

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
- ✓ Development Made in Germany
- ✓ Direct support from Germany

Designed for branch offices and local debugging

The Allegro 500 fits perfectly into all local environments supporting for up to 50 active endpoints with Gigabit cabling. It allows you to monitor the last 20,000 seen IP addresses and up to 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 see what happens at this point. The Allegro 500 series supports 4x 1 Gigabit ports.

Powerful and portable

The Allegro 500 is a portable solution with a weight of less than one kilogram. It uses passive cooling without any moving parts. A 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 has integrated a variety of analysis modules from L2 to L7. It helps to identify network issues such as microbursts on L2, TCP retransmissions 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 qualified team based in Germany.



Table 1 Allegro 500 base unit specifications

Feature	Allegro 500-M / 500-L	
Order ID	102 / 103	
Size (L/H/D) in mm	148 x 44 x 118	
Weight	1 kg	
Power supply	40 W, 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	
Maximum throughput ¹	4 GBit/s	
Average throughput ²	2 GBit/s	
Average packets per second ²	500,000 pps	
Max parallel connections	200,000 concurrent open connections	
Jumbo frames	9,000 bytes	
Hardware guarantee	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 history ³	Up to 600,000 connections	Up to 1.2 Mio. connections
IPv4/v6 history ³	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