IPEmeasure

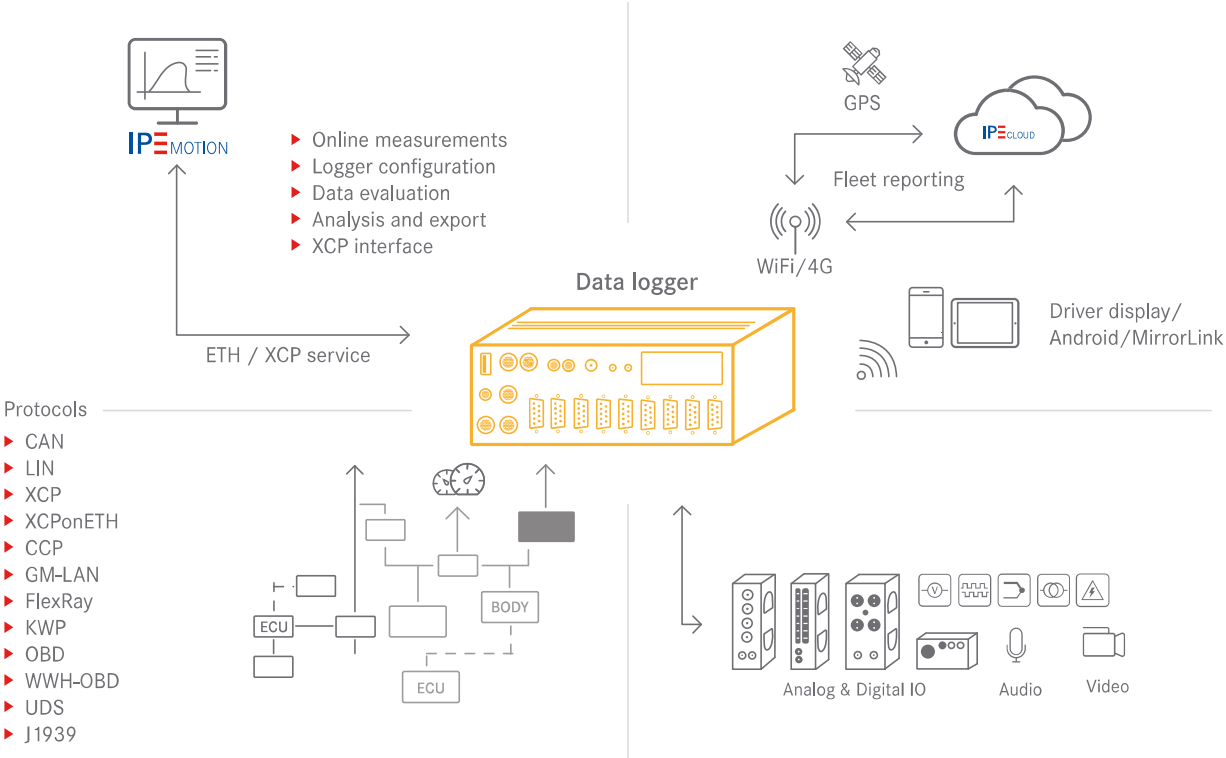
Data logger system overview

IPEmotion – measurement and configuration software

IPEmotion is the central configuration and measurement software for our logger and the corresponding analog and digital modules. Via an Ethernet connection (XCP service), the logger is configured and the measurement data can be displayed online and stored on your PC. The Log2PC interface is based on XCP on ETH standard, allowing you to transfer the online measurement data to other software programs like CANape or INCA using an A2L description file.

Wireless communication – modem / WiFi / GPS

WiFi, 3G and 4G modems guarantee a remote access to the logger worldwide. GPS positioning provides an exact determination of route and position. The remote access to configuration updates and measurement data is especially important for worldwide fleet management. With IPEcloud, the logger fleet can be monitored in an efficient way. The WiFi interface allows the driver to display essential online measurement data of the vehicle on their android tablet PC or in the vehicle head unit via MirrorLink.



Vehicle bus networks – ECU access

The data logger can be optimally integrated in the vehicle network topology and record CAN, LIN, and Ethernet protocols as well as Full CAN traffic measurements. They support an intelligent communication with the ECUs i.a. via Seed & Key functions. Their most important fields of application are the validation of powertrain and engine ECUs and the vehicle thermal management.

The modular extension – modules / video / audio/...

A logger as central data storage unit and gateway can be extended by various modules for analog and digital measurement points providing a high flexibility for the user. With large-channel analog and digital measurement points, data from the vehicle bus network can be compared to real-life ambience measurement values. The integration of audio and video signals allows the user to record the acoustic and visual ambient conditions of the vehicle.