



1000Base-T1 – Standard Ethernet

# 1000Base-T1 SPY mini

# The 1000Base-T1 SPY mini



## Description

o 1000Base-T1 SPY mini is more than a development tool for testing and analysing on-board vehicle networks, is the first one that allows to sniffing 1000Base-t1 Ethernet traffic. It allows to sample data frames directly from the bus without influencing the original network, and also provides the possibility to serve as a converter between 1000Base-T and 1000Base-T1.

o In logging mode the data Frames can be enhanced with additional information: the exact timestamp with 0.04  $\mu$ s resolution and the bus port the data was originally received on. All data can be recorded on a PC or datalogger for detailed offline analysis.

o Different SPY modes are allowed:

1. Copying each direction of 1000Base-T1 Traffic to one independent RJ45 interface
2. Allowing copy of both directions of 1000Base-T1 traffic to only one RJ45 interface, assuming less than 500Mbps traffic bandwidth in each direction.

o Optionally other Use-Cases as Dual Media Converter or Frame Generator are also available All the functions can be configured easily via switches, no configuration or expert knowledge is needed. It is as easy as plug-and-play

## Features

- o 2x 1000Base-T1 Ports
- o 2x Gigabit Ethernet Ports
- o Power requirements: 12 Volt DC Nominal (8-16 Volts), 4 to 7 Watt
- o 6x 3V3 Bidirectional Trigger signals
- o DIP switches for easy configuration
- o Robust steel case
- o Size: 110x108x28 mm