

# PROFISHARK 1G+



## ALL-IN-ONE GIGABIT ETHERNET TROUBLESHOOTER

### THE ULTIMATE SOLUTION FOR FIELD TESTING & MONITORING

The ProfiShark 1G+ is the perfect tool for the field engineer as well as for long-term traffic collection. Easy to use and pocket-sized, ProfiShark 1G+ provides flexibility without compromising performance, as it manages to capture 100% of full-duplex 1G traffic passing through.

Combine the ProfiShark 1G+ with a Windows, Linux or macOS computer through its USB 3.0 port for a complete network analysis solution. The ProfiShark 1G+ captures packets of all sizes and types and offers a wide assortment of capture and configuration options, information, and statistics, through the ProfiShark Manager.

ProfiShark 1G+ is fitted with GPS and PPS ports to provide advanced timestamping features.

### FEATURES

- 10/100/1G monitoring on USB 3.0
- USB 3.0 powered
- Non-intrusive, fail-safe monitoring
- Hardware aggregation
- SPAN and In-Line modes
- 8 ns hardware timestamp
- GNSS (GPS/GLONASS) UTC timestamping
- PPS synchronization (input/output)
- Real time statistics
- Low level error and bandwidth monitoring
- Direct capture to disk
- Invisible to the network
- PoE passthrough
- Full-duplex GbE (2 Gbit/s) capture, timestamping, and aggregation at wirespeed
- Compatible with all software packet analyzers

### ADVANCED TIMESTAMPING

ProfiShark 1G+ provides various timestamping features, such as GPS-linked nanosecond resolution UTC timestamps, SNTP, PPS input/output, and latency compensation options for increased accuracy. These features can be combined in any number of ways to fit your needs.

### LONG-TERM TRAFFIC CAPTURE

The long-term capture feature is designed to help you catch intermittent problems in the act. By connecting a NAS to the ProfiShark, captures can be done for long periods of time. Included in ProfiShark software package.

- Full-duplex 1G (2 Gbit/s) wirespeed capture
- Ringbuffer or normal capture mode
- Split capture to different files, based on time or size
- Compatible with all Intel-based Synology NAS systems

## TECHNICAL SPECIFICATIONS

| CONNECTORS                                                                                                 | ACCESSORIES                                                         |
|------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| 2 x RJ45 8 pins<br>1 x USB 3.0<br>1 x 5 VDC optional input<br>1 x SMA female (PPS)<br>1 x SMA female (GPS) | GPS/GLONASS Antenna<br>1.8 m USB 3.0 cable<br>RJ45 cable<br>USB key |
| DIMENSIONS (WxDxH)                                                                                         | MAX. NETWORK LATENCY                                                |
| 105 x 124 x 26 mm — 4.13 x 4.88 x 1.02 in                                                                  | 1 Gbps: 370 ns — 100 Mbps: 660 ns — 10 Mbps: 6600 ns                |
| WEIGHT                                                                                                     | SYSTEM REQUIREMENTS                                                 |
| 280 g — 0.62 lb                                                                                            | Dual Core Processor — 4 GB memory — USB 3.0 port                    |
| COMPLIANCE                                                                                                 | LEDS                                                                |
| RoHS                                                                                                       | 2 x Speed/Status — 2 x Link/Activity — 1 x Sync — 1 x Power         |
| SUPPORTED OS                                                                                               |                                                                     |
| Windows 7 / 8 / 10 (32-bit & 64-bit) — Linux — macOS                                                       |                                                                     |

## ORDER REFERENCE

C1AP-1G2



V.3.7-0219