

# ProfiShark 1G

## All-in-One Gigabit Ethernet Troubleshooter

The Ultimate Solution for Field Testing & Monitoring

- **A full featured field service tool, compact and easy to use.**  
All-in-one in a pocket-sized box, the only additional hardware required being a PC with a free USB 3.0 port, the ProfiShark 1G is the perfect tool for the field engineer as well as for long-term traffic collection. As it is based on USB 3.0 (5 Gbit/s), the ProfiShark 1G manages full-duplex Gigabit at wirespeed.

● **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 compliant

● **The ProfiShark 1G has the ability to capture:**

- Any frames between 10 bytes and 10 Kbytes
- Any encapsulated frames
- Any type of frames (VLAN, VXLAN, MPLS, Pause, CRC error frames...)

● **Timestamp**

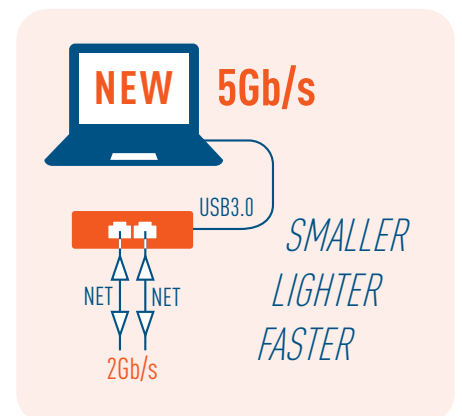
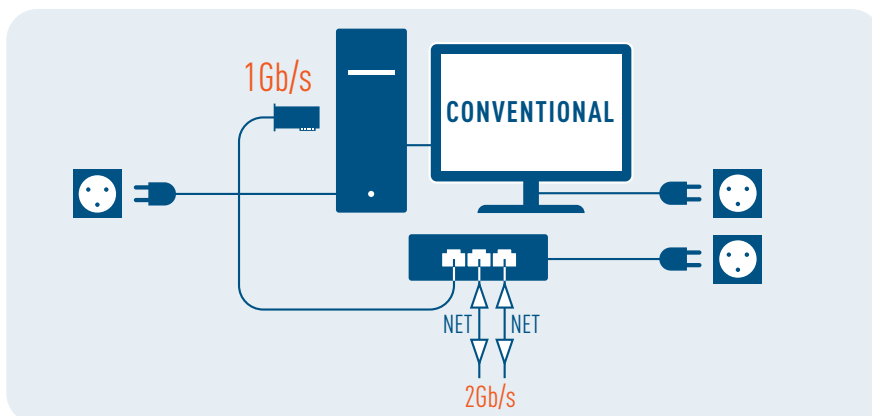
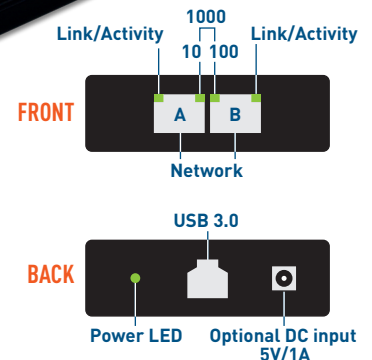
This feature allows real time analysis of aggregated and buffered traffic. It can measure latencies in nanosecond resolution.

● **ProfiShark Manager**

An application designed specifically for the ProfiShark 1G. It provides a way for statistical analysis of a network, allowing for efficient excessive bandwidth usage detection, or any low layer errors using charts prior to a deeper investigation with an analyzer.



**Connection**



|                      |   |
|----------------------|---|
| Connectors           | 2 x RJ45 8 pins • 1 x USB 3.0 • 1 x 5 VDC optional input            |
| LEDs                 | 2 x Link/Activity • 2 x Speed • 1 x Power                           |
| Max. Network Latency | 1 Gbps link: 370 ns • 100 Mbps link: 660 ns • 10 Mbps link: 6600 ns |
| System requirements  | Dual Core Processor • 4 GB memory • USB 3.0 port                    |
| Supported OS         | Windows 7 / 8 / 10 (32-bit & 64-bit) • Linux                        |
| Dimensions (WxDxH)   | 69 x 124 x 24 mm • 2.72 x 4.88 x 0.94 in                            |
| Weight               | 176 g • 0.39 lb   |
| Accessories          | 1.8 m USB 3.0 cable • RJ45 cable • Pouch • USB key                  |
| Compliance           | RoHS • CE   |

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