

1000BASE-T1 SPY MINI

APPLICATION

**Samples data frames directly without
influencing the original network**

1000BASE-T1 SPY MINI



DESCRIPTION

1000BASE-T1 SPY mini is more than just a development tool for testing and analysing on-board vehicle networks. It is the first one that allows sniffing 1000BASE-T1 (Automotive Gigabit Ethernet) traffic.

It allows the direct capture of 1000BASE-T1 (Automotive Gigabit Ethernet) traffic with optional timestamping with 40 ns resolution to Standard Gigabit Ethernet. A clock synchronization with the 100BASE-T1 SPY 12 port is provided via internal 802.1AS implementation.

In logging mode the data frames can be enhanced with additional information: the exact timestamp with 0.04 μ 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.

Different SPY modes are allowed:

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

Optionally other Use-Cases as Dual Media Converter or Frame Generator are also available.

FEATURES

- ✓ 2x 1000BASE-T1 Ports
- ✓ Samples data frames directly without influencing the original network.
- ✓ 2x Gigabit Ethernet Ports
- ✓ Power requirements: 12 Volt DC Nominal (8-16 Volts), 4 to 7 Watt
- ✓ 6x 3V3 Bidirectional Trigger signals
- ✓ DIP switches for easy configuration
- ✓ Robust steel case
- ✓ Size: 120x118x28 mm
- ✓ Timestamp with 0.04 μ s resolution selectable
- ✓ Can be synchronized via 802.1AS with other devices, such as 100BASE-T1 SPY 12 Port
- ✓ Dual-Converter Mode available

**AUTOMOTIVE CONNECTOR
(2x 1000BASE-T1 PORTS)**



USE CASE PANEL



**2x GIGABIT ETHERNET
(RJ-45)**

