Allegro Network Multimeter 500

Hardware Datasheet

Analysis and Debugging Tool for Network Administrators

- ✔ Analyze and correlate all metadata from L2 to L7
- ✔ Selective and retroactive pcap extraction
- ✔ Real-time search and filtering from L2 to L7
- ✔ Active email alert
- ✔ Easy installation on a mirror port, tap or as a network bridge
- ✔ Simple licensing
- ✔ Designed and manufactured in Germany
- ✔ Direct support from UK & Germany

Designed for Branch Offices and Local Debugging
The Allegro 500 fits perfectly into all local environments and is recommended for approximately 100 active endpoints with Gigabit cabling. It allows you to monitor the last 20,000 viewed IP addresses and more than 1 million connections for retroactive debugging and investigation.

Real-time and Historic Web View
The Allegro 500 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 500 offers immediate statistics at the installation point. Just place the Allegro in line, on a tap, or use it on a mirror or span port to view activity at this point. The Allegro 500 series supports 4 x 1 Gigabit ports.
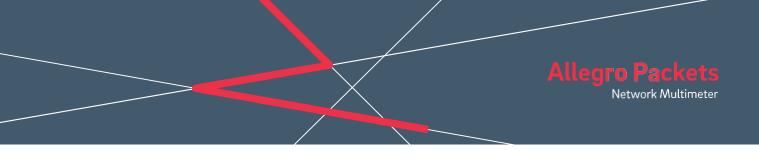
Powerful and Portable
The Allegro 500 is a portable solution weighing less than one kilogram. It uses passive cooling without any moving parts. An SSD can be used as an additional packet ring buffer, allowing the extraction of captures from past traffic with a simple click as a browser download.

Versatile Analysis Modules
The Allegro 500 integrates a number of analysis modules from L2 to L7. It helps to identify network issues such as microbursts on L2, TCP retransmission for a specific host on L4 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 500 is developed in Leipzig, Germany. Purchasing the Allegro 500 includes direct support from our highly qualified team based in Germany as well as GCH in the UK.

Table 1 Allegro 500 Base Unit Specifications

Feature	Allegro 500-M / 500-L
Order ID	102 / 103
Size (W / H / D) in mm	148 x 44 x 118
Weight	1 kg
Power supply	40W, external
Airflow	Passive cooling, no fans
Packaging	Portable soft shell case
Management port	1 x 1000BaseT 1 x WiFi 802.11n via USB 2 adapter
Monitor ports	4 x 1000BaseT
Max. throughput1	4 GBit/s
Average throughput2	2 GBit/s
Average packets per second2	500,000 pps
Max. parallel connections	200,000 concurrent open connections
Jumbo frames	9,000 bytes
Hardware warranty	Default 1 year, more as option
Operating temperature	-20 ˚C to 50 ˚C (-4˚ F to 122˚ F)
Non-operating temperature	-40 ˚C to 70 ˚C (-40˚ F to 158˚ F)
Operating relative humidity	8 % to 90 % (non-condensing)
Non-operating relative humidity	5 % to 95 % (non-condensing)
Certifications	CE, FCC, RoHS

Feature	Allegro 500-M	Allegro 500-L
Internal database memory	4 GB	8 GB
Internal SSD for ring buffer	500 GB	1 TB
Connection history3	Up to 600,000 connections	Up to 1.2 Mio. connections
IPv4/v6 history3	Up to 10,000 IPs	Up to 20,000 IPs

Table 2 Order ID

Order ID	Product Description
102	500-M (4 GB DB, 500 GB SSD)
103	500-L (8 GB DB, 1 TB SSD)

1 Under ideal testing conditions | 2 Real-world datacenter throughput scenario
3 Real-world datacenter traffic mix, storage for over 4 days