

CAN FD supporting tools for ADAC technicians

(Source: Hella Gutmann Solutions)



The “yellow angels” by the nonprofit ADAC association, helping German car drivers in case of vehicle breakdowns, get new diagnostic tools supporting CAN FD.

CAN FD is increasingly used in passenger cars. The German nonprofit association with more than 20 million members equips its road patrol vehicles with new diagnostic tools. The supplier is Hella Gutmann Solutions (Germany) offering the Mega Macs X series of handheld diagnostic devices. The ADAC nonprofit association operates about 1800 road patrol vehicles and there are 1000 vehicles more by contracted partners.

The Mega Macs X tool supports the roadside assistance in getting vehicles roadworthy again directly at the scene of the breakdown. It features DoCAN (diagnostic over CAN). Road patrol vehicles are currently being equipped with the new Mega Macs X multi-brand diagnostic tool, which has been specially adapted for the ADAC. This is the third time that ADAC has entrusted Hella Gutmann with a contract since the beginning of their partnership more than 20 years ago. "We are grateful for the trust placed in us and proud to be able to support the mobility of ADAC members with our advanced technology," explained Adnan Cemal, Managing Director of Hella Gutmann Solutions. With the decision to equip all road patrol vehicles throughout, the ADAC is relying on the quality of the Mega Macs X. Delivery of a total of 1800 units has begun, and first installations have already been implemented.

Electronic diagnostic tools are essential in modern roadside assistance, as the complexity of vehicle electronics is continuously increasing. The Mega Macs X contributes to the ADAC making vehicles roadworthy again directly at the scene of a breakdown, whether cars or motorcycles. Due to communication links such as CAN FD and Ethernet running diagnostic protocols (ISO 15765-2/-5 respectively ISO 13400 series), the tool can process large amounts of data from vehicles without being tied to a repair station. With the AI-supported "Automatic

Diagnosis" function, all necessary diagnostic steps can be carried out in order to identify the defective ECU (electronic control unit) or component. Of course, the handheld tool communicates wirelessly with the AI-based computers. In addition, it can unlock manufacturer-specific security locks for 22 brands due to "Cyber Security Management" (CSM).

Especially for the ADAC, the tool supplier has linked the Mega Macs X with the ADAC's own back-office diagnostic system. This seamless integration makes it possible not only to carry out diagnoses, but also to create and print reports for the casualty directly on the tablet on site. This ensures fast and efficient breakdown assistance, which benefits ADAC members. The handheld diagnostic device only accesses servers operated in Europe. This guarantees compliance with strict data protection standards – an important aspect for the ADAC when choosing a provider.

"The Mega Macs X improves our responsiveness and can further increase the success rate," said Thomas Reynartz, head of the roadside assistance. The continuous updating and expansion of the functions of the Mega Macs X also ensures that the high coverage of a wide range of vehicles is also guaranteed in the future. This also ensures in the long term that members are reliably helped in the event of a breakdown.

Hella Gutmann Solutions is located in Ihringen (Germany). The 500-employees company is part of the Hella Gutmann Group, a company of Hella. Its portfolio of solutions includes equipment for automotive workshops, car dealerships, and vehicle inspection organizations, as well as digital products for fleet operators, insurers, and the aftermarket. It covers technical data, software and equipment for diagnostics, emission testing, light adjustment, and system inspections on vehicles.

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