VIN|ING 600

WLAN-Ethernet Bridge for Applications with DoIP

VIN|ING 600 is a compact VCI for mobile use with Diagnostics over Internet Protocol (DoIP). It is a simple way of ensuring communication between a diagnostic app or the Diagnostic Tool Set DTS8 and a vehicle with Ethernet access.

Areas of Application

- Flexible vehicle access for applications with DoIP
- Measurement data recording in road tests
- Diagnostic applications in service
- Fast and reliable flash programming

Advantages

- Cost-effective thanks to dedicated product orientation
- User-friendly thanks to sturdy, compact design
- Flexible thanks to controllable activation line
- Broad light band enables clearly visible status information
- All necessary type approvals provide security

Universal and Flexible

The interface works as a WLAN-Ethernet bridge and is a 1:1 implementation of the Ethernet interface of the vehicle for wireless LAN. Via the standardized D-PDU API (ISO 22900-2), the application communicates with the vehicle via UDS on IP (ISO 14229) and DoIP (ISO 13400). This is the interface for the Diagnostic Tool Set DTS8 on a notebook or a diagnostic app on a smartphone. Customized versions can also be implemented on request.
The activation line required for DoIP has a flexible design and can be controlled via software. This means different implementations of gateway ECUs can be taken into consideration and Ethernet communication ensured in all relevant situations.

Easy to use

VIN|ING 600 is easy to use and can be connected with a smartphone like any other standard WLAN device. The device has an eye-catching, ergonomic, compact design that leaves plenty of leg room in the footwell on road tests. Thanks to the light band across the entire housing front, the status of WLAN and Ethernet communication is easy to see from lots of different perspectives.
This WLAN bridge is a genuine alternative to a cable with an RJ45 connector - not only for mobile use. This means that familiar problems that often occur because of wear and tear at the connector or cable break, can thus be avoided.

Reliable and Safe

The ECE type approval and the associated EMC tests guarantee the interference-free and safe operation of the device in the vehicle. By using a glass-fiber reinforced and impact-resistant plastic as well as a high-grade OBD connector, the device can also withstand severe strain.
Thanks to the WPA2 encryption with PSK, the vehicle data is safe from any attempted eavesdropping over the transmission path.

Technical Data

Format	Approx. 80 x 45 x 25 mm
Power supply	9 to 32 V
Power consumption	Approx. 1.5 W
PC interface	WLAN 802.11 b/g/n
Vehicle interface	Ethernet 100 MBit/s Pin assignment according to ISO 13400-4 option 1 Activation Line active
Encryption	WPA2 with PSK
Temperature range	Operation: 0 ... +40 °C, Storage: -20 ... +70 °C
Type approval	ECE type approval compliant with regulation R10.05 R&TTE: EN 300 328, EN 301 489-1/-17 (vehicular and portable use) Emission: EN 55022 Class B Immunity: EN 6100-4-2/-3/-6 Road vehicles - Electrical disturbances: ISO 7637-2 Safety: EN 60950, EN 62311
Radio permits	Austria, Belgium, Bulgaria, Canada, China, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Russia, Slovakia, Slovenia, South Africa, Spain, Sweden, Switzerland, Turkey, United Kingdom, USA Other countries on request
Software interface	D-PDU API software license, for use together with DTS or OTX products
System requirement	WLAN interface compatible with IEEE 802.11 b/g/n Operating system see data sheet D-PDU API

Order Numbers

VINING-600	WLAN to Ethernet Bridge with integrated diagnostic connector (SAE J1962 / ISO 15031-3)

Supplementary Products and Services

DIAG-APP (on request)	App for mobile vehicle diagnostics and test (Android)
DTS8L+MONACO	All-in-one engineering tester DTS 8 Monaco for diagnostic and control functions of vehicle ECUs with comprehensive coverage of all tasks in engineering, testing and test preparation