

Unmatched Performance and Reliability for Real-Time Threat Detection and Data Analysis in Any Environment

The Ultimate Solution for High-Speed Data Analysis and Threat Detection

Setting a new standard for performance and reliability in data processing in cybersecurity, The Bellwether Group Inc. integrated its Vimana™ custom servers and Flyaway Kits with Axellio's high-speed traffic capture, storage, and distribution software PacketXpress®. This innovative solution excels with real-time packet capture and distribution at 100 Gbps for superior real-time analysis and threat detection, addressing today's complex challenges with speed and durability, even in remote or hostile locations.

Axellio's PacketXpress is offered on both The Bellwether Group's Vimana custom servers and flyaway kits designed to operate in any environment:

- Vimana™ Custom Servers for high-performance enterprise security, government, and finance needs with real-time monitoring and data processing.
- Vimana™ Custom Flyaway Kits for military, emergency response, and field research with robust data handling in tough environments, allowing for rapid deployment and robust performance in extreme environments.

Key Features

The Vimana™ solutions provide unmatched performance for any application:

- **High-Speed Ingest Technology**
 - **100GB Per Second Throughput:** Equipped with Axellio's advanced high-speed ingest capability, these kits ensure fast and efficient data capture, even in remote or hostile locations.
 - **Real-Time Packet Capture:** Continuous and high-speed packet capture enables immediate data analysis, crucial for maintaining robust cybersecurity defenses.
- **Exceptional Performance**
 - **High Processing Power:** Equipped with cutting-edge processors and ample memory, Vimana™ servers handle intensive tasks and large datasets efficiently.
 - **Scalable Architecture:** Designed to scale with organizational needs, allowing for easy expansion as data volumes and analysis requirements grow.
- **Enhanced Reliability**
 - **Robust Computing Power:** Equipped with high-performance processors and memory to handle intensive data processing and analysis tasks efficiently. Built with redundancy in critical components to ensure high availability and minimize downtime.
 - **Advanced Cooling Solutions:** Efficient thermal management systems prevent overheating and ensure consistent server performance under load.
- **Integrated Threat Hunting**
 - **Real-Time Analysis:** Supports sophisticated analytical tools and algorithms for real-time threat detection and mitigation.
 - **Customizable Alerts and Reporting:** Allows for tailored threat alerts and detailed reporting to facilitate effective decision-making and response.

Benefits

The Vimana™ solutions ensure the threat detection, efficiency you need for rapid deployment and mobility in any environment, from data centers to field applications:

- Superior Threat Detection
 - Proactive Security: Real-time packet capture and analysis help identify and mitigate threats before they impact operations.
 - Accurate Insights: High-speed processing reduces the likelihood of missed or false-positive detections, enhancing overall security effectiveness.
- Enhanced Operations
 - Immediate Data Access: High-speed data ingest and real-time analysis provide field operatives with the timely information needed to make critical decisions.
 - Reduced Latency: Faster data processing and analysis minimize delays in detecting and responding to security incidents
 - Streamlined Workflows: Integrated real-time analysis tools streamline threat hunting processes, allowing security teams to focus on strategic tasks.
- Future-Proof Investment
 - Adaptability: Rugged design ensures reliable operation in diverse and adverse conditions, supporting mission success.
 - Scalability: Vimana™ servers can be easily upgraded or expanded to accommodate evolving data needs and emerging cybersecurity challenges
 - Long-Term Reliability: Durable and reliable design ensures long-term performance and protection, safeguarding your investment in critical infrastructure.

About Us



Axellio mission is to control data overload in time-series analysis systems that monitor for threats to our infrastructure through innovative storage and distribution solutions. Axellio innovative software solutions simultaneously capture, store, analyze, and distribute any streaming data exceeding 100 Gbps in a scalable but extremely small footprint.

For network cybersecurity, Axellio's PacketXpress® provides packet capture, distribution, and analysis, improving the performance, accuracy, and depth of real-time monitoring and forensic analysis.

For Radio Frequency (RF) analysis for markets such as electronic warfare (EW) or Signals Intelligence (SIGINT), Axellio's SensorXpress™ extends the time to capture the electromagnetic spectrum at the widest instantaneous bandwidth.

www.Axellio.com

The Bellwether Group is a Service-Disabled Veteran-Owned Small Business that creates and deploys custom hardware and software capabilities for complex challenges. Known for creativity and technical expertise, we embody the principle of "Not Just Another Sheep," driving innovation to solve complex problems with unique solutions.

We specialize in the Vimana™ product line, offering customizable edge compute hardware, flyaway kits, and high-performance servers tailored to meet clients' specific needs. Our extensive mission experience and technological prowess in ICS, SCADA, IOT, and AI makes us a trusted partner in top-tier cyber operations.

www.thebellwethergroup.com