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MANAGING PROTOCOLS

CAN FD capable vehicle diagnostic tool

The multi-environment vehicle interface diagnostic tool TXT Multihub from Texa, manages different communication protocols in various situations. It is capable of intervening on cars, heavy-duty vehicles, motorcycles, boats, agricultural, and construction vehicles.

The tool is equipped with an integrated display and Linux operating system for connectivity; it is capable of intervening on cars, heavy-duty-vehicles, motorcycles, boats, agricultural, and construction vehicles (Source: Texa)

In recent years, the diffusion of electronics on board vehicles has been grown and has reached a high level of complexity, explained the company. Today repair specialists must be capable of working on different types of vehicles, with different diagnostic protocols, and multiple connection modes. In such a context, the company developed TXT Multihub, a vehicle interface that adapts to maintenance activities. It is a technologically advanced solution, featuring: the management of CAN FD, the presence of a built-in display, the IP53-certified rugged design, connectivity by the Linux operating system, DoIP, as well as Pass-Thru protocols.

The diagnostic tool is capable of intervening on cars, heavy-duty vehicles, motorcycles, boats, agricultural, and construction vehicles. Furthermore, Linux improves its IT security due to the communication in Smart mode: the interface automatically switches the channels based on the workshop dynamics and on the types of diagnosis, and chooses the best connection available without the mechanic having to intervene, explained the company.

The interface uses an advanced connectivity; it allows mechanics to work on various types of vehicle that enters the workshop. The tool communicates with the display unit through: a Wi-Fi module for the diagnostic operations that use Classical CAN, CAN FD, a network cable (Ethernet) reserved for DoIP operations (ISO 13400); a Bluetooth module for conventional diagnoses; a USB socket for all types of diagnosis, including the Pass-Thru (SAE J2534-1 and SAE J2534-2).

The product in action (Source: Texa)

Backlit display and reinforced body

The product is equipped with a backlit display that gives the possibility to view the information based on three types of messages: communication mode with the display unit, charging voltage of the battery in the vehicle it is connected to, operating status that can be standard diagnosis, DoIP Wi-Fi, DoIP Ethernet, Pass-Thru.

Furthermore, it allows having constant control on the tool's operation: it reproduces more than 40 messages that provide technicians with information they need during diagnostic operations. The product is equipped with a reinforced body with anti-shock corners. Its certified protection level is IP53, therefore it resists splashes of water and dust. Furthermore, the military standard MIL-STD 810G transit drop test allows it to absorb impacts and falls.

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