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IVN2Eth Capture Module
CM ETH COMBO

Capture both 100BASE-T1 and 1000BASE-T1 without interfering the original network

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DESCRIPTION

With Ethernet as an in-vehicle-network (IVN) comes the challenge of capturing the traffic of these new technologies: 100BASE-T1 and 1000BASE-T1.

The CM Eth Combo provides the necessary ports to capture the traffic from 1 x 1000BASE-T1 line (between two DUTs) and 2 x 100BASE-T1 lines, correspondingly.

The traffic is captured without causing interference on the network and delivered with a 40 ns resolution hardware time stamp, thus making the analysis of AVB/TSN traffic possible.

Several devices can be used on the same setup, whenever more T1 ports are needed, and when other IVN technologies are present, the in-built-synchronization using 802.1AS allows for simultaneous use with the other "IVN2Eth Capture Modules".

Many additional features make this device appropriate for general-purpose testing.

FEATURES

- 1 Link Line 1000BASE-T1 (2 Ports)
- 2 Link Line 100BASE-T1 (4 Ports)
- Technically Enhanced Capture Module Protocol (time stamping...)
- Configure easily via webserver
- Network Time Synchronization (802.1AS) – allows to synchronize multiple Eth Combos or any other "Capture Module"
- Cascading and synchronization of multiple devices
- Source Timestamping with 40 ns resolution
- High Speed Startup
- Startup Buffer
- Output Traffic Shaping
- AVB/TSN Capture capable
- Time-Aware Injection
- Rotary Switch for manual configuration of the device's IP-Addresses (Gbit – RJ-45)
- Wakeup capable
- Extended Power Mode for Car integration
- Voltage requirement: 12 to 24 Volt DC
- Robust stainless-steel case
- Size: 129 x 118 (137) x 32 mm

TECMP is compatible with PLP Protocol

4x 100BASE-T1	2x STANDARD GIGABIT ETHERNET (RJ-45)	2x 1000BASE-T1 (MATEnet)	1x SYSTEM CONNECTOR