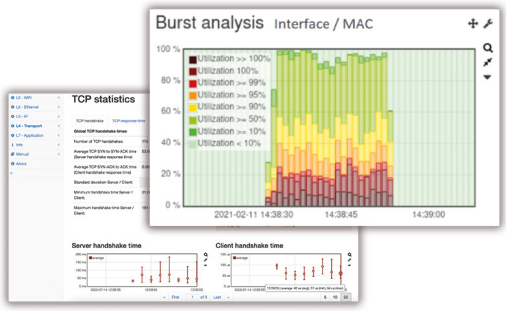
Allegro Network Multimeters are the all-in-one solution for network troubleshooting. They are deployed for network and security professionals to analyze network traffic in real-time, whether the event to be analyzed is current or in the past. Here are our top 10 use cases that will make life easier for any system admin.

10 Use Cases for the Allegro Network Multimeter



1 Uncover and Resolve

Is it the network, the server, the client or the application? A clear local web interface (GUI) displays trending, highly detailed statistics and metrics on L2-L7 network performance and quality metrics in real-time. This speeds up troubleshooting and reduces MTTR.



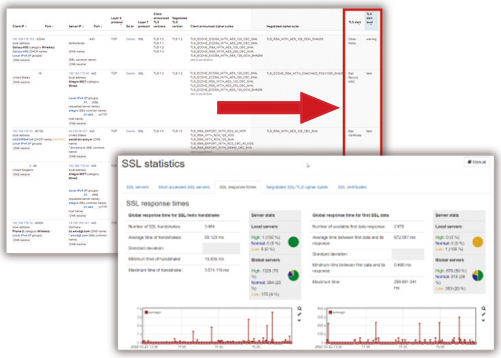
2 Packet-Based Observability and Network Inventory in Real-Time

Allegro Network Multimeters identify and capture (retrospectively) every device, service and protocol communicating to, from and across the network. Full MAC, ARP, IP, DNS, Port and NetBIOS visibility, combined with real-time Regular Expression Matching and various export mechanisms, help you troubleshoot effectively and quickly.



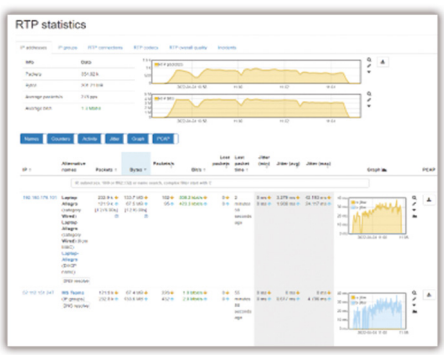
3 Enterprise-Grade VoIP & RTP Analysis and Troubleshooting

Our enterprise-grade VoIP and RTP analysis tools are actively used by many of the world's largest service providers. The Allegro analyzers are your go-to solution for packet-based VoIP and RTP troubleshooting on-premises, in the DC and at the SBC.



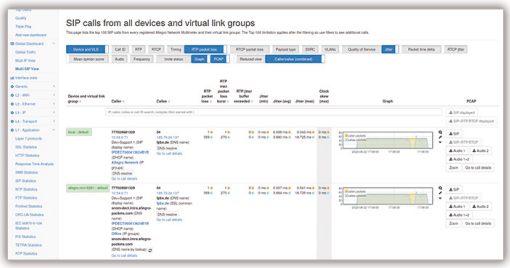
4 Analysis of TLS / DTLS Server Connection Validity or Faults

No server connection? No service! Allegro devices not only detect all TLS / DTLS handshake and data response times for performance troubleshooting, but also fully reveal negotiated TLS / DTLS versions, TLS / DTLS warnings, encryption key strength and certificate validity information. These insights allow you to solve problems with actionable data.



5 Unified Communications Analysis & Troubleshooting

When unified communications services such as MS Teams, Zoom or Webex are not performing as expected, it is possible to determine if a service (quality) degradation has been introduced internally or externally and assess the impact (some clients, subnets, company-wide).

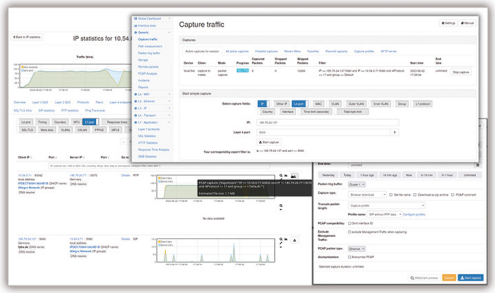


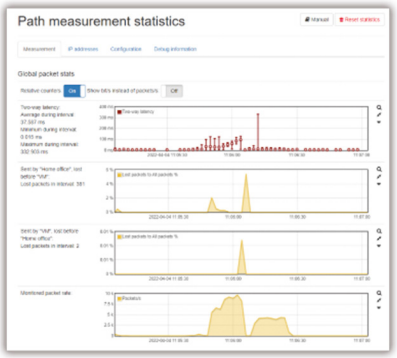
6 Multi-Point Analysis & Troubleshooting

Integrate multiple portable and/or rack mount Allegro Network Multimeters into one web-interface, for extensive multi-point observability and troubleshooting capabilities. Switch between views and compare traffic between different sites. Validate quality and performance of the network (services) in branch offices and easily compare to the quality parameters in data centers.

7 Pre-Filtering of Pcaps According the Packets of Interest

Vastly supporting Wireshark packet analysis, Allegro Packets enables network professionals to conveniently identify and extract packets of interest from both live network traffic and large pcap files. Selectively capturing individual connections, protocols, and regexp-matched packets for last-mile analysis with Wireshark has never been easier.



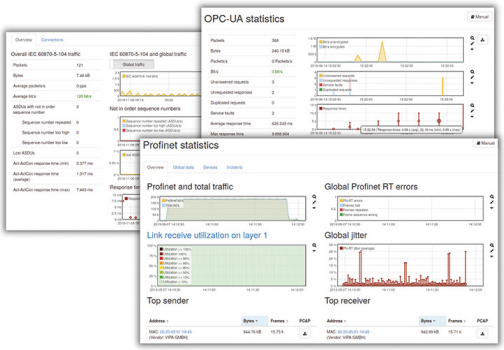


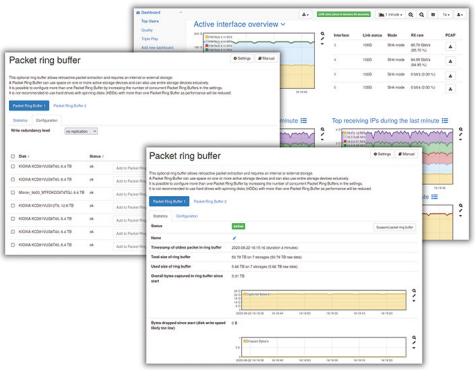
8 Network Path Measurement & Performance Monitoring

The Allegro appliance passively measures network path performance between multiple local segments or remote sites by continuously analyzing live traffic for latency, jitter, and packet loss. This allows administrators to detect degraded links, verify network stability, and ensure consistently high performance across locations.

9 OT / Industrial Protocol Analysis & Troubleshooting

OT / industrial analysis capabilities for PROFINET, OPC-UA, IEC 60870-5 and more prevent costly production downtime. Packet-based visibility includes communication relationships, top talkers, bandwidth consumption, jitter, frames, errors and alarms (PN-RT, PN-RTA and PNIO-CM).





10 100 % Network Traffic Recording & Playback

Whether for troubleshooting, security, lawful interception or general data retention purposes - network packets are extremely valuable. Allegro Packets' portable and rack-mount solutions allow network traffic to be captured (up to 240 Gbps) at the edge or in the data center, and fully analyzed later.