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IVN2Eth Capture Module
CM 1000 HIGH

APPLICATION

Capture your Automotive Gigabit Ethernet traffic in the car without interfering the original network

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DESCRIPTION

The future brings connected and self-driving cars, for which an unprecedented amount of data is required. One technology soon to hit the road that addresses this challenge is Automotive Gigabit Ethernet.

With 12 ports, up-to 6 point-to-point 1000BASE-T1 connections can be captured with the Capture Module 1000 High. Using 40 ns resolution hardware time stamp and highly deterministic latency times, AVB/TSN traffic remains synchronized and can be accurately analyzed. For the high amount of data, both Standard Gigabit Ethernet, as well as SFP+ interfaces provide enough bandwidth for the uplink.

Several devices can be used on the same setup, whenever more 1000BASE-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

- ✓ 6 x Link Lines 1000BASE-T1 (12 Ports)
- ✓ Technically Enhanced Capture Module Protocol (time stamping...)
- ✓ Configure easily via webserver
- ✓ Network Time Synchronization (802.1AS) – allows to synchronize multiple 100 High 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: 186 x 130,4 x 32,5 mm

TECMP is compatible with PLP Protocol

1x 10 GBIT ETHERNET (SFP+)	3x STANDARD GIGABIT ETHERNET (RJ-45)	6x MATEnet 2 PORT	1x SYSTEM CONNECTOR