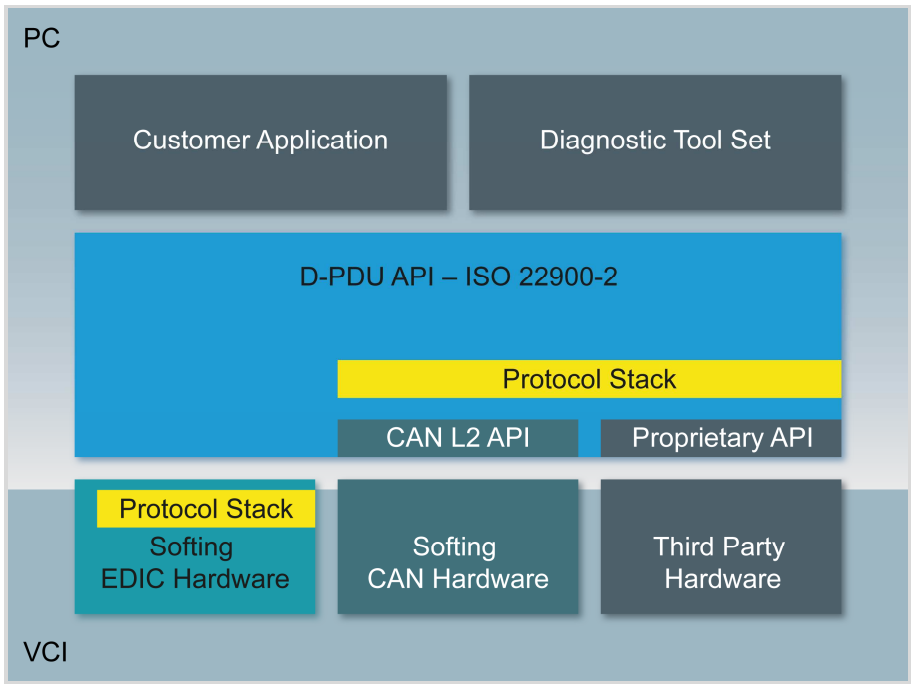
D-PDU API

Standardized Vehicle Access via D-PDU API

Our D-PDU API software enables the easy integration of SOFTING diagnostic and communication interfaces into diagnostic tools. In all EDIC interfaces the communication protocol stack is implemented as embedded software.



D-PDU API for EDIC and CAN Vehicle Interfaces

The D-PDU API software is available for both EDIC interfaces and CAN interfaces from SOFTING. It can also be used for retrofitting EDIC- or CAN interfaces already existing at the customer site. If required, third-party vehicle interfaces with a proprietary programming interface can also be equipped with the SOFTING D-PDU API software.

D-PDU API with Diagnostics over IP protocol

The much higher bandwidth of Ethernet in comparison to the CAN bus make Diagnostics over IP (DoIP) a real alternative to today's CAN networks. The SOFTING D-PDU API is delivered "DoIP ready".

Easy D-PDU API programming access with „EasyPDU“

EasyPDU reduces the complexity of the D-PDU API programming interface and allows a simpler, object-oriented access to the functionalities of the D-PDU API. EasyPDU is designed for use with C + +, Python and. NET.

D-PDU API Solution Expertise

SOFTING provides you with optimum support in your projects based on comprehensive expertise gained through long years of active participation in standardization committees, a range of customer projects and the extensive portfolio of hardware and software products. SOFTING can implement its existing expertise to great effect particularly with new projects in connection with D-PDU API, D-Server and ODX – especially with problems concerning the migration of old systems.

AREAS OF APPLICATION

- Applications for diagnostics and flash programming
- Test, manufacturing and service tester applications
- Applications for vehicle communication via bus systems such as CAN
- Direct access to hardware interfaces by the application or via a diagnostic server in accordance with ISO 22900-3

BENEFITS

- Powerful mechanisms for exchanging data with ECUs
- Communication protocol handling within the D-PDU API software
- Simple transferability or extension of applications already created thanks to standardized communication parameters
- Parallel communication with several ECUs, also via a range of bus systems
- Scalability
- High flexibility
- D-PDU API interface support with Diagnostic Tool Set

Data Sheet

Technical Data

Operating systems	Windows XP SP 3 (32 Bit) Windows 7 SP 1 (32 and 64 Bit)
Standard conformity	ISO 22900-2
PC interfaces	USB WLAN Bluetooth PCI PCMCIA/PC card type II
CAN protocols	ISO_15765_3_on_ISO_15765_2 ISO_14230_3_on_ISO_15765_2 ISO_OBD_on_ISO_15765_4 ISO_11898_RAW MSP_KW1281_on_TP16 MSP_VW2000LP_on_TP16 MSP_VW2000LP_on_TP20 MSP_SFTNG_ISO_11898_onboard
K-line protocols	ISO_14230_3_on_ISO_14230_2 ISO_OBD_on_K_Line MSP_KW1281_on_ISO_9141_2 MSP_VW2000LP_on_ISO_14230_2
Diagnostics over IP	ISO_14229_5_on_ISO_13400_2
Delivery scope	D-PDU API software with license and documentation on a data carrier or as an Internet download

Supported Hardware Interfaces

SOFTING EDIC interfaces	EDICusb, EDICblue, EDICpci, EDICwlan, EDICcard2
SOFTING CAN interfaces	CANpro USB, CANusb, CAN-PRO2-PCIE, CAN-AC2, CANcard2
Third Party Interfaces	On request

Supplementary Products and Services

EasyPDU	On request: D-PDU API extension for simplified programming access using .NET, C++ und Python
DTS8L+MONACO	DTS8 Monaco, universal development tester for test and analysis tasks; incl. DTS8 Base System

Order Numbers

PDUAPI-EC	D-PDU API software for EDIC and CAN hardware from SOFTING on a data carrier

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