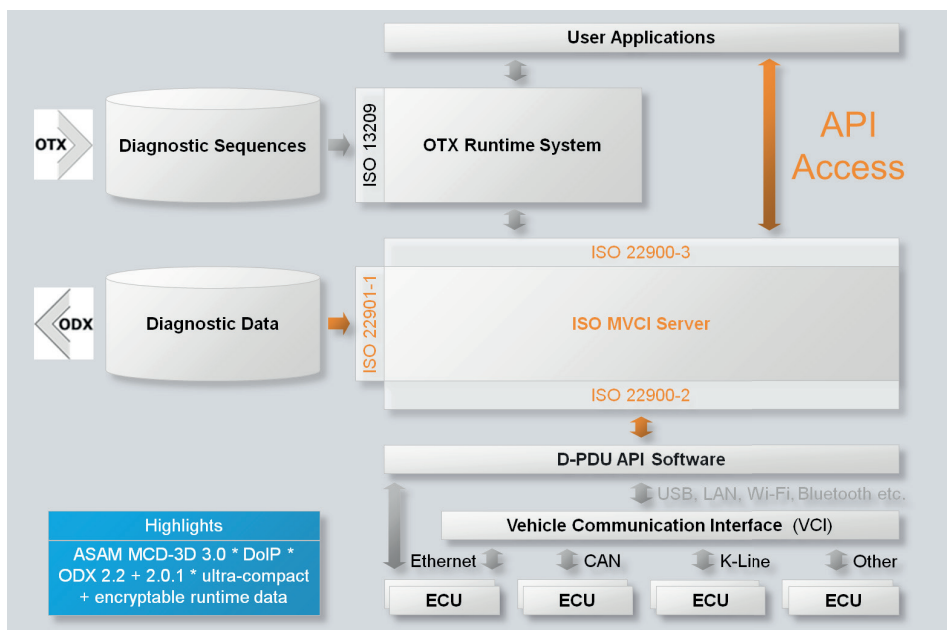


DTS 8 COS

Access to the programming interface of the ISO MVCI Server for individual applications

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Using the DTS Base System for the development of individual applications enables users to focus on the actual vehicle diagnostics as well as to get results quickly and cost-effectively. DTS COS unlocks the required API access.



Areas of Application

- Engineering & Test: Release of ECUs, creation and validation of test sequences, HiL systems
- Manufacturing: End-of-line test systems, test benches, programming stations
- After-Sales Service: Diagnostic runtime system for service testers

Benefits

- Faster and more cost-effective engineering
- Less dependency on individual tool suppliers as based on the latest standards
- No detailed knowledge of bus protocol necessary as access takes place symbolically
- Downward compatibility: ODX 2.0.1 Legacy Mode, DTS 7 projects based on D-PDU API protocols, DTS 7 Java Job Legacy
- Ultra-compact runtime format reduces memory requirements and enables faster updates in the field
- Considerable increase in security thanks to OEM-specific runtime data encryption

Verified by the ASAM Test Suite

DTS COS is part of Softing's Diagnostic Tool Set product family and enables user applications to access the programming interface of the ISO MVCI Server.

Verified by extensive tests in accordance with the ASAM test suite, Softing's ISO MVCI Server most closely corresponds with all relevant standards. Comprehensive trace functions enable developers and engineers to rapidly detect errors in their own applications or in the communication with ECUs.

Outstanding Performance

In addition to the advantages of using ODX as well as easily utilizing most diverse bus protocols via different manufacturers' VCIs, it can be used to access several ECUs at the same

time or the whole vehicle via different bus systems. If necessary, parallel communication is also possible via several VCIs.

Faster Creation of Individual Applications

The API Developer Kit for the ISO MVCI Server, beside extensive documentation and programming examples, comprises a special Test Application. It makes it possible for developers to establish communication to the vehicle or single ECUs immediately, i.e. without their own application development. Using a special Configuration API, the runtime system can be configured entirely by an external application in terms of VCIs, projects etc.



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Technical Data	
ISO MVCI Server	See data sheet Diagnostic Tool Set 8 – System Overview
Standard compliance, e.g.	ISO 22901-1/ASAM MCD-2D, ODX V2.2.0 and 2.0.1 (Open Diagnostic Data Exchange), ISO 22900-3/ASAM MCD-3D V3.0.0 programming interface, ISO 22900-2 (D-PDU API)
Applications in Production and Aftersales	Using diagnostic VCIs is recommended, other VCIs need to be validated for the actual case of operation
Operating systems	Additionally on request: Windows XP (32-bit, SP 3), Linux, Android and iOS (with different delivery scope possibly)
Licensing	Several tools in the delivery scope for MS Windows based systems (e.g. Database Differ and Analyzer) are available with standard licensing via USB dongle or VCI only

Order Numbers	
DTS8L+COS	Standalone ISO MVCI server incl. API access for user applications
DTS8L+COS-LITE	Standalone ISO MVCI server incl. API access for user applications with the restriction, that the used ODX data respective DTS projects must not contain more than one single ECU
DTS8L-COS	Optional extension for DTS Automation, DTS Monaco or OTX Studio: Access to the API of the ISO MVCI server with user applications
DTS8L-API-DK	API Developer Kit for the ISO MVCI server. Including test application, configuration API and interface description files to access the COM API. Documentation: ASAM MCD-3D reference, C++/JAVA/COM API incl. Softing specific extensions. Example applications: Java, Python, Visual Studio 2010 Solution for COM, C#, C++.
DTS8S-COS-START	Start package with max. 40 h instruction and application support by telephone/ e-mail/ web conference or in person at Softing in Haar incl. one-on-one handover and documentation briefing.
DTS8L-COS-MSP	Maintenance and Support Package for DTS 8 COS(-LITE) incl. support by telephone and e-mail with regard to installation, setup and operation; minor and medium software upgrades free of charge as well as major software upgrades at a reduced rate.

Supplementary Products and Services	
S-DONGLE	Micro USB license dongle, as an alternative to licensing on a hardware interface
Other cross-product options	See data sheet Diagnostic Tool Set 8 – System Overview