Allegro Packets
Network Multimeter

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Allegro 510

Analysis and Troubleshooting Tool for Network Administrators

- Unrivalled troubleshooting & forensic analysis efficiency
- Up to 2.5 Gbit/s connectivity with multiport capture and analysis
- Real-time connection-level insight up to 2.5 Gbit/s
- Packet capturing up to 4 Gbit/s
- No-wait layer 2-7 navigating, filtering, correlating
- 1-click ultrafast pcap extraction of prefiltered packets of interest
- 100 % engineered and developed in Germany

Designed for Branch Offices and Local Debugging

The Allegro 510 fits perfectly into all local environments and is recommended for approximately 200 active endpoints up to 2.5 Gigabit copper connectivity. It allows you to monitor the last 40,000 viewed IP addresses and up to 2.5 million connections for retroactive debugging and investigation.

Real-Time Visibility and In-Depth Statistics for all Connections

The Allegro 510 delivers network statistics and selective packet captures from Layer 2 to 7 for real-time as well as past time intervals for several days. The easy-to-use web interface provides a drill down from global overviews to detailed statistics including IPs, MACs, L7 protocols, TCP retransmissions.

Immediate Results

The Allegro 510 offers immediate statistics at the installation point. Just place the device in line, on a tap, or use it on a mirror or span port to view activity at this point. The Allegro 510 supports 2 x 1 Gigabit ports and 2 x 2.5 Gigabit ports as well as tunnel termination, including ERSPAN.

Powerful and Portable

The Allegro 510 is a portable solution weighing less than one kilogram. It uses passive cooling without any moving parts. An SSD is used as an additional packet ring buffer, allowing the extraction of packets from past traffic with a simple click to download to your browser.

Versatile Analysis Modules

The Allegro 510 integrates a number of analysis modules from L2 to L7. They help to identify network issues such as microbursts on L2, TCP retransmissions for a specific host on L4, application-layer statistics including TLS, HTTP, SMB, and SIP, or the top traffic users for a specific protocol, e.g. a Windows update 3 hours ago. The integrated dashboard provides a quick overview.

Quality Made in Germany

The Allegro 510 is developed in Leipzig, Germany. Purchasing the Allegro 510 includes direct support from our highly qualified team based in Germany.

Table Allegro 510 Specifications

Feature	Allegro 510
Size (W / H / D) in mm	148 x 44 x 118
Weight	1 kg
Power supply	40 W, external
Airflow	Passive cooling, no fans
Internal database memory	16 GB
Internal SSD for ring buffer	960 GB / 3,840 GB / 15,360 GB
Management ports	1 x 1000Base-T 1 x WiFi 802.11n via USB adapter
Capture ports	2 x 10 / 100 / 1000 / 2.5GBase-T 2 x 10 / 100 / 1000Base-T 1 x WiFi 6e USB adapter[1]
Max. capture rate (capture only)[2]	4 Gbit/s
Average throughput (full decode)[3]	2.5 Gbit/s
Average packets per second[3]	600,000 pps
New connections per second[3]	3,000
Max. parallel connections	250,000 concurrent open connections
Connection history[4]	Up to 2.5 Mio. connections
IPv4/v6 history[4]	Up to 40,000 IPs
Jumbo frames	9,000 bytes
Maintenance & support	Default 1 year, more as option
Operating temperature	0°C to 30°C (32°F to 86°F)
Non-operating temperature	-30°C to 60°C (-22°F to 140°F)
Operating relative humidity	8 % to 80 % (non-condensing)
Non-operating relative humidity	8 % to 90 % (non-condensing)
Certifications	CE, FCC, RoHS, BIS

Do you like this solution?
Please contact Heynen for distribution in BENELUX.

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[1] Up to 16 WiFi adapters can be added via a USB hub, to each of the 2 USB3 ports on the device
[2] Under ideal testing conditions
[3] Real-world datacenter throughput scenario
[4] Real-world datacenter traffic mix, storage for over 4 days