

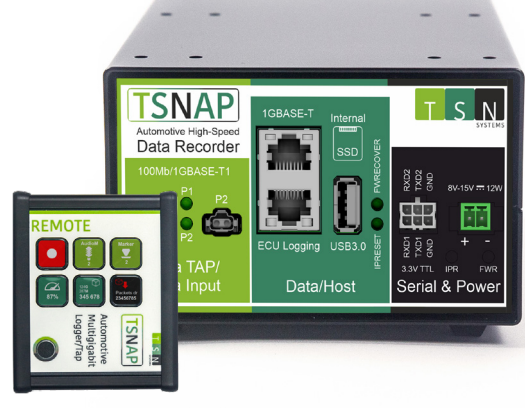
Shaping the Future: TSN Hardware & TSN Software

TSNAP

- Overview
- Features

Overview

Just Tap & Record



TSNAP is built to passively and seamlessly tap into any automotive network link without disturbing the flowing data. After being inserted into the network link, data can flow less than 300ms after the device's cold boot and can even synchronize its timestamping to the Network-under-Test's gPTP if desired. Shortly after, it will read and accurately timestamp every packet it records to its internal SSD. Its interactive remote control provides six buttons, each with a high-res backlit colour display. Just press the record button and start recording. Set voice markers and standard markers live on any occasion you feel essential.

TSNAP is part of the TSN CoreSolution and works standalone or in conjunction with other TSN CoreSolution Hard- and Software. The recorded data can be directly tailored, read out and analyzed. TSNAP is ready to record any ethernet/TSN data and log ECUs (e.g. ESO Trace) during development while performing component- or system tests on the desk, the bench, or in the car and at the same time being built to be extremely simple to handle.

Just Tap & Record any ethernet and TSN data anywhere with no hassle.

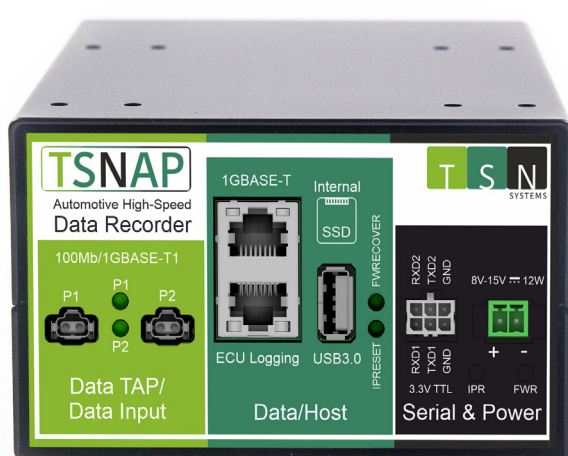
Key Features

- Simultaneous capture on both TAP ports to either RAMdisk, SATA or USB3
- PCAPNG capture file format
- User-customizable maximum capture length for easy processing of large captures
- Ability to mount & format new SATA drives
- Capture retrieval via HTTP, FTP, SMB*
- DUT network sync capability
- Captures grouped together in folders; one folder per session's capture data, markers & audio recordings
- Remote control with 6x illuminated buttons with programmable graphical displays (72x72 each) (hires, colour) for event markers, audio recording etc.
- Built-in microphone with speech enhancement filter for audio markers

Features

Core features of the TSNAP are:

- 1x TAP 2x 100/1000BASE-T1 using Amphenol Single-Pair Ethernet connectors for compatibility to other TSN Systems products
- 1x HOST 100/1000BASE-T port
- 1x USB3 e.g. for external SSD
- Integrated 100BASE-T port for TCP/IP trace capture
- 2x Serial ports (LVTTTL levels, protected)
- TAP startup ~300ms
- 8 - 18VDC input power range
- Recording ready ~15s
- Power consumption fully operational max. 10W; forced cooling
- Compact Dimensions 112 x 71 x 140mm



Time Matters.



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