IVN2Eth Capture Module
CM 100 HIGH

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

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DESCRIPTION

Automotive Ethernet has conquered the modern E/E vehicle network. The challenges that arise during test and validation include a reliable capture of AVB/TSN traffic, without interfering with the network timing. This challenge gets even bigger, with the need for diagnostics protocols to be sent to the DUTs during run-time.

Technica Engineering's CM 100 High Capture Module was specifically designed to solve these problems and many more, such as ensuring that it starts-up faster than the DUT's whose traffic it will capture and that the traffic is delivered with hardware time stamp.

Several devices can be used on the same setup, whenever more 100BASE-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 100BASE-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: 167 x 130 (143) x 32 mm

*TECMP is compatible with PLP Protocol

12x 100BASE-T1	3x STANDARD GIGABIT ETHERNET (RJ-45)	1x SYSTEM CONNECTOR