

# PROFISHARK 10G

## IN-DEPTH COPPER AND FIBER NETWORK TROUBLESHOOTING

### COMPREHENSIVE 1G/10G COPPER AND FIBER FIELD TESTING & MONITORING

The ProfiShark 10G is the perfect tool for the field engineer as well as for long-term traffic collection. Easy to use and pocket-sized, this portable device gives you all the flexibility and performance you require for network monitoring.

Combine the ProfiShark 10G with a Windows, Linux or macOS computer through its USB 3.0 port for a complete network analysis solution. The ProfiShark 10G captures packets of all sizes and types and offers a wide assortment of hardware filters, statistics, and capture and configuration options, through the ProfiShark Manager.



## FEATURES

- ▶ 1G/10G monitoring on USB 3.0
- ▶ 1G, 10G, copper and fiber SFPs compatible
- ▶ USB 3.0 powered
- ▶ Hardware aggregation
- ▶ SPAN and In-Line modes
- ▶ Hardware filtering, deep packet inspection
- ▶ Packet slicing
- ▶ 5 ns hardware timestamp
- ▶ Customizable real-time statistics
- ▶ In-depth network port diagnostics
- ▶ Low level error and bandwidth monitoring
- ▶ Direct capture to disk
- ▶ Invisible to the network

## 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.

- ▶ 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 SFP/SFP+ 1 x USB 3.0 1 x 5 VDC optional input	1.8 m USB 3.0 cable 1.5 m USB A male to DC 5V adapter USB key
DIMENSIONS (WxDxH)	MAX. NETWORK LATENCY
105 x 124 x 26 mm — 4.13 x 4.88 x 1.02 in	10 Gbps: 328 ns
WEIGHT	SYSTEM REQUIREMENTS
280 g — 0.62 lb	Dual Core Processor — 4 GB memory — USB 3.0 port
COMPLIANCE	LEDS
RoHS — CE	4 x Link/Activity — 1 x Power
SUPPORTED OS	
Windows 7 / 8 / 10 (32-bit & 64-bit) — Linux — macOS	

## ORDER REFERENCE

C1AP-10G



# PROFISHARK 10G+

## IN-DEPTH COPPER AND FIBER NETWORK TROUBLESHOOTING

### 1G/10G COPPER AND FIBER MONITORING WITH ADVANCED TIMESTAMPING

The ProfiShark 10G+ is the perfect tool for the field engineer as well as for long-term traffic collection. Easy to use and pocket-sized, this portable device gives you all the flexibility and performance you require for network monitoring.

Combine the ProfiShark 10G+ with a Windows, Linux or macOS computer through its USB 3.0 port for a complete network analysis solution. The ProfiShark 10G captures packets of all sizes and types and offers a wide assortment of hardware filters, statistics, and capture and configuration options, through the ProfiShark Manager.

ProfiShark 10G+ is fitted with GPS and PPS ports to provide advanced timestamping features.



## FEATURES

- ▶ 1G/10G monitoring on USB 3.0
- ▶ 1G, 10G, copper and fiber SFPs compatible
- ▶ USB 3.0 powered
- ▶ Hardware aggregation
- ▶ SPAN and In-Line modes
- ▶ Hardware filtering, deep packet inspection
- ▶ Packet slicing
- ▶ 5 ns hardware timestamp
- ▶ GNSS (GPS/GLONASS) UTC timestamping
- ▶ PPS synchronization (input/output)
- ▶ Customizable real-time statistics
- ▶ In-depth network port diagnostics
- ▶ Low level error and bandwidth monitoring
- ▶ Direct capture to disk
- ▶ Invisible to the network

## ADVANCED TIMESTAMPING

ProfiShark 10G+ 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.

- ▶ 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 SFP/SFP+ 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 1.5 m USB A male to DC 5V adapter USB key
DIMENSIONS (WXDXH)	MAX. NETWORK LATENCY
105 x 124 x 26 mm — 4.13 x 4.88 x 1.02 in	10 Gbps: 328 ns
WEIGHT	SYSTEM REQUIREMENTS
280 g — 0.62 lb	Dual Core Processor — 4 GB memory — USB 3.0 port
COMPLIANCE	LEDS
RoHS	4 x Link/Activity — 1 x Sync — 1 x Power
SUPPORTED OS	
Windows 7 / 8 / 10 (32-bit & 64-bit) — Linux — macOS	

## ORDER REFERENCE

C1AP-10G2



# PROFISHARK 100M

ALL-IN-ONE FAST ETHERNET TROUBLESHOOTER



## The Ultimate Solution for 100M Field Testing & Monitoring

The ProfiShark 100M is designed for traffic capture on both regular Ethernet and Real-Time Industrial Ethernet, making it the perfect troubleshooting tool for field engineers as well as for long-term traffic collection. Easy to use and pocket-sized, ProfiShark 100M provides flexibility without compromising performance, as it manages to capture 100% of full-duplex 100M traffic passing through.

Combine the ProfiShark 100M with a Windows, Linux or macOS computer through its USB 3.0 port for a complete network analysis solution. The ProfiShark 100M captures packets of all sizes and types and offers a wide assortment of capture and configuration options, information, and statistics, through the ProfiShark Manager.

## FEATURES

- 10/100M monitoring on USB
- USB powered
- Non-intrusive, passive monitoring
- Hardware aggregation
- In-Line mode
- 8 ns hardware timestamp
- 802.3af and VoIP compliant, PoE passthrough
- Customizable real time statistics
- In-depth network port diagnostics
- Low level error and bandwidth monitoring
- Live capture
- Direct capture to disk
- Invisible to the network

## 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 100M 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 1 x USB 3.0 1 x 5 VDC optional input	1.8 m USB 3.0 cable RJ45 cable Pouch USB key
DIMENSIONS (WXDXH)	NETWORK LATENCY
69 x 124 x 24 mm 2.72 x 4.88 x 0.94 in	0
WEIGHT	SYSTEM REQUIREMENTS
170 g — 0.37 lb	Dual Core Processor — 4 GB memory — USB 3.0 port
COMPLIANCE	LEDS
RoHS — CE	2 x Speed/Status — 2 x Link/Activity — 1 x Power
SUPPORTED OS	
Windows 7 / 8 / 10 (32-bit & 64-bit) — Linux — macOS	

## ORDER REFERENCE

C1AP-100



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# PROFISHARK 1G

## PORTABLE TRAFFIC CAPTURE AND TROUBLESHOOTING TOOL

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 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.



## TECHNICAL SPECIFICATIONS

CONNECTORS	INCLUDED ACCESSORIES
2 x RJ45 8 pins 1 x USB 3.0 1 x 5 VDC optional input	1.8 m USB 3.0 cable RJ45 cable Pouch USB key
DIMENSIONS (WxDxH)	MAX. NETWORK LATENCY
69 x 124 x 24 mm 2.72 x 4.88 x 0.94 in	1 Gbps: 370 ns — 100 Mbps: 660 ns — 10 Mbps: 6600 ns
WEIGHT	SYSTEM REQUIREMENTS
176 g — 0.39 lb	Dual Core Processor — 4 GB memory — USB 3.0 port
COMPLIANCE	LEDS
RoHS — CE	2 x Speed/Status — 2 x Link/Activity — 1 x 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
- 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

## 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

## C1AP-1G



# 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
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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



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