

# IVN2Eth Capture Module **CM ETH COMBO**

## APPLICATION

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

# IVN2Eth Capture Module CM ETH COMBO



## 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)
- ✓ PLP Protocol (time stamp, ...)
- ✓ 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
- ✓ Robust stainless-steel case
- ✓ Size: 129 x 118 (137) x 32 mm

4x  
100BASE-T1



2x  
STANDARD GIGABIT  
ETHERNET (RJ-45)



2x  
1000BASE-T1  
(MATEnet)



1x  
SYSTEM  
CONNECTOR

