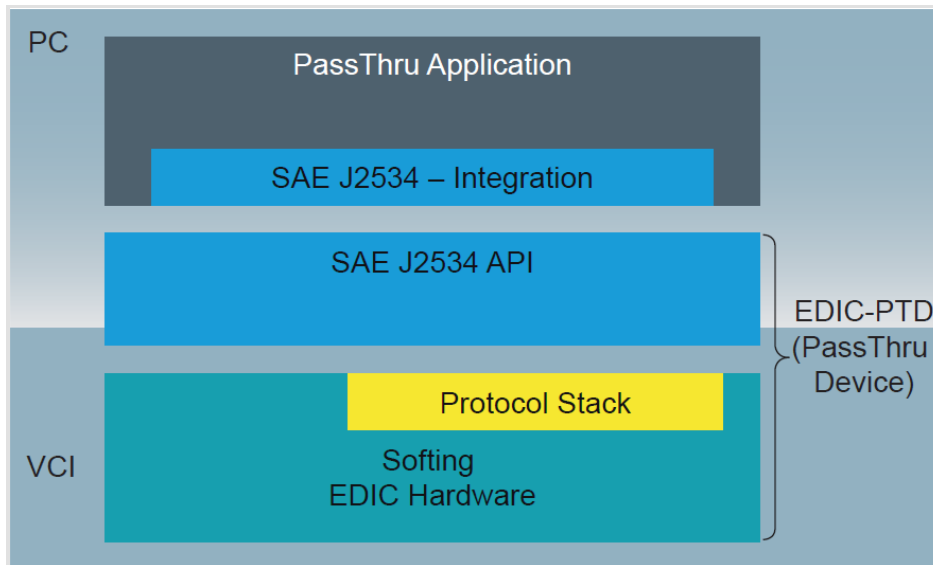


EDIC-PTD

Standardized Vehicle Access via PassThru Interface

The EDIC-PTD product family links the tried and tested EDIC interfaces with a PassThru API. This makes it possible to use the EDICs in all application cases in which it makes sense to use an API compliant with SAE J2534-1: in vehicle programming and diagnostics in engineering, manufacturing and service.



Standard-Compliant SAE J2534-1 API

EDIC-PTD fulfils the SAE J2534-1 standard for CAN and K-line which means the interfaces can be used immediately with existing applications for flash programming in independent repair shops - the original use case of the Standard. Implementation in new projects is just as easy - the handling of the API is intuitive and thus very easy to learn. A PassThru interface is used just as often in OBD applications. In vehicle approval in accordance with SAE J1699, this kind of interface is mandatory.

Protocol Handling in the Interface

The vehicle protocols are handled directly in the PassThru Device. This ensures fast response times and reliable real-time behavior regardless of the PC operating system and the resources required by the application.

Flexibility

Interfaces for different areas of application can be operated via the Softing PassThru software interface in accordance with the SAE J2534-1 standard. 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.

Application Example

The EDIC-PTD PassThru Devices can be used in a large number of ways in repair shops and manufacturing thanks to the standardized SAE J2534-1 interface. In independent repair shops, the EDIC-PTD can be used together with the manufacturer-specific PassThru software for diagnostic communication or flash programming of vehicles from different manufacturers.

AREAS OF APPLICATION

- Independent repair shops for diagnostics of emissions-relevant ECUs
- Independent repair shops for programming ECUs
- Brand repair shops for simple diagnostics tasks on vehicles of other brands being used as part exchange on a new vehicle
- OBD applications
- Diagnostic applications in the testing and repair shop sector

ADVANTAGES

- Open, standardized interface in accordance with SAE J2534-1
- PassThru software interface for EDIC vehicle interfaces
- Standardized communication protocols and parameters
- Interfaces for various application areas with a standard software interface

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					
PassThru software interface in acc. with SAE J2534-1	✓	✓	✓	✓	✓
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-PTD	Bluetooth vehicle interface with OBD connector and PassThru software interface and USB cable (approx. 3m)
EDICblueLS-PTD	Bluetooth vehicle interface with OBD connector, low-speed CAN vehicle access and PassThru software interface and USB cable (approx. 3m)
EDICusb-PTD	USB full-speed vehicle interface with PassThru software interface, vehicle cable (approx. 0.8m) and USB cable (approx. 2m)
EDICcard2-PTD	PC card/PCMCIA vehicle interface with PassThru software interface and vehicle cable (approx. 3m)
EDICpci-PTD	Vehicle interface as PCI plug-in card with PassThru software interface
EDICwlan-PTD	WLAN vehicle interface in aluminum housing with battery buffering, PassThru software interface, vehicle cable (approx. 1.5m), USB cable (approx. 5m) and storage case

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