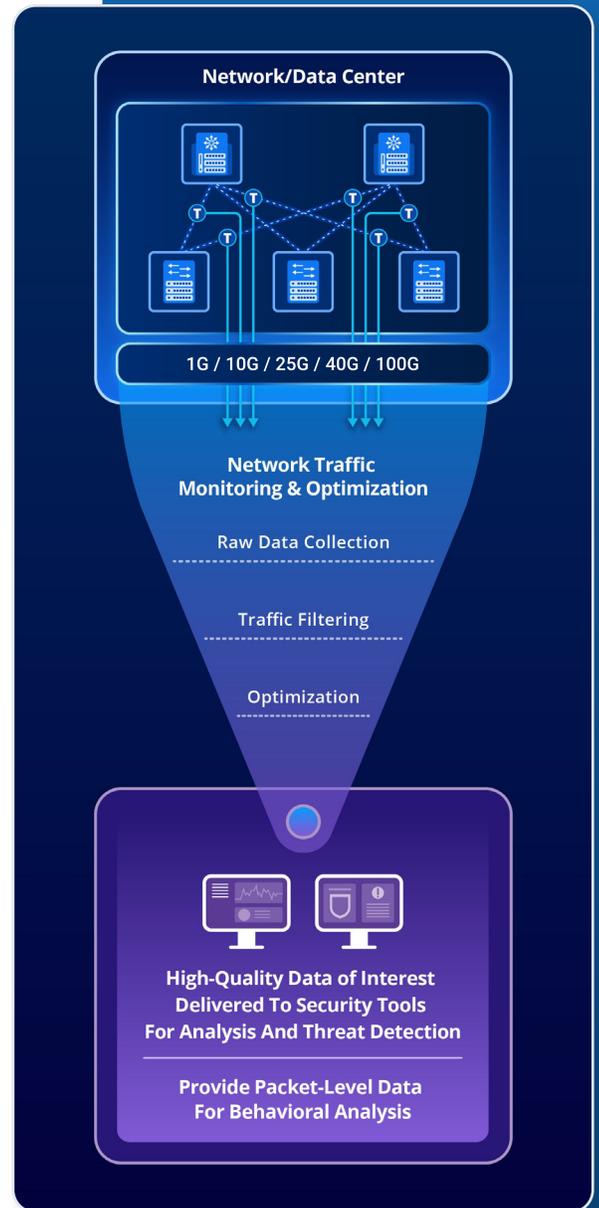
- **Live Filtering:** Filters incoming traffic for data of interest on the traffic monitoring module before it reaches security tools
- **Post-Filtering:** Configures ThreatGuard to inspect live and recorded data feeds, and generate alerts on suspicious activities

DATA CAPTURE AND STORAGE

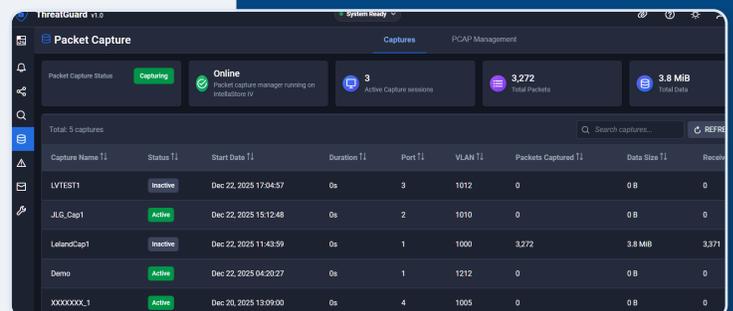
The IntellaStore® IV security appliance can locally record and store suspicious network events for later inspection. ThreatGuard offers an easy way to upload and review recorded data using on-board security features.

Below are some of the key features of the network event capture and storage functionality:

- **Data is stored** using four internal ports, supporting up to 1G/10G of write speed to disk; capable of iSCSI connections for additional external storage
- **Packet Capture Files:** Users can configure auto-start data recordings, upload or download files, analyze, delete, rotate, age out, and buffer packet capture files to preserve only the relevant data
- **Store up to 32TB of data** or additional tools directly on the IntellaStore® IV security appliance
- **Offload data to other devices** using the 4 SFP+ ports on the right side of the front panel for analysis on other security tools and appliances
- **Additional Security Apps** can be added to the security appliance for expanded usability

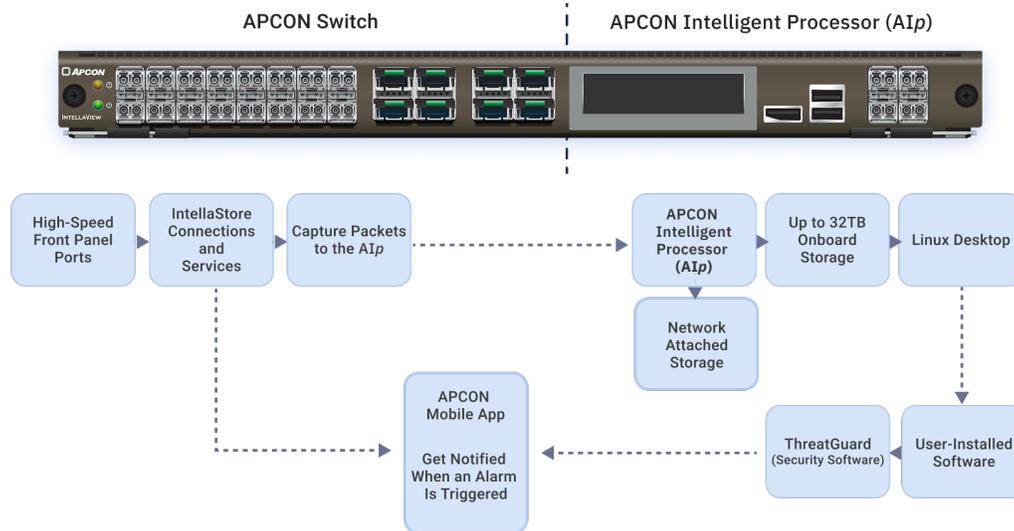


Traffic Monitoring and Optimization Flow



Easily Upload Traffic Data (Live and Recorded)

INTELLASTORE® IV WITH THREATGUARD



HARDWARE BUILT FOR PERFORMANCE

The IntellaStore® IV appliance integrates state-of-the-art features and high-performance hardware into a robust network security and traffic monitoring solution.

The appliance collects traffic from many sources using **16 SFP+ ports supporting 1G/10G/25G** and **8 QSFP28 ports supporting 40G/100G**, which ensures low data latency and no dropped packets.

Filtered and optimized network traffic can be sent to the ThreatGuard software for security monitoring, which runs on a **powerful local server**, and data can be recorded on high-speed internal storage.

Users can access the server via command line, remote desktop client, and an intuitive user interface. Dedicated **Management Ports** are available for directly accessing the server for a secure on-site connection.

INTELLASTORE® IV AND ENTERPRISE: MANAGE SWITCHES WITH EASE

Each IntellaStore® IV security appliance includes an integrated **IntellaStore software interface** for configuring traffic filtering, packet capture, and other key security features. This interface also lets you set trigger conditions to **initiate targeted packet captures and store them** in the appliance for future analysis.

To simplify the management of two or more IntellaStore IV appliances, use **IntellaView Enterprise** switch management software. It streamlines IntellaStore operations and applies configurations across multiple APCON devices. With IntellaView Enterprise, you can perform system **Upgrades**, automate **Scheduling**, receive real-time **Alerts**, manage system **Configurations**, and more—from a single device.

INTELLASTORE® IV SPECIFICATIONS*

| | |
|-----------------------|---|
| CPU | Intel Xeon D series; 12 processing cores |
| Memory | Up to 256G; 64G max RAM per slot x 4 slots |
| Memory Type | DDR4-3200 UDIMM, ECC, ULP |
| Internal Storage | Up to 32TB; 8 storage slots at 4TB |
| Monitoring Ports | 24 total ports - 8 QSFP28 ports (supporting 40G/100G) - 16 SFP+ ports (supporting 1G/10G/25G) |
| Management Ports | 4 SFP+ ports (supporting 1G/10G) - Capable of iSCSI for additional storage 2 USB 3.0 ports and 1 Display port |
| Security Application | ThreatGuard security software is installed on the APCON Intelligent Processor |
| IntellaStore Software | IntellaStore software is installed on the switch side of the IntellaStore® IV appliance |

INTELLASTORE® IV - HOW TO ORDER

| | |
|------------------|---|
| ACI-4235-IS4-2-1 | Appliance with ThreatGuard (12 cores, 64GB RAM, 16TB hard disk) |
| ACI-4235-IS4-2 | Appliance without ThreatGuard |
| ACI-4235-E24-2 | Blade only |
| ACI-9510-001 | ThreatGuard Security Software |

* All features and specifications are subject to change.

