VIN|ING Interfaces

The interfaces of the VINING family cover all applications which require communication with one or more ECUs. At the beginning of the vehicle life cycle, the residual bus simulation as well as measurement tasks and data logging are typically required alongside classic diagnostic tasks. With hardware and software exactly tailored to the particular task, innovative communication concepts can be implemented cost effectively in the development and production of individual vehicle components as well as vehicles. In after-sales service, the VCIs are used with a TDX repair shop tester from Softing or a customized application. For engineering tasks, however, VINING-VCIs are often used with Softing DTS or automation solutions.

VIN|ING 1000

VIN|ING 1000 is a compact and universal VCI with USB interface to the host and CAN and K-Line to the vehicle. The combination of sturdiness, compact design and attractive price makes this VCI the perfect choice for use in the Manufacturing and After-Sales Service environment.

Areas of Application

- Universal use in Manufacturing and After-Sales Service
- Fast and reliable flash programming
- Test and validation
- Simulation

Advantages

- Reliable protocol handling in the interface
- State-of-the-art, cost-effective standard VCI
- Multiple vehicle interfaces with a compact design
- Sturdy aluminium housing with protective caps
- Flexible expansion thanks to USB host interface

Reliable Protocol Handling

Data preprocessing and protocol handling in the interface ensure fast response times and reliable real-time behavior regardless of the system environment (e.g. software running on the PC). The most important communication protocols UDS (ISO 14229), KWP 2000 (ISO 14230, ISO 15765) as well as SAE J1939 are supported via the standardized D-PDU API (ISO 22900-2). The VCI can also be used as a PassThru device in accordance with SAE J2534. Together with our Diagnostic Tool Set DTS, an integral solution in accordance with the MCD-3D standard ISO 22900-3 can be realized with ODX technology.

Future-Proof and Flexible

The VIN|ING 1000 can be updated in a software update and can be extended for a range of application scenarios via its USB host interface. Mobile applications can be realized with an optional Bluetooth dongle and upgrading can take place with a USB memory stick. If required, versions with only one CAN highspeed interface or with a sturdy, lockable USB cable are made available. As an additional option, digital and analog I/O interfaces continue to be available.

Excellent Value for Money

The implementation of two separate CAN channels and two K-lines in the compact and sturdy design means VIN|ING 1000 represents unique value for money. One of the two CAN channels can be switched by software between CAN high-speed and CAN fault-tolerant.

Vehicle cables with different types of diagnostic connector are on offer for the D-SUB port. Thanks to the shock-absorbing plastic protective caps the device is protected from detrimental mechanical effects from the outside. Furthermore, the VCI avoids possible damage to the vehicle.

https://automotive.softing.com/products/vehicle-communication-interfaces/vining-family/vining-1000.html

VIN|ING 2000

VIN|ING 2000 is a further powerful VCI for the VIN|ING product family. With its compact design and WLAN, LAN and USB as interfaces to the host system as well as CAN, K-Line and Ethernet to the vehicle, VIN|ING 2000 is particularly well suited for future-proof manufacturing and after-sales service applications as well as in road tests.

Areas of Application

- Mobile applications in engineering, development, testing, manufacturing and after-sales service
- Fast and reliable flash programming
- Diagnostic tests and data logging in road tests
- Future-proof diagnostic solutions with DoIP (Diagnostics over IP)

Advantages

- Reliable time response thanks to data preprocessing and protocol handling in the interface
- Compact design with integrated diagnostic connector
- Maximum WLAN security thanks to enterprise authentication with certificates
- Flexible and kink-resistant USB and LAN cables with magnetic fastening

Remote Applications with D-Server

VIN|ING 2000 is equipped for innovative and contemporary application scenarios. Highly integrated components and a modular software architecture enable an MVCI diagnostic server to be run on the VCI and stored ODX data to be processed. This enables vehicles in a whole range of mobile applications to be accessed remotely by a tester system.

Use as Stand-alone Diagnostics and Flashing Device

With OTX sequences being run on VIN|ING 2000, entire diagnostic tasks can be processed independently and without a connection to a host system. This makes it possible to realize applications, such as independent programming solutions, actuator diagnostics and other control tasks, simply and at an acceptable price.

https://automotive.softing.com/products/vehicle-communication-interfaces/vining-family/vining-2000.html

The VCIs are available with several programming interfaces

- D-PDU API compliant with ISO 22900-2
- PassThru API compliant with SAE J2534
- CAN Layer2 API
- VCF API

Contact

Softing Automotive Electronics GmbH
Richard-Reitzner-Allee 6
DE-85540 Haar

Email: info.automotive@softing.com
Phone: +49-89-45-656-420
Fax: +49-89-45-656-499
Web: http://www.softing.com

Features

No features listed.