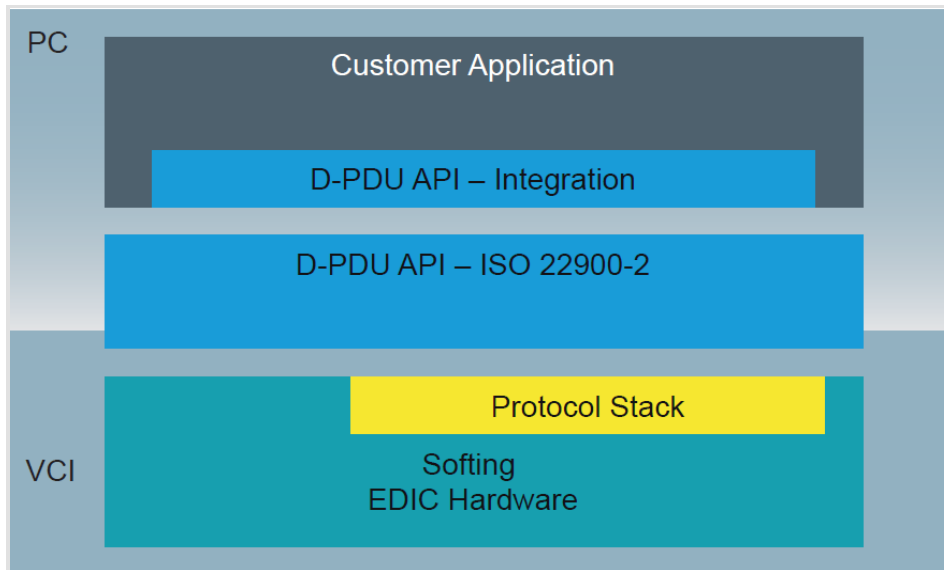


EDIC-MVCI

Standardized Vehicle Access via D-PDU API

The EDIC-MVCI product family links the tried and tested EDIC interfaces with a D-PDU API. This makes it possible to use EDICs with all standard-compliant D-servers in an ODX system in accordance with ISO 22900. But you will also appreciate the advantages when it comes to direct programming on the Softing D-PDU API.



AREAS OF APPLICATION

- Diagnostics, coding and flash programming within a D-server
- Diagnostics, coding and flash programming in test systems
- OBD applications
- Communication applications for engineering, manufacturing and after-sales service

ADVANTAGES

- Standardized API interface in accordance with ISO 22900-2
- Parallel access to ECUs, even with several interfaces
- D-PDU API software for EDIC vehicle interfaces from Softing
- Standardized communication protocols and parameters, coordinated with ODX
- MVCI hardware for various application areas with standard software interface
- Cost reduction thanks to standardized components and interfaces

Standard

Vehicle interfaces that comply with the MVCI standard offer high-performing, standardized mechanisms for exchanging data with ECUs. Standardized communication parameters mean it is simple to use applications in new use case scenarios.

Safe

The vehicle protocols are handled directly in the EDIC interface. This ensures fast response times and reliable real-time behavior regardless of the PC operating system and the resources required by the application. In fact the application experiences load reduction thanks to protocol-specific mechanisms (e.g. FlowControl, segmenting).

Flexible

Interfaces for various areas of application can be operated via the Softing D-PDU API software interface in accordance with ISO 22900-2. The various forms of the interfaces enable customized use in all kinds of areas, whether in test drives using a Bluetooth interface or in the test field with a PCI plug-in card.

Parallel

The capacity for parallel communication with several ECUs, even via different bus systems, and the scalability ensure high flexibility in the realization of a whole range of projects.

Technical Data

	EDICblue	EDICusb	EDICwlan	EDICpci	EDICcard2
PC interface					
Bluetooth® V1.1 / V2.0 Cl. 2	✓				
WLAN IEEE 802.11 b/g			✓		
USB 2.0 full-speed	✓	✓	✓		
Mini USB connector	✓				
Standard USB connector		✓			
Sturdy ODU special connector			✓		
PCI Rev 2.2				✓	
PCMCIA type II					✓
Vehicle interface					
Suitable for 12V onboard power supply	✓	✓	✓	✓	✓
Suitable for 24V onboard power supply		✓	✓	✓	✓
Physical Layer					
K/L line ISO 9141(-2)	1	1	1	1	1
K line Multiplexer - 12 ch.			✓		
CAN 2.0B high-speed	1	2	1	2	1
CAN low-speed ¹	1 ²	1	1	1 or 2 ³	1
Vehicle connection					
D-SUB connector		✓		✓	
Vehicle adapter with D-SUB connector					✓
Cable with connector in acc. with ISO 15031-3/ SAE J1962		✓	✓ ⁴		✓
Connector integrated in housing in acc. with ISO 15031-3/SAE J1962	✓				
Galvanic isolation from PC interface	Only with Bluetooth®	✓	✓	✓	✓ With FZIF ⁵
Software / supported operating systems					
D-PDU-API protocol software in acc. with ISO 22900-2	✓	✓	✓	✓	✓
Windows XP from SP3	✓	✓	✓	✓	✓
Windows 7	✓	✓	✓	✓	✓

¹ CAN low-speed transceiver alternatively switchable

² With product variant EDICblue-LS

³ With optional bus physics

⁴ Sturdy cable with ODU round connector

⁵ Vehicle interface

Order Numbers

EDICblue	Bluetooth vehicle interface with OBD connector, D-PDU API software interface and USB cable (approx. 3m)
EDICblueLS	Bluetooth vehicle interface with OBD connector, low-speed CAN vehicle access, D-PDU API software interface and USB cable (approx. 3m)
EDICusb	USB full-speed vehicle interface with D-PDU API software interface, vehicle cable (approx. 0.8m) and USB cable (approx. 2m)
EDICcard2	PC card/PCMCIA vehicle interface with D-PDU API software interface and vehicle cable (approx. 3m)
EDICpci	Vehicle interface as PCI plug-in card with D-PDU API software interface
EDICwlan	WLAN vehicle interface in aluminum housing with battery buffering, D-PDU API software interface, vehicle cable (approx. 1.5m), USB cable (approx. 5m) and storage case

Softing
Automotive Electronics GmbH
Richard-Reitzner-Allee 6
85540 Haar / Germany
T +49 89 456 56-420
F +49 89 456 56-499
info.automotive@softing.com
www.softing.com