

# Allegro Network Multimeter and Keysight Network Visibility Solutions

The perfect combination for filtering network traffic and  
obtain granular troubleshooting capabilities

# Overview

Allegro Packets provides purpose-built network performance troubleshooting and packet capture solutions, that leverage the company's high-performance In-Memory Database and powerful software algorithms, to deliver granular observability and troubleshooting capabilities that come to life in an intuitive and easy to use web-interface.

Keysight Network Visibility Solutions compliment Allegro Packets by enabling network teams to safely get network traffic (via virtual or physical network taps), optimize that traffic (via the network packet broker) and dig into the pure, unfiltered network traffic – including malformed traffic and errors that typically would get dropped by SPAN ports or port mirroring – using the Allegro Network Multimeter. This foundation of true visibility and packet capturing facilitates troubleshooting, as well as network security and forensics.



**Figure 1.** Generic Architecture of Keysight and Allegro Packets Deployment

**How it works:** The packet broker solution provides the visibility and filtering capabilities necessary to optimize network traffic, while the Allegro Network Multimeter works at spotting and diagnosing network issues. This combination enables IT teams to quickly identify and address network performance, ultimately improving the overall health and reliability of their network.

# Allegro Packets' Network Analysis and Packet Capture Solutions

Allegro Packets provides cost-effective appliances for high performance network analysis and packet capturing from 1 to 400G. These “Allegro Network Multimeters” deliver highly granular and detailed analysis through powerful software algorithms, uncovering network problems, performance bottlenecks and protocol disturbances. With advanced Threshold- and Regex-based “incident” monitoring capabilities, Allegro Network Multimeters proactively assist IT-teams and service providers with network performance management, root cause analysis and making informed network (security) related decisions.

- High performance Network Analysis and Packet Capturing (1 - 400G)
- Comprehensive and granular L2-L7 metadata visibility
- Sizeable and fully configurable to your needs (Portable, 1U, 2U, 4U)
- 1-Click pre-filtered PCAP extraction & Webshark (built-in) analysis
- Enterprise-grade VoIP & RTP analysis built-in
- 3rd Party integrable (REST-API, Syslog, SNMP-traps, Net-Flow export)
- Free of function-, user- and volumetric based licensing
- Active development & support
- Support for Keysight Packet Broker generated time stamp and packet trimming trailer

## Keysight Intelligent Visibility Architecture

Keysight Network Visibility allows IT to strengthen network security, reduce monitoring costs, increase return on investment (ROI), and optimize network performance. Keysight offers the widest range of network taps, virtual network taps, and intelligent network packet brokers (NPBs). Advantages are:

- Dedicated hardware acceleration provides a Zero packet loss architecture.
- Filtering of traffic so that each monitoring or inline security tool receives exactly the right data.
- SSL decryption to quickly detect emerging threats that encrypting exploits within application traffic.
- Dynamic filter compiler handles all filter rule complexities automatically — no overlapping filter rule headaches.
- Aggregation of traffic from multiple TAPs or SPAN ports.
- Load-balancing of traffic to multiple analysis tools.
- L7 application awareness efficiently allows for packet processing based on unique applications.
- Use of Keysight packet trailer for timestamps and trimming allow optimized analytics. This allows distributed capturing with nanosecond precision and minimized link utilization.

# Keysight and Allegro Network Multimeter Joint Solution Benefits

- Efficiently get access to all data needed for analysis, without burdening production network devices
- L2-L7 data packet inspection for rich application information and network protocol details
- High performance analysis with nanosecond precision because of the ability to sync the time stamps between the Ixia packet broker and Allegro Packets device
- Packet capturing up to 400 Gbps
- Share data between Allegro Network Multimeter High performance analysis with nanosecond precision and other tools without the need for standalone probes
- Identify, isolate and resolve network (service) performance issues and security concerns
- Gain access to data from physical, virtual, and cloud networks and close the visibility gap
- Make informed decisions and identify disturbances in real-time, or historic data.

# A perfect partnership

## About Allegro Packets

German based Allegro Packets provides portable and rack-mount solutions for network (protocol) analysis and packet capturing. The brand is setting new benchmarks by combining high performance, high reliability, active development, relentless support and fair pricing into its all-in-one proposition. Allegro Packets are recognized and used by service providers, government-, healthcare- and Enterprise-organizations around the world.

Learn more at: [Network tools from Allegro Packets](#)

## About Keysight Visibility

### Connect and Secure the World with Dynamic Network Intelligence

The need for always-on networks is pervasive, and expectations are high when it comes to keeping them connected and secure. As technologies advance, edge computing, cloud environments, sophisticated security threats, increasing bandwidth requirements, and demanding compliance regulations make it challenging to extract actionable insight from your network.

Keysight can help. Customers rely on our solutions to deliver rich data about network traffic, applications, and users across any networking environment. This deep insight is what we call dynamic network intelligence. It helps you continuously innovate, meet aggressive service level agreements, and keep applications running smoothly and securely.

Learn more at: [Network Visibility | Keysight](#)

Keysight enables innovators to push the boundaries of engineering by quickly solving design, emulation, and test challenges to create the best product experiences. Start your innovation journey at [www.keysight.com](http://www.keysight.com).



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