



eng**DAX**-Modules

The toolbox for the eng**DAX** communication server completes the workflow system by licenses and components for the automation of manual work steps

Benefit

Reduction of error potentials and acceleration of operations through reproduction of any user scenarios in the data exchange

The Modules to the engDAX Communication Server

As an economically thinking and customer-oriented company we are greatly concerned about minimizing your future industry-sector-specific investments. This is reflected in integrated, future-proof technologies on the one hand and in the modular structure

of engDAX on the other. With the toolkit-like design of the software we can offer you a data exchange solution from the DAXware-product family tailor-made for your individual requirements.

Basic Modules

● engDAX.ODETTE

ODETTE is an established protocol for electronic interchange of data in the automotive industry. engDAX supports the OFTP VDA recommendation 4914/2, which guarantees a powerful and secure data transmission via TCP/IP and ISDN.

The advantages of this module in an overview:

- Data communication with all distinguished OEMs and well-known automotive suppliers is possible
- Restart-functionality in case of interrupted data transmission
- Authentication of communication partners
- Discharging the users through automatically pre-empted contact data of each communication partner after the one-time set-up of communication partners and the according parameter

● engDAX.OFTP2

engDAX.OFTP2 upgrades the OFTP transmission module (engDAX.ODETTE) and comprises OFTP V1.4 as well as the new transmission standard OFTP V2. The latter includes data and session encryption thus ensuring message safety, if communication takes place via the internet.

The advantages of this module in an overview:

- Higher transmission speed by using the internet
- Secure data transmission by encryption machines and signed end-to-end response
- 255 instead of 26 characters maximum length available for description and transmission of file names
- All advantages of ODETTE are integrated

● engDAX.ENGDAT

With engDAX.ENGDAT an electronic delivery note for every file to be sent is created containing additional information on the sender, the receiver and the CAD/CAM file. Due to this information data can be forwarded directly to the work station of the construction engineer. Today many OEMs and well-known automotive suppliers demand the ENGDAT standard according to VDA 4951 for the electronic data exchange.

The advantages of this module in an overview:

- Direct addressing of CAD/CAM data to an appointed person
- Transmission of data specific additional information (delivery note)
- Integrated technology to compress individual files (gzip)
- Marking of the data packets

● engDAX.ENGPART

In summary all the functions of this module are comparable to business cards in e-mail systems.

One's own communication data can be exported and provided to a partner in electronic form. Through the import of an ENGPART file the communication system of a partner is generated automatically and information on the company, several contact persons, as well as the CAD system in use is created.

Thus errors, which can arise through manual entry, can be eliminated and new potential opens up in saving time and costs.

The advantages of this module in an overview:

- Time- and cost-saving as errors can be avoided by the importing of contact data
- Automatic providing of contact data to customers and suppliers

User and Channel licenses

Channel licenses

- **engDAX.Channel**

Based on the varying demands of data communication and quantity of data traffic engDAX can be supplemented with further transmission channels if need be. engDAX.Channel is disposable as the versions ISDN, X.31 and TCP/IP.

- **engDAX.FTP**

With the module engDAX.FTP a further mode of transmission has been integrated thus providing the option to connect communication partners not only via OFTP but alternatively via FTP as well. Thereby the operating mode of the system does not change and all existing modules and functions of engDAX can be used as usual.

User licenses

For the platform independent operation of the engDAX communication server 2 different user licenses are available:

- **engDAX.FixedClient:**

Not transferable license, can be used by a fixed user.

- **engDAX.FloatingClient:**

Transferable license, alternately useable by any user.

Modules for Optimization

- **engDAX.E-Mail-Reporting**

With the module engDAX.E-Mail-Reporting the construction engineer is comfortably informed via e-mail on incoming data, whereby an immediate processing of incoming orders is initialised.

In the e-mail important information on sender, transmission time and date, file name and file size are clearly displayed.

When receiving an ENGDAT packet the electronic delivery note is additionally interpreted and pasted in the e-mail in plain text.

The module offers the option to inform your communication partner automatically on an accomplished data transmission with outgoing files. The appearance of the e-mail can be adjusted to your corporate design at any time – even afterwards.

The advantages of this module in an overview:

- Immediate information via e-mail for the person in charge (internal and external) on transmission procedures instead of the permanent monitoring of the exchange process
- Interpretation of the ENGDAT delivery note in plain text in the e-mail message

- **engDAX.Compress**

In the field of electronic data exchange often a packed archive is required in case of sending several files. In order to avoid time-consuming packing and unpacking, the purchase of the module engDAX.Compress is a rewarding investment. In case of incoming files the module takes over the unpacking of the container in an automatically created subdirectory of the routing folder. Additionally you can choose between several compression formats when data are to be sent so that outbound files are automatically packed into an according archive. engDAX.Compress supports the most current formats as TAR, TAR.GZ, WINZIP and PKZIP.

The advantages of this module in an overview:

- Pre-configuration of the required target format for communication partners (TAR, TAR.GZ, WINZIP and PKZIP)
- Avoiding of errors and time saving through automatic packing and unpacking of files

● **engDAX.DirectoryScan**

By integrating the module engDAX.DirectoryScan the sending of data is automatically carried out by storing them in directories with the settings of the receiver.

Thereby you and your colleagues are able to send data even if engDAX is not running.

The advantages of this module in an overview:

- No knowledge of the operating of engDAX necessary
- Simple connection of already existing administration systems (e.g. ERP, PDM, company-specific systems)

● **engDAX.PortalCompany**

engDAX can be used as internet portal for data exchange with external communication partners as well. Your partners can sign in on your portal via the internet, send and download data via the web portal. Your exchange partner only needs an internet access. Thus all data exchanging activities stay completely transparent and are centrally operable via one system.

The advantages of this module in an overview:

- Connection with external communication partners without one's own OFTP system for the data exchange via internet
- Transparent data exchanging activities
- The total data exchange via only one central system
- Automatized processes useable from engDAX for data received from a connected partner

● **engDAX.Backup**

The module engDAX.Backup relieves you by taking over the automatized saving of inbound and outbound user data to pre-defined directories. The directory structures, set-up at your desire, can be saved to archival storage media afterwards or be used for a long-time archival storage.

The advantages of this module in an overview:

- Automatic back-up of inbound and outbound data
- Data back-up according to company-specific folder structures

● **engDAX.COMSecure**

The encryption of data with COMSecure is mandatory for communication partners of AUDI and VW. The module engDAX.COMSecure meets this request by a complete integration of the encryption and decryption procedures. Once configured for a user no additional operating expense occurs in case of data exchange with a partner.

The advantages of this module in an overview:

- No additional operating expense when exchanging data codified with COMSecure
- Avoiding of errors when sending data with predefined encryption parameters

Module for the commercial Data exchange

● **engDAX.XLATE**

The module engDAX.XLATE makes it possible to carry out the engineering as well as the commercial data transmission via only one system. With the integrated conversion software for commercial data any format conversions can be created and embedded in the data exchange process. Conversions can be carried out from and to EDI (VDA, EDIFACT, X12, XML, inhouse and IDOC). On the basis of partner specific criteria data will be automatically verified, converted and transferred to the subsequent process steps after receiving them or before being sent.

The advantages of this module in an overview:

- Transmission of engineering and commercial data via only one system
- Automatic conversion of data into the required target format
- Error alert at any incorrect syntax of a file

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