

# PROFISHARK 1G+

PORTABLE TRAFFIC CAPTURE WITH ADVANCED TIMESTAMPING

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.



## TECHNICAL SPECIFICATIONS

CONNECTORS	ACCESSORIES
2 x RJ45 8 pins 1 x USB 3.0 1 x 5 VDC optional input 1 x SMA female (PPS) 1 x SMA female (GPS)	GPS/GLONASS Antenna 1.8 m USB 3.0 cable RJ45 cable 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	2x Speed/Status — 2x Link/Activity — 1x Sync — 1x Power
SUPPORTED OS	
Windows 7 / 8 / 10 (32-bit & 64-bit) — Linux — macOS	

## 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

## ORDER REFERENCE

CIAP-1G2

