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 DoIP (Diagnostics over IP) interface**
The growing volume of driver assistance and infotainment systems in modern vehicles is making greater demands in terms of download time for flash programming. The SOFTING D-PDU API supports DoIP according to ISO 13400 and is thus perfectly prepared for current performance requirements.

**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
- D-PDU API interface support with Diagnostic Tool Set
### Technical Data

**Operating systems**
- Windows 7 SP 1 (32 and 64 Bit)
- Windows 8.1 (32 and 64 Bit)
- Windows 10 (32 und 64 Bit)
- Android (currently supported: UDS / ISO 14229: ISO 15765-3 / 14229-3 on 15765-2)
- iOS and Linux (on request)

**Standard conformity**
- ISO 22900-2

**CAN protocols**
- OBD / ISO 15031: ISO 15031-5 on 15765-4
- KWP1281 on VW TP1.6
- KWP2000 light plus on VW TP1.6
- KWP2000 light plus on VW TP2.0
- ISO 11898 RAW
- SOFTNG ISO 11898 onboard

**K-line protocols**
- OBD / ISO 15031: ISO 15031-5 on 14230-4
- KWP1281 on ISO 9141-2
- KWP2000 light plus VW 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
- EasyPDU: Interface for simplified access using .NET, C++ and Python (part of CD and download distribution)

### Order Numbers

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDUAPI-EC</td>
<td>D-PDU API software license (ISO 22900-2), for use without DTS or OTX products for CAN and PassThru interfaces (SAE J2534) as well as for DoIP (ISO 13400) without VCI.</td>
</tr>
<tr>
<td>PDUAPI-LIC</td>
<td>D-PDU API software license (ISO 22900-2), for use together with DTS or OTX products for CAN and PassThru interfaces (SAE J2534) as well as for DoIP (ISO 13400) without VCI.</td>
</tr>
</tbody>
</table>

### Supplementary Products and Services

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>S-DONGLE</td>
<td>Micro USB license dongle, as an alternative to licensing on a hardware interface</td>
</tr>
<tr>
<td>DTS8L+MONACO</td>
<td>All-in-one engineering tester DTS 8 Monaco for diagnostic and control functions of vehicle ECUs which comprehensively covers all tasks in the areas of engineering, testing and preparation of manufacturing tests</td>
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</tbody>
</table>

### Supported Hardware Interfaces

<table>
<thead>
<tr>
<th>Interface Type</th>
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</thead>
<tbody>
<tr>
<td>SOFTING EDIC Interfaces</td>
<td>EDICusb, EDICblue, EDICpct, EDICwlan, EDICcard2</td>
</tr>
<tr>
<td>SOFTING VIN</td>
<td>ING Interfaces</td>
</tr>
<tr>
<td>SOFTING CAN Interfaces</td>
<td>CANpro USB, CANusb, CAN-PRO2-PCIe, CAN-AC2, CANcard2</td>
</tr>
<tr>
<td>KVASER CAN Interfaces</td>
<td>Leaf Professional HS, Leaf Light HS, Leaf Light HS v2, Memorator Pro HS/HS, USBcan II HS/LS, PCIcanx HS/HS, PCIEcan HS/HS</td>
</tr>
<tr>
<td>VECTOR CAN Interfaces</td>
<td>VN16xx</td>
</tr>
<tr>
<td>VECTOR CAN Interfaces</td>
<td>CANcard XL, CANcase XL, CANboard XL, VN7600</td>
</tr>
</tbody>
</table>
| PassThru Interfaces              | D-PDU API software can access to VCs, which are supporting a generic PassThru interface. The following PassThru Interfaces are released:  
- DrawTech CarDAQ+ v1.9.13  
- I+ME Actia PassThru XS+ v2.07  
- DearBorn VSI-2423 v2.04.16  
- BlueStreak iFlash v4.20/2.13 |

1. hardware interface can be used for licensing of PDUAPI-LIC respectively DTS/OTX products alternatively to S-DONGLE
2. hardware interface can be used for licensing of PDUAPI-EC alternatively to S-DONGLE
3. driver from manufacturer required