CONNECTING SOFTWARE TO FEIG READERS

FEIG SDK

- Linux®
- Windows®
- Microsoft .net
- C/C++
- Java
- USB™
- Samples
- Training
- Android
- Support
- Consulting
- DLL
- Raspberry Pi
- LabView®
- XML
- BizTalk® RFID

Software Drivers

Standard Driver for FEIG HF and UHF reader families

- **WHQL certified Windows USB Kernel-Driver**

- **LLRP Wrapper Application**

Standard Driver for FEIG CPR reader and FEIG myAXXESS reader

- **WHQL certified Windows USB Kernel-Driver**

- **WHQL certified Windows PC/SC Kernel-Driver**

Software Development Kits (SDK)

Standard SDKs for FEIG HF and UHF and FEIG CPR reader families

- **ID ISC.SDK.Win**   **(DLLs, C++ Class Library, Samples)**

- **ID ISC.SDK.Linux**   **(SOs, C++ Class Library, Samples)**

- **ID ISC.SDK.Linux_embedded**   **(SOs, C++ and Java Class Library)**

- **ID ISC.SDK.Raspi**   **(SOs, C++ and Java Class Library)**

- **ID ISC.SDK.Android**   **(SOs, C++ and Java Class Libraries)**

- **ID ISC.SDK.NET**   **(DLLs, .NET Class Library, Samples)**

- **ID ISC.SDK.Java**   **(DLLs/SOs, Java Class Library, Samples)**

SDKs for embedded Linux in Long-Range Reader ID ISC.LR2500-A and LRU3x00

- **ID ISC.SDK.ACC-LR-FMB08**   **(SOs, C++ and Java Class Library, Samples)**

Software Support for Windows Vista / 7 / 8 / 10
(x86- and x64-Bit)

FEIG ELECTRONIC

ID ISC.SDK.NET

.NET library

.NET 4.0 and higher

OBIDISC4NET
Core, CoreAPI

ID ISC.SDK.Java

Java library

JRE 8 compatible

OBIDISC4J
Core, CoreAPI

ID ISC.SDK.Win

C++ class library

Ready for Visual Studio 2017

FEDM
Core, CoreAPI

Native 64-Bit Library available

Function libraries (DLL)

FEFU | **FETCL** | **FESCR**

FEISC

Native 64-Bit Libraries available

FECOM | **FEUSB** | **FETCP**

Applications-Level

Kernel-Level

Windows-driver

Driver OBIDUSB.SYS

V3.26 Ready for Windows 10

Windows-driver

Bluetooth | **RS232 RS4xx** | **USB** | **LAN**

Software Support for Linux

(x86- and x64-Bit Runtime Libs)

FEIG ELECTRONIC

ID ISC.SDK.Java

Java library — JRE 8 compatible

OBIDISC4J
Core, CoreAPI

ID ISC.SDK.Linux

C++ class library

FEDM
Core, CoreAPI

Function libraries (SO)

FEFU **FETCL** **FESCR**

FEISC

FECOM **FEUSB** **FETCP**

Applications-Level

Kernel-Level

Linux-driver   libusb   Linux-driver

Bluetooth   **RS232 RS4xx**   **USB**   **LAN**
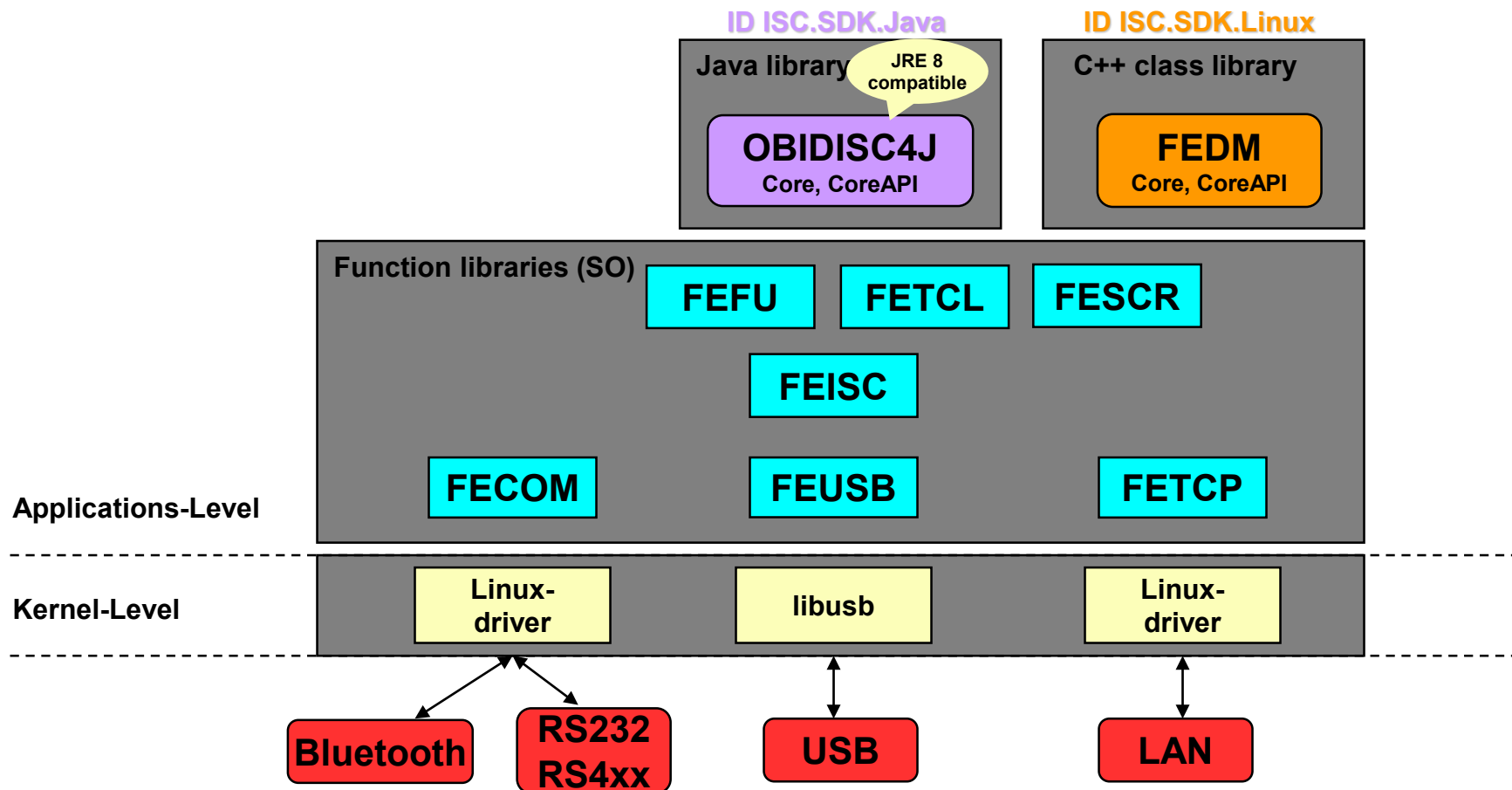
Software Support for embedded Linux
(different ARM Runtime Libs)

FEIG ELECTRONIC

ID ISC.SDK.Linux_embedded

Runtime platforms on request

Java library — JRE 8 compatible

OBIDISC4J
Core, CoreAPI

C++ class library

FEDM
Core, CoreAPI

Function libraries (SO)

FEFU | **FETCL** | **FESCR**

FEISC

FECOM | **FEUSB** | **FETCP**

Applications-Level

Kernel-Level

Linux-driver | libusb | Linux-driver

Bluetooth | **RS232 RS4xx** | **USB** | **LAN**
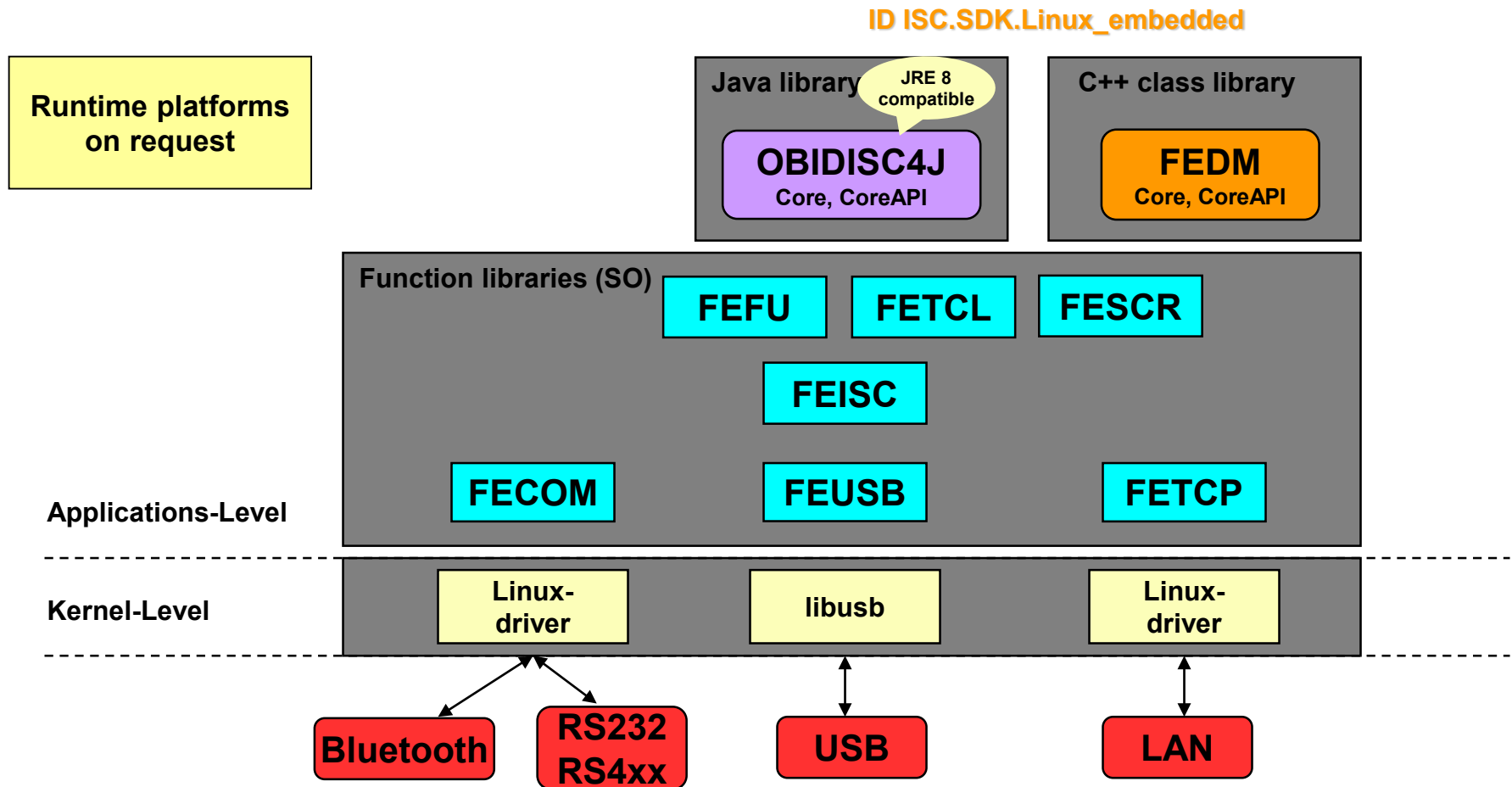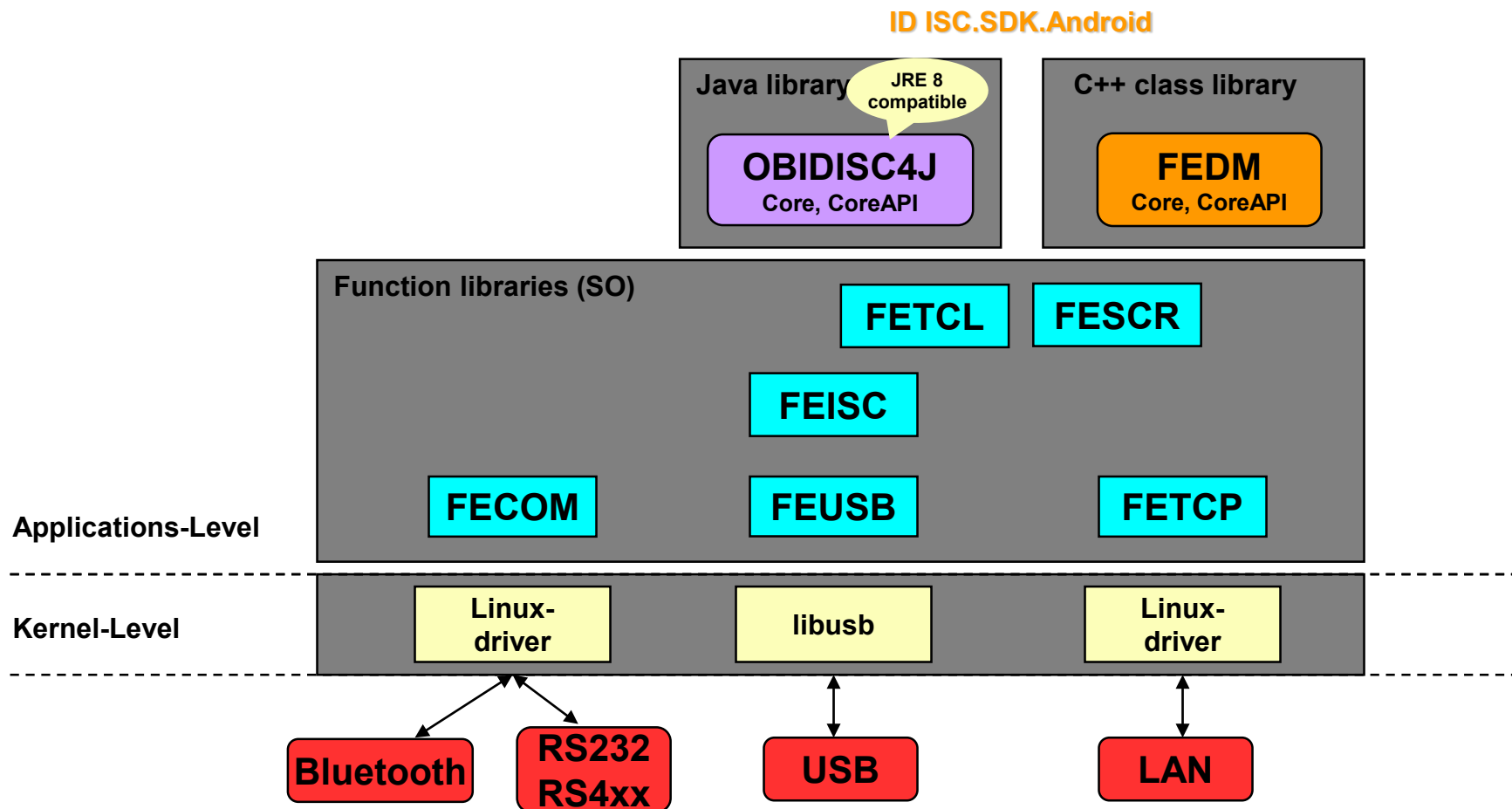
Software Support for Raspberry Pi with Raspbian OS
(Support for Model 2 and 3)
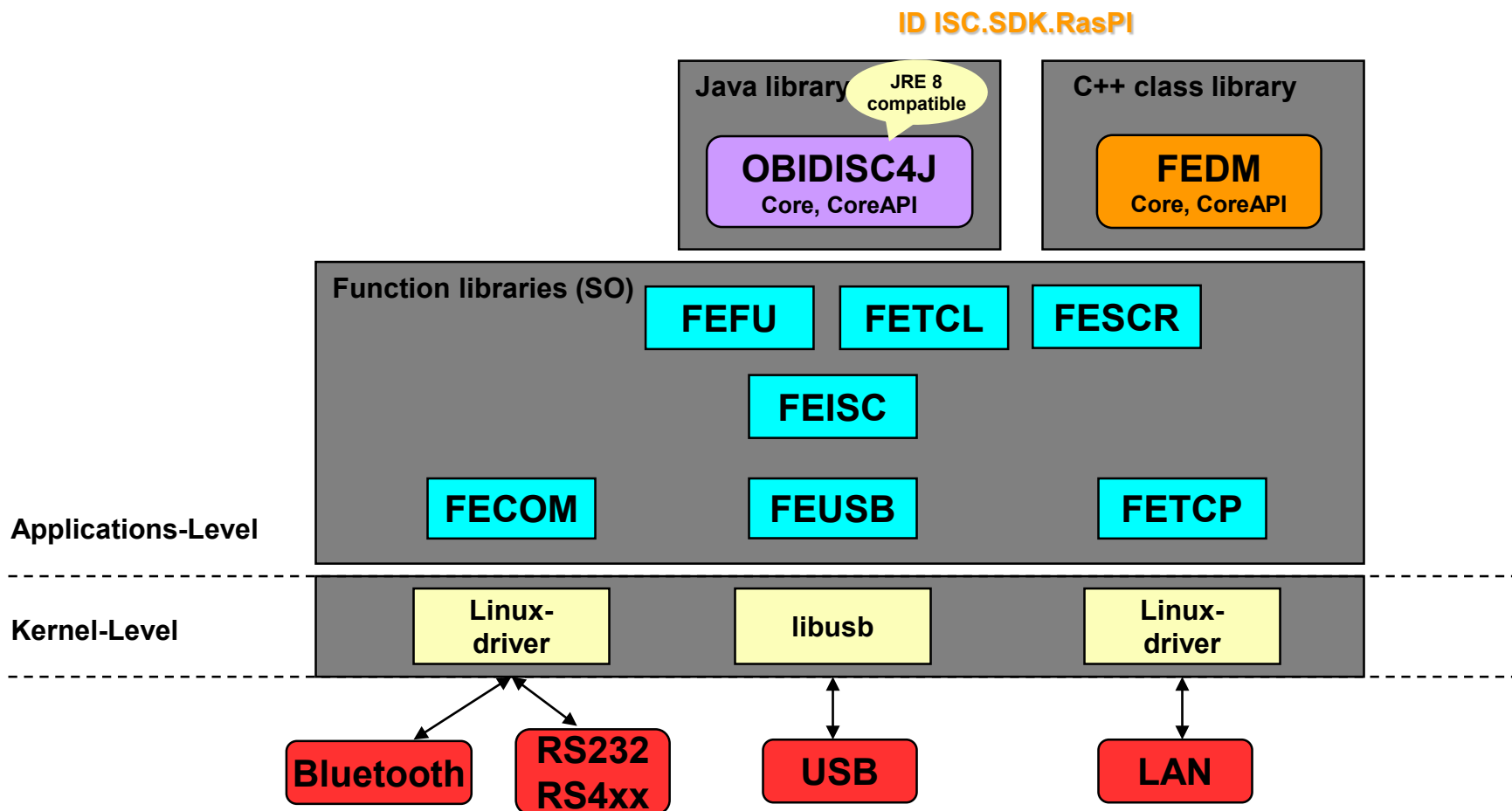
Software Support for Android 6 or higher
(ARM and Intel, each 32- and 64-Bit Runtime Libs)

ID ISC.SDK.Android

Java library — JRE 8 compatible

OBIDISC4J
Core, CoreAPI

C++ class library

FEDM
Core, CoreAPI

Function libraries (SO)

FETCL   FESCR

FEISC

Applications-Level

FECOM   FEUSB   FETCP

Kernel-Level

Linux-driver   libusb   Linux-driver

Bluetooth   **RS232 RS4xx**   **USB**   **LAN**

Software Support for Java

(x86- and x64-Bit Runtime Libs)

Linux and Windows in one SDK

ID ISC.SDK.Java

Java library

JRE 8 compatible

OBIDISC4J
Core, CoreAPI

Function libraries (DLL/SO)

FEFU **FETCL** **FESCR**

FEISC

Applications-Level

FECOM **FEUSB** **FETCP**

V3.26 Ready for Windows 10

Kernel-Level

Kernel-driver

libusb / OBIDUSB.SYS

Kernel-driver

Bluetooth **RS232 RS4xx** **USB** **LAN**
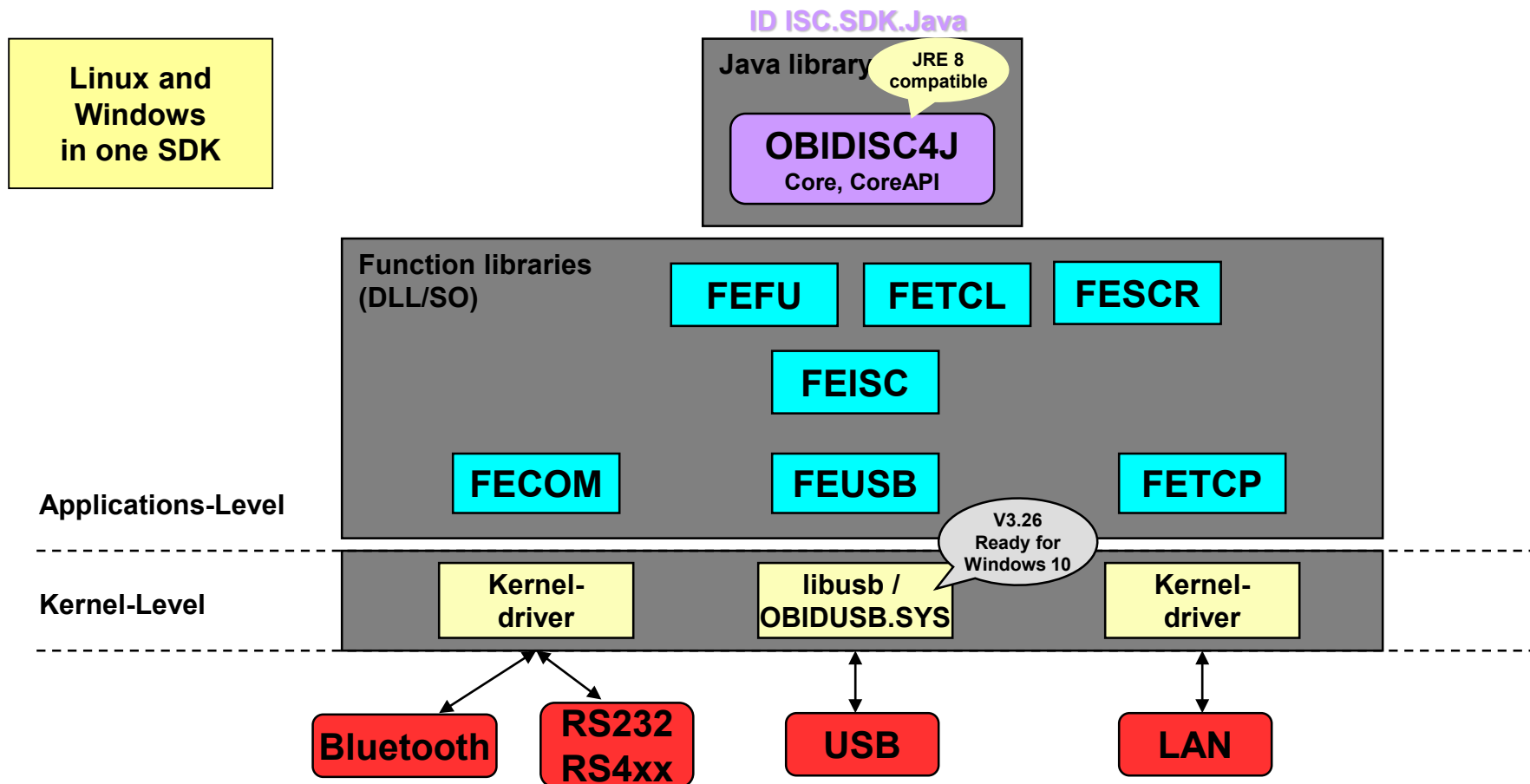
Software Support for .NET
(32- and 64-Bit Framework)

FEIG ELECTRONIC

ID ISC.SDK.NET

available only for Windows

.NET library

.NET 4.0 and higher

OBIDISC4NET
Core, CoreAPI

Function libraries (DLL)

FEFU | FETCL | FESCR

FEISC

FECOM | FEUSB | FETCP

Applications-Level

Kernel-Level

Windows-driver | Driver OBIDUSB.SYS | Windows-driver

V3.26 Ready for Windows 10

Bluetooth | RS232 RS4xx | USB | LAN
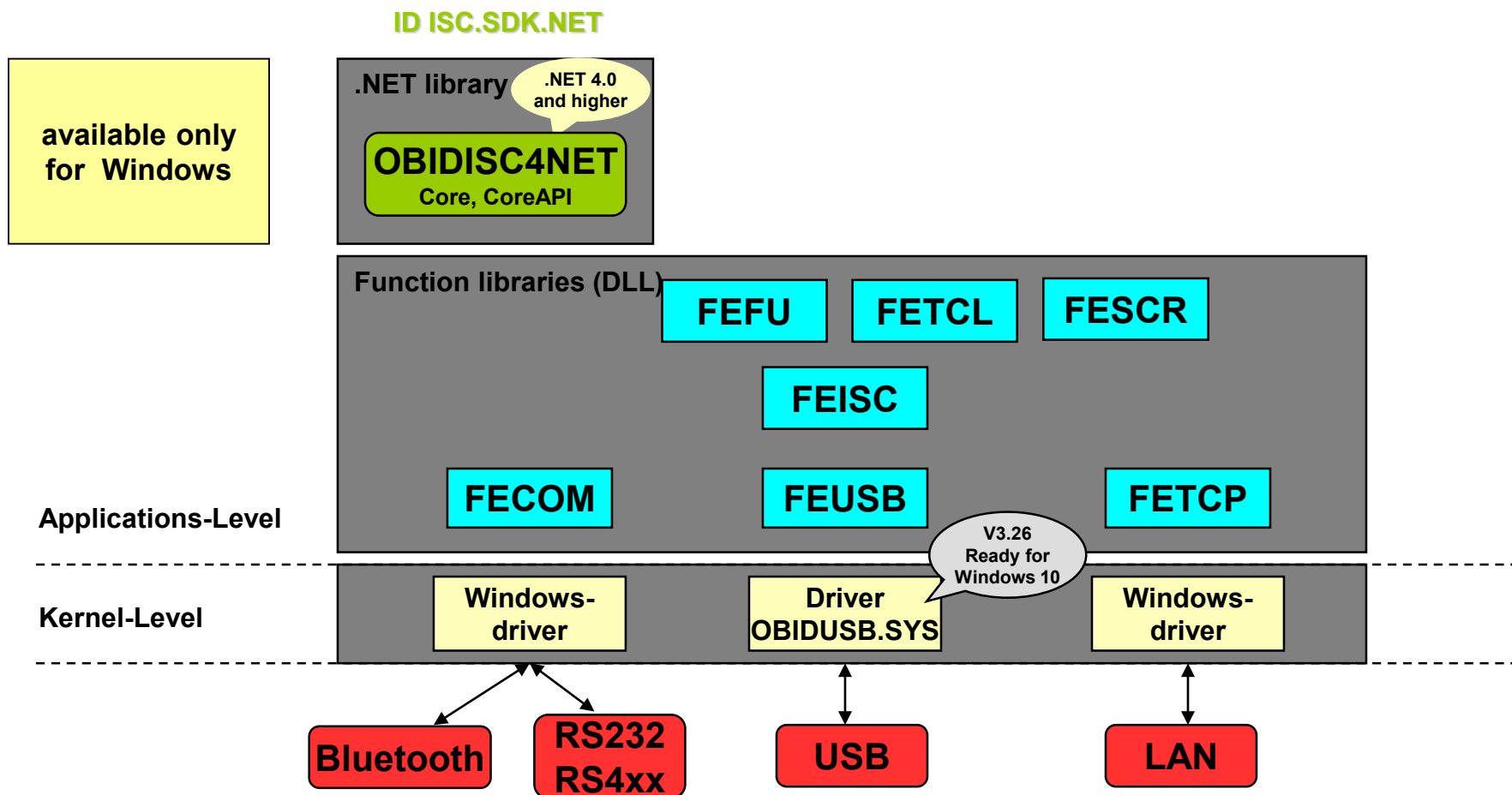
Software Support for C/C++

- **Visual C++ 2012/2013/2015/2017**
- **GNU Compiler** *(open source compiler)*
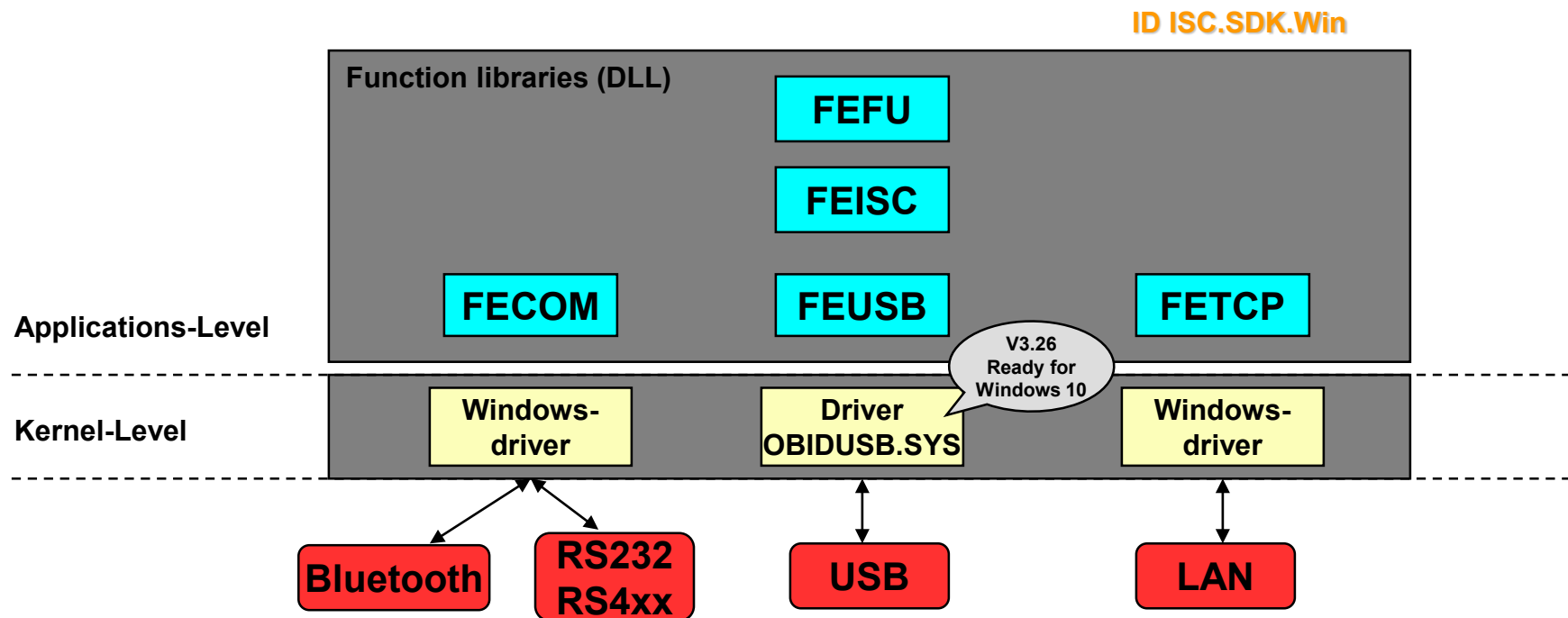- **Windows/Linux: Native 64-Bit Libraries available**

C++ class library

FEDM
Core, CoreAPI

Ready for Visual Studio 2017

Native 64-Bit Library available

Native 64-Bit Libraries available

Function libraries (DLL/SO/DYLIB)

FEFU   **FETCL**   **FESCR**

FEISC

FECOM   **FEUSB**   **FETCP**

Applications-Level

V3.26 Ready for Windows 10

Kernel-Level

Windows-driver   **libusb / OBIDUSB.SYS**   **Windows-driver**

Bluetooth   **RS232 RS4xx**   **USB**   **LAN**
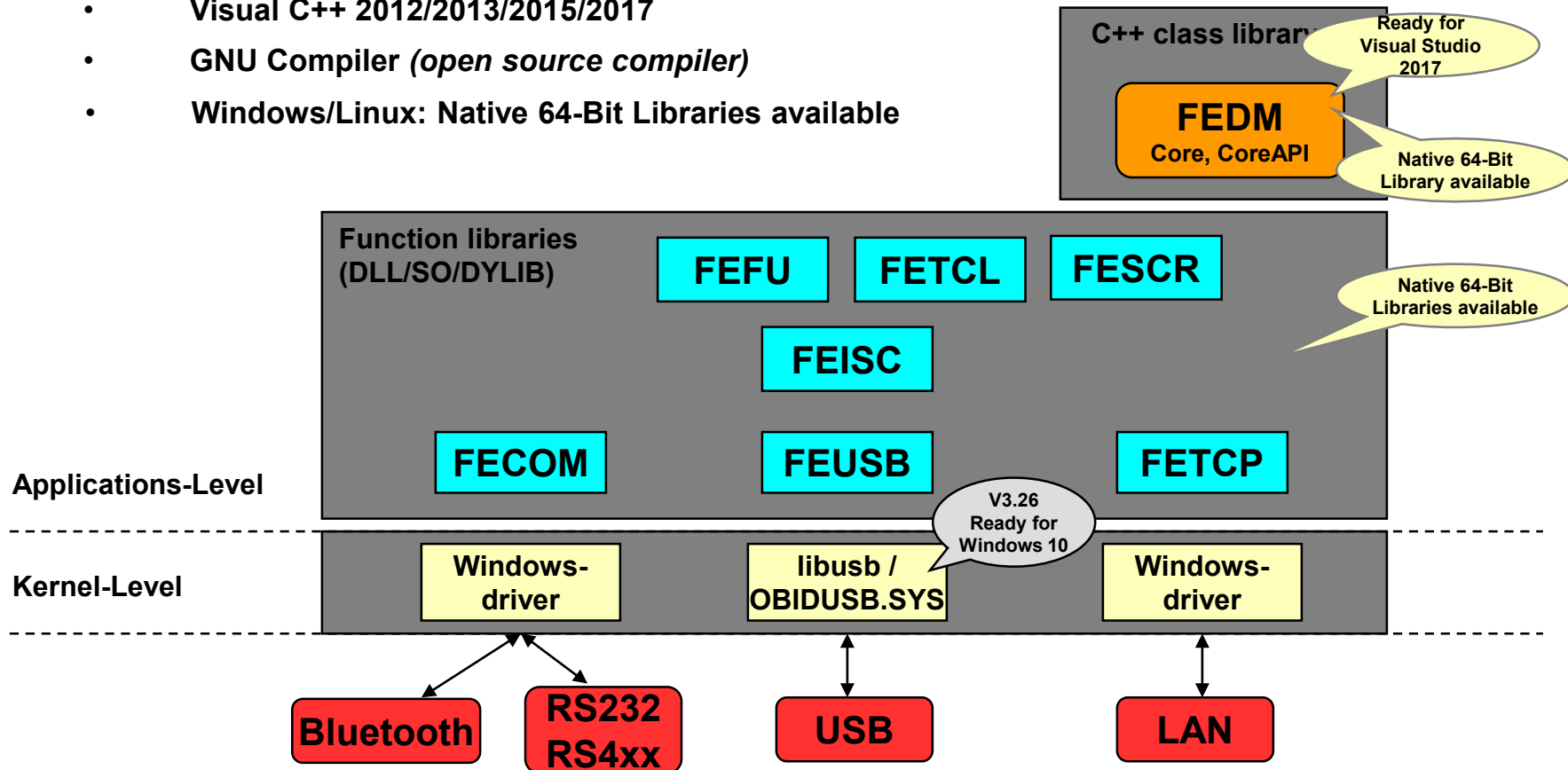
Software Support for LabView and LabWindows CVI

National Instruments

How to add a shared library:

http://digital.ni.com/public.nsf/allkb/DCB90714981A1F148625731E00797C33
http://www.youtube.com/watch?v=CdG--UMpNhg

ID ISC.SDK.Win

Function libraries (DLL)

	FEFU
	FEISC

Applications-Level

FECOM	**FEUSB**	**FETCP**

V3.26
Ready for
Windows 10

Kernel-Level

Windows-driver	Driver OBIDUSB.SYS	Windows-driver

Bluetooth	**RS232 RS4xx**	**USB**	**LAN**

Integration of XML Technology

.NET library	.NET 4.0 and higher	Java library	JRE 8 compatible	C++ class library
OBIDISC4NET		**OBIDISC4J**		**FEDM**

XML-File with Reader Configuration
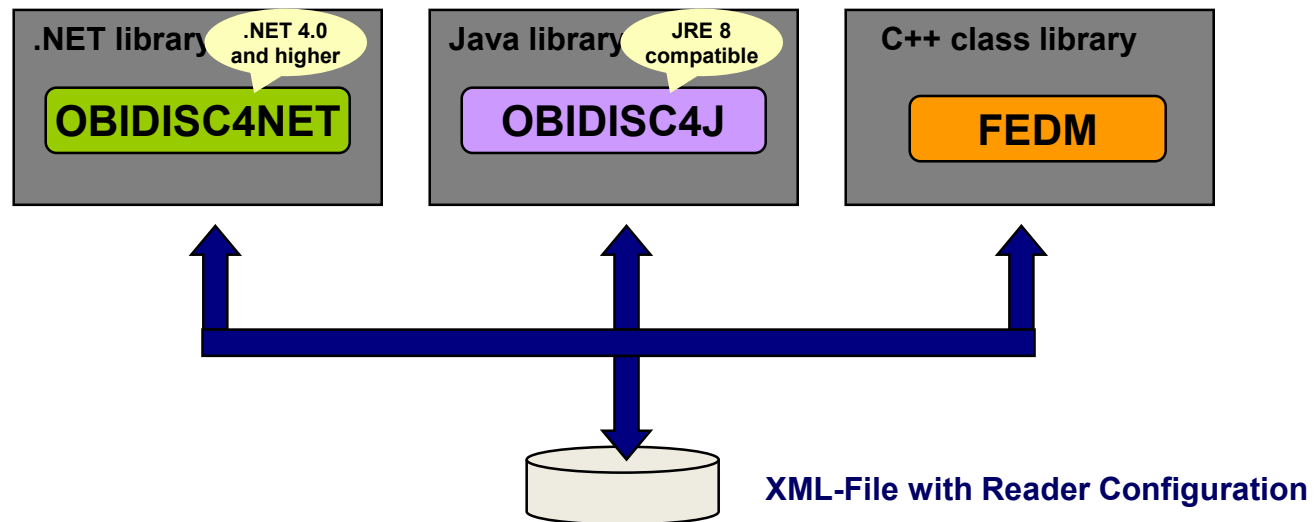
XML is independent of:

- Operating System
- Development Tool
- Programming Language

The Structure of the XML Reader Configuration file is public

Advantage of the XML Reader Configuration file:

- Exchange of Reader Configuration between Reader and Application (e.g. ISOStart)

- Display of Reader Configuration with Browser

Source Code Samples of the SDKs

Standard Samples demonstrate Reader's Operating Modes:

- **ISOHostSample** (SDK.Win, SDK.Linux, SDK.NET, SDK.Java)

- **BRMSample** (SDK.Win, SDK.Linux, SDK.NET, SDK.Java)

- **ScanSample** (SDK.Win,SDK.NET, SDK.Java)

- **NotificationSample** (SDK.Win, SDK.Linux, SDK.NET, SDK.Java)

- **myAXXESS_Sample** (SDK.Win, SDK.Linux)

Special Samples:

- **FUSample demonstrates HF/UHF Function Units** (SDK.NET, SDK.Java)

- **USBSample demonstrates use of FEUSB-DLL** (SDK.Win, SDK.Linux, SDK.NET, SDK.Java)

- **PeopleCounterSample** (SDK.Win)

Complex Applications:

- **MUXDemo for HF/UHF Multiplexer** (SDK.Win)

- **DATuningTool for HF Dynamic Antenna Tuner** (SDK.Win)

- **myAXXESS_Manager**

Training, Consulting, Support

Software training as part of standard training

Manuals for every library

Support Address: identification-support@feig.de

Training application ISOStart / CPRStart