

Fieldbus Tools for Monitoring, Diagnosis & Troubleshooting



High Performance Ethernet Fieldbus Packet Capture

The SwiftWing **SIRIUS Portables** are most suitable devices for mobile use, designed to meet today's demand for high-speed, high-traffic packet capture on IP networks.

SwiftWing SIRIUS ensures that no packets will be lost when subjected to demanding and intensive network conditions.

The intuitive GUI enables for instant, accurate capture results and most convenient management of recorded pcapfiles of any size.

The **heavy duty hardware platform** allow the operation of 3rd party partner products, e.g. valuable PROFINET tools, as well.

An alternate model is the **SIRIUS Mini Portable**.

Identical in functionality to the big Portable, the Mini offers up to 5TB storage capacity at a low weight and small footprint.

SIRIUS Pricing starts at € 16.500

plus local VAT

more info : www.swiftwing.eu



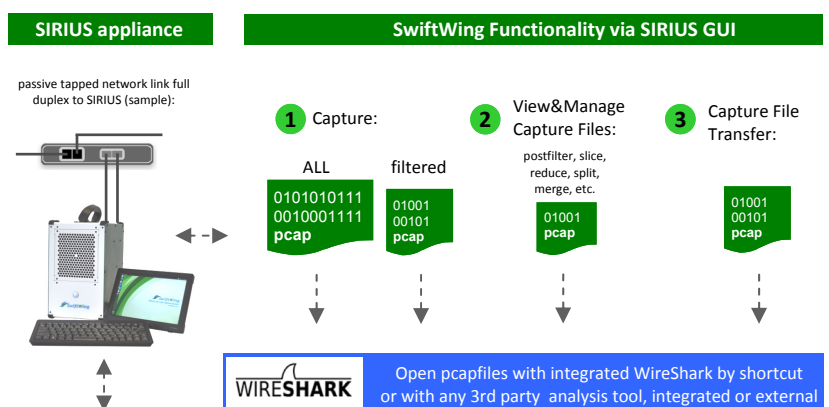
Features SIRIUS

- ▶ Full line-rate capturing for 64 to 9018 bytes size packets incl. error packets
- ▶ Capturing packets smaller than 64bytes (> 17bytes), paired with nanosecond time-stamping
- ▶ Browserbased intuitive GUI for
 - Configuration & Operation
 - Monitoring & Analysis
- ▶ Capture file management
 - Filesizes, File rotation, Packet slicing
 - Merge/Split/Lock File Operation
- ▶ Pre-Capture Hardware Filter Engine & enhanced Post Filtering
- ▶ Real-time & historical packet statistics and graph display
- ▶ Scheduler for automated start & stop of capture processes
- ▶ SNMP traps & logs
- ▶ Storage capacity up to 16TB (big port. SIRIUS)
- ▶ SwiftWing SIRIUS is available in several versions, from systems for 10/100/GbE up to 100GbE interfaces, currently with up to 40Gbps sustaining and lossless capture, irrespective of packet sizes. A 19" series offer up to 1.500 Terabyte storage capacity.

The herein described SIRIUS appliances are capable of capturing 2 x dual channel 1GbE (= 4 x 1GbE = 4Gbps) to disk.

How it can work:

SIRIUS capture appliances work with input sources such as SPAN / Mirror Ports, Packet Brokers output or any straight, single Break Out TAP or special TAPs such as Port- or Link- Aggregator TAP:



WireShark — everybody uses it ...

There are AddOns or Plugins provided by some TAP makers offering features for your benefit. Nevertheless, SIRIUS does the capture and WireShark will decode and display the data.

See next page about some smart TAPs for Industrial Ethernet ...



SIRIUS is made in Japan by ComWorth since 2005



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Accessoires: TAPs

professional, safe tapping into the Fieldbus



Link Aggregator 100Mbit TAP

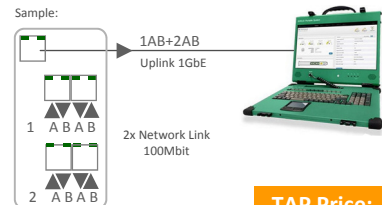


- 2x Full-Duplex Aggregation into 1 stream
- non-intrusive, failsafe In-Line Monitoring
- zero Delay to Network Links
- unfiltered forwarding of CRC errors
- 1nS Time Stamp Resolution

The TAP 2100 is a Network TAP for all current industrial 100Mbit Ethernet solutions, capable of simultaneously connect to up to two independent real-time Ethernet Links.

This TAP is connected to the analyser by a standard GigaBit Ethernet (RJ45), the monitor port data TX & RX are aggregated to this uplink port.

The TAP tags the traffic with a 20 byte supplemental information field per packet. A free available WireShark DLL (Windows & Linux) for decoding is supplied with the TAP.

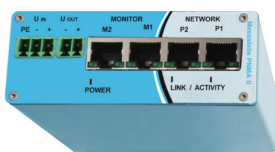


TAP Price: € 749

plus local VAT



Classic 100Mbit Break Out TAP

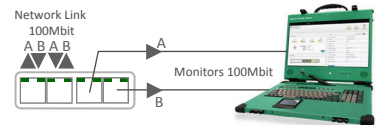


- non-intrusive In-Line Monitoring
- permanent Network Link guaranteed
- no packet loss
- zero delay
- Industrial powered 20-30 VDC

The PNMA II TAP serves as a non-intrusive, failsafe and passive access point and causes zero delay to the networklink in, e.g. PROFINET and further Ethernet-based networks under production conditions.

Equipped with a railclip and operating with 20-30 VDC, the PNMA II TAP enables for ad hoc or permanent monitoring of a single real-time Ethernet Link by any kind of 2-channel analyser (e.g., SwiftWing SIRIUS).

It also works 100% with Siemens CP1616 based analyser.



TAP Price: € 345

plus local VAT



USB based 100Mbit Port Aggregator TAP

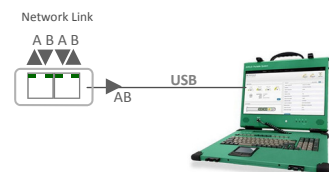


- full-duplex Aggregation into USB 2.0
- non intrusive In-Line Monitoring
- shows MAC Faults to Sniffers
- ultra compact, USB powered
- 5nS Time Stamp
- MAC/IP Filter Tool

The ProfiShark 100M is a straight forward solution, equivalent to a 10/100 Aggregator TAP plus a Network Interface Card (NIC) with 200Mbps Bandwidth.

It captures and merges Full-Duplex traffic at wirespeed (up to 200Mbps) and requires only one USB 2.0 port on a computer.

There are drivers available for Windows & Linux. Ultra compact and easy to use, the ProfiShark 100M offers Full Duplex Capture with less equipment to carry around.



TAP Price: € 995

plus local VAT

USB based GigaBit Port Aggregator TAP



- Full-Duplex Aggregation into USB 3.0

Identical in function to the 100M Version, the ProfiShark 1G is another straight forward solution, equivalent to a GigaBit Aggregator TAP with 2Gbps+ bandwidth on output to USB3.0

TAP Price: € 2195

plus local VAT



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Note : all pricing shown w/o local VAT