

# Complete Network Visibility & Intelligent Data Distribution

## Optimize Network Visibility Costs Without Sacrificing Insight

### The Challenge: Too Much Data, Not Enough Usable Insights

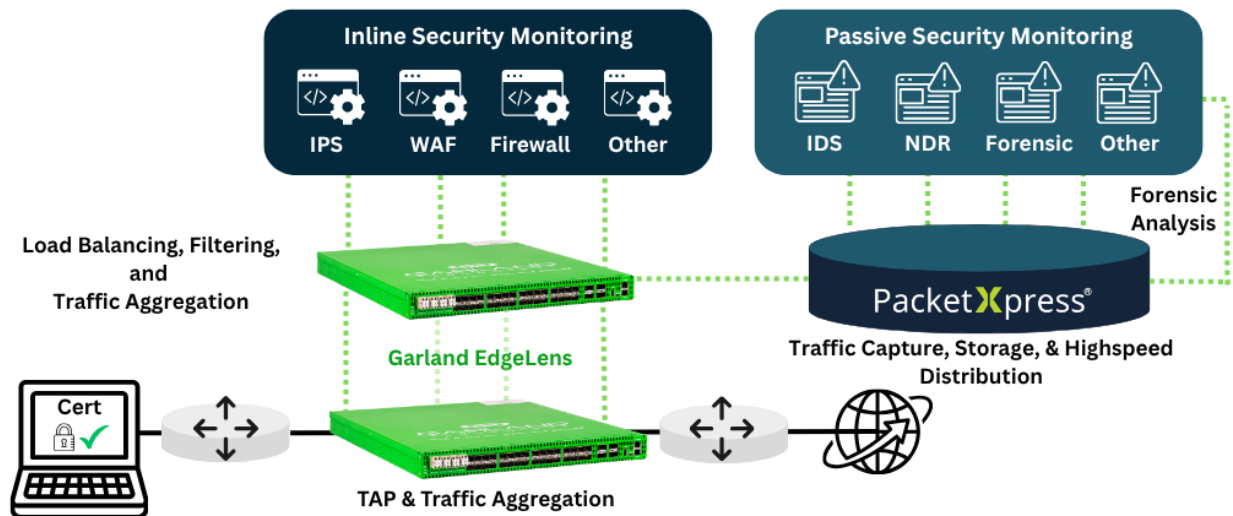
Modern networks are generating unprecedented volumes of packet data across data centers, cloud environments, and distributed infrastructure. At the same time, encryption, east-west traffic, and increasingly complex architectures are making it harder for security and operations teams to maintain full visibility. Traditional monitoring tools are often overwhelmed by high data volumes and traffic spikes, resulting in dropped packets and blind spots that delay detection and response. Organizations face enormous amounts of raw data, gaps in visibility, rising storage and infrastructure costs, and slower investigation cycles due to missing data. The gap between available data and actionable intelligence continues to widen.

### The Solution: Capture Everything and Deliver What Matters

Axellio and Garland Technology deliver a modern approach that shifts the focus from simply collecting data to making data usable at scale. Instead of overwhelming tools with raw packet streams, our joint solution creates a high-performance pipeline that **captures all traffic while intelligently reducing and optimizing what gets delivered downstream.**

This ensures that security and operations teams have complete visibility, without sacrificing performance or efficiency.

- Capture 100% of packet data with zero loss
- Reduce encrypted, unnecessary, and duplicated traffic before analysis
- Deliver optimized data streams at tool-friendly rates
- Maintain simultaneous access to real-time and historical data



## How It Works

The solution is built as a layered visibility and data pipeline, with each component playing a distinct role:

1. **Access (Garland Technology)**  
Garland EdgeLens Inline Packet Broker with built-in TAPs provide reliable, non-intrusive access to network traffic across physical, virtual, and cloud environments.
2. **Optimize (Axellio + Garland Technology)**  
Traffic is aggregated, filtered, and load balanced through a Garland Edgelens to remove noise and prepare it for efficient downstream processing.
3. **Capture & Distribute (Axellio)**  
PacketXpress® ingests traffic at line rate, captures it to disk, reduces unnecessary data, and distributes it at controlled rates.
4. **Analyze (Your Tool Stack)**  
Security and performance tools receive optimized data streams at rates they can handle, while full packet history remains instantly and securely accessible for replay and forensic analysis.

## The Outcome

Together, Axellio and Garland Technology deliver a differentiated approach to network visibility by combining **lossless access with high-performance data processing in a single, unified pipeline**. Unlike traditional architectures that force tools to operate at full line rate, the joint solution enables a model that decouples data from compute, reducing infrastructure strain and eliminating redundant processing. Intelligent **pre-ingest filtering paired with high-speed storage and replay** optimizes data flow, lowering total cost while preserving full-fidelity packet history for advanced analytics and forensics. This integration provides scalable, real-time access to complete data, allowing organizations to adapt more quickly to evolving mission demands while maintaining performance and efficiency at scale.

## About Us



Axellio is an innovator in network intelligence platforms for the Department of Defense, Intelligence Community, and global security operations. With 20 years of high-speed, high-volume storage expertise, its PacketXpress® platform captures, stores, analyzes, and distributes all network traffic in a compact footprint at over 200 Gbps with no loss.

### Contact us

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See every bit, byte, and packet\*

Garland Technology is an industry leader of IT and OT network solutions for enterprises, critical infrastructures, and government agencies worldwide. Since 2011, Garland Technology has been engineering and manufacturing simple, reliable, and affordable Network TAPs and Network Packet Brokers in Richardson, TX.

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