The Power to Log

Powerful Solution for Vehicle Testing and Validation of Automobile Networks
Accessory

Modular Hardware and Software Upgrade Options
Next Generation Data Logging: The Power Family

Autonomous driving and ADAS have a huge impact on vehicle networking architectures. Increasing data volume and the centralization of ECUs are not only a challenge for architectures - they also require a new generation of testing equipment that offers sufficient bandwidth, a rich number of interfaces and is able to deal with the amount of communication happening within a multicore ECU. With the Power Family, TTTech Auto has created a flexible and powerful product line that fulfills all requirements for logging modern networking architectures in vehicles. The data logger PM-200 and its extensions can be individually combined to fit any use case.
PM-200 – The Powerhouse for Data Logging

The PM-200 sets the bar considerably higher on the topic of safeguarding and troubleshooting vehicles. Bus systems such as CAN, CAN-FD, FlexRay™, LIN, MOST150 and Automotive Ethernet are logged at a data speed of up to 120 MB/s. SSD removable media allow for quick evaluation and distribution of the data. Various upgrade options enable configuration for any application. Flexibility, programmability and support of debugging protocols make it possible to meet the high demands of functionality and fleet tests as well as of test runs.

Key Benefits

- Comprehensive data logging with central time stamp (1 µs) and 120 MB/s data speed
- Replaceable SSD
- Extensive interfaces
- Up to 2 Ethernet extension modules
- Flexible upgrades
- Efficient power management (sleep mode up to 100 µA)
- Freely programmable using C/C++
- Live data visualization (optional)
PT-15B BroadR-Reach Ethernet Extension

Its twelve 100base-T1 (BroadR-Reach) interface packets enable logging of up to 6 Automotive Ethernet point-to-point connections which are looped through the PT-15B. The packets are time stamped and forwarded to the PM-200 via 1000b-T standard Ethernet connection.

Ready for the Future

The concept of modular and cascadable taps makes the entire logging solution future-proof as new taps will expand the possibilities of the Power Family.

Modular Options

Various hardware and software upgrade options enable individual configuration for any use case.
Choose Your Options – Our Modular Solution

Various upgrade options enable an individual configuration for any use case. Flexibility, programmability and support of debugging protocols make it possible to meet the high demands of functionality and fleet tests as well as test runs.

- **AXIS**: Video
- **CAN**: +12 CAN-FD incl. Acknowledgement
- **MOST**: MOST 150
- **Audio Recorder**
- **GPS**
- **Visualization incl. WLAN**
- **Extended Protocols**
- **Filter, Trigger, Classing**
The PC-3 is a universal, intelligent gateway tool that provides functions for data exchange between various bus systems such as CAN, CAN-FD, FlexRay™ and automotive Ethernet networks, as well as for real time data manipulation. It offers reliable support for all bus analysis and system integration during the development, integration, and test phases. For analysis, the user can forward selected data to either data loggers or to any portable visualization devices. Due to its compactness and robustness, the PC-3 is portable and easily deployable in any automobile. With the supplied tool any configuration can be quickly generated by a graphical drag and drop user interface.

**Key Benefits**

- 8-Way Gateway: 4 x HS-CAN/CAN-FD 2 x FlexRay, 2 x Ethernet 100base-T1 (BroadR-Reach)
- Signal routing and manipulation
- Comfortable network configuration via FIBEX, CANdb, and AUTOSAR TL (V3.0)
- Stand alone in vehicle operation
- Forwarding for logging or visualization
- Drag and drop tool for easy configuration
Advancing safe technologies, improving human lives.

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