

Diagnostic device mega macs X for vehicle communication of tomorrow

- mega macs X from Hella Gutmann handles DoIP and 'Security Gateway'
- State-of-the-art diagnostics for traditional and battery-electric vehicles

As a result of automotive evolution, increasing data volumes and transmission rates demand the use of new on-board power supply and security concepts in vehicles. The trend is toward Ethernet wiring, high-performance controllers and cyber security gateways. In fact, the first vehicle models are already on the road whose system communication is designed purely for Ethernet, i.e. no longer downward compatible. This means that the diagnostic device, as an essential means of communication between the workshop and the vehicle, must also be compatible with the new technologies. The mega macs X multi-brand diagnostic device from Hella Gutmann 'understands' and 'speaks' the language of the latest vehicle generation – regardless of its type. It has been designed with the ultra-fast communication standards of future vehicles in mind.

The technical framework for communication with vehicles whose systems are networked via fast Ethernet is provided in the mega macs X by electronic chips integrated in the device and the processing of DoIP protocols. Of course, the mega macs X can also communicate with traditional CAN bus-based vehicle networks. This technical equipment and the considerable vehicle coverage of the mega macs software make the mega macs X a true all-rounder. The modern device diagnoses several tens of thousands of vehicle models of all common brands, including already more than 200 with battery-electric or hybrid drive. The compatible MT-HV high-voltage measurement technology upgrades the application possibilities for vehicles with new drive types.

Press release

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The technical aspect for the diagnosis of modern vehicles is joined by the legal one: Cyber security systems à la 'Security Gateway' are increasingly securing onboard networks against unwanted access. They can prevent a diagnostic device from establishing communication with the vehicle or – depending on the manufacturer's concept - reduce it to a minimum. Thanks to its integrated 'Cyber Security Management' (CSM), a mega macs X also elegantly overcomes this barrier. Provided a one-time personal authentication at Hella Gutmann, CSM allows the diagnosis of secured vehicles without detours via OE portals. This future-proof function for garages is currently available for 12 car brands and will be successively expanded by Hella Gutmann to include further brands - such as Renault and Kia most recently. It is available in every mega macs X from configuration X² onwards, as well as in other mega macs devices with an Update Plus license, at no additional cost.

Note: This text and corresponding photo material can also be found in our press database at: www.hella-gutmann.com/de/hella-gutmann/presse/ or <https://www.hella.com/hella-com/en/Press-7633.html>

Hella Gutmann Solutions GmbH, Ihringen: The company has about 500 employees, is headquartered in Ihringen/Breisach, Germany, and belongs to the Hella Gutmann Group, which is a corporation of HELLA GmbH & Co. KGaA. The product portfolio focuses on professional equipment for auto repair shops, car dealerships, and vehicle testing organizations. Core products are data, the software, devices and tools for diagnostics, exhaust emission tests, headlight adjustment, system checks as well as the corresponding measuring technology. About 45,000 automotive companies in 24 countries work with the equipment and professional expertise of Hella Gutmann Solutions every day. They benefit from the high German quality standards and customer-oriented services such as the Technical Help Line, technical training, technical data, and sales & marketing support.

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