

EDIC Interfaces

□ The diagnostic interfaces of the EDIC family are based on a 16-bit microcontroller platform and are predestined for use in the medium performance range for diagnostic tasks and flash applications with a range of ECUs. The EDIC platform has proved itself over time and is characterized by its stable runtime behavior and the implementation of a large number of standardized and customer-specific diagnostic protocols.

Areas of Application

- Diagnostic applications for engineering, manufacturing and after-sales service
- Test and validation
- Fast and reliable flash programming
- Functional ECU tests and communication tests
- Use for residual bus simulation with CanEasy
- Suitable for cars and commercial vehicles

Benefits

- VCIs tailored to the different areas of application
- Data preprocessing and protocol handling in the interface
- Several independent communication channels for
- CAN and K-line
- Intelligent data buffering for parallel communication channels
- Large number of standardized and OEM-specific vehicle protocols available
- Galvanic isolation

The right VCI for every use case

The Multibus VCI EDICusb is particularly suitable for using heterogeneous on-board electrical systems with CAN bus, K-line and LIN bus, and enables universal implementation in engineering and testing. EDICpci is a versatile interface and is primarily used in stationary applications thanks to its high-performing internal link via the PCI bus.

Standardized and powerful programming interfaces

The diagnostic protocols are handled directly in the interface. This ensures fast response times and reliable real-time behavior regardless of the PC operating system. Extensive buffer mechanisms make parallel operation of several communication channels possible. By combining several diagnostic interfaces, the number of communication channels available on the PC system can quickly be adapted to the relevant application. The VCIs can be updated with software upgrades and are thus always equipped for future applications. This is also the way to realize customer-specific software solutions. With many VCIs, the CAN bus physics can be varied by using piggybacks or by switching the CAN bus physics. Based on the D-PDU API as a standardized programming interface, the Diagnostic Tool Set DTS from Softing can deliver a complete solution compliant with the MCD-3D standard (ISO 22900-3) and ODX technology.

EDICusb

Multibus VCI with USB interface for use in engineering and testing.

<https://automotive.softing.com/products/vehicle-communication-interfaces/edic-family/edicusb.html>

EDICpci

High-performance VCI with PCI interface for stationary applications.

<https://automotive.softing.com/products/vehicle-communication-interfaces/edic-family/edicpci.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

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Features

No features listed.