

## Vehicle data acquisition from around the world

SATE (Italy) offers the CANpanion vehicle on-board data acquisition system based on a commercial ultra-mobile PC (UMPC) or a notebook that allows acquisition, real-time visualization and logging of CAN signals, GPS signals and other signals gathered from additional sensors (e.g. biomedical).



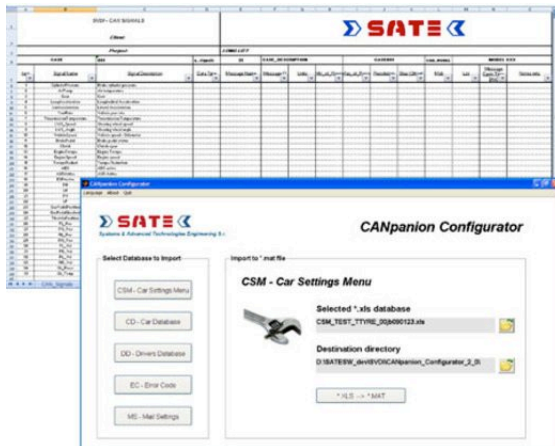
THE SOFTWARE TOOL ALLOWS ACQUIRING of the selected CAN signals (via a CAN-to-USB interface) in their original CAN messages structure and combines them with messages including additional signals ready to be sent automatically to a reserved FTP server or to a specified network address at the end of the acquisition session. The tool sends an acknowledge email to a list of addressee to download the acquisition data as soon as the upload is completed. It is also able to “unwrap” the signals from the CAN messages for post-processing analysis.

Processed data may be sent either via UMTS or via LAN WiFi. Thus a user may follow and analyze the data coming from different vehicles (located around the world) with the requirement of having available a network for data transmission.



The CANpanion technology is also available on embedded hardware without display in the CANpanionEVO for CAN and GPS data logging, automatic synchronization and standard data organization. The CANpanion family also includes the post processing CANpanionTools for the automatic generation of Excel-based reports of the acquisition sessions and the analysis of data acquired by the main product. The desktop software also adds further functionalities by extracting and automatically synchronizing the acquired signals in a **MATLAB** ready format.

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Further family member CANpanionConfigurator software tool is used for generation of custom configuration profiles for the CANpanion platform. The company is an engineering, research and development team providing services on system engineering and products for on-board diagnostics.