technica engineering

IVN2Eth Capture Module

CM CAN COMBO

APPLICATION

Capture your CAN(-FD), FlexRay and RS-232 traffic in the car via an Ethernet uplink

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DESCRIPTION

In the Era of autonomous driving one key challenge for the test and validation is the reliable capture of relevant in-vehicle-traffic from different communication technologies.

With the CM CAN Combo from Technica Engineering, the traffic from the conventional CAN busses, as well as CAN-FD, FlexRay and RS-232 can be captured without interfering the original networks.

The messages are timestamped with 40 ns resolution when captured and sent within the PDUs of Ethernet MAC II frames via 100BASE-T1 or Standard Ethernet.

Several devices can be used on the same setup, whenever more interfaces 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

- 6x CAN / CAN-FD
- 1x FlexRay
- 2x RS-232/TTL
- Technically Enhanced Capture Module Protocol (time stamping...)
- Configure easily via webserver
- Network Time Synchronization (802.1AS) – allows to synchronize multiple CAN 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
- 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 120 (134) x 32 mm

**TECMP is compatible with PLP Protocol*

6x CAN/ CAN-FD	1x FLEXRAY	2x RS232/TTL	1x GIGABIT ETHERNET (RJ-45)	1x SYSTEM CONNECTOR