

SDK GEN3 FOR C++, .NET, JAVA WITH IDENTICAL API

Benefits

- › Accelerates time to market
- › Always up-to-date for new RFID standards
- › Fast integration of any ID reader into your software
- › Easy control of all ID readers
- › Identical API for C++, C#, Java, facilitates project and platform migrations
- › Sample code available
- › Technical support

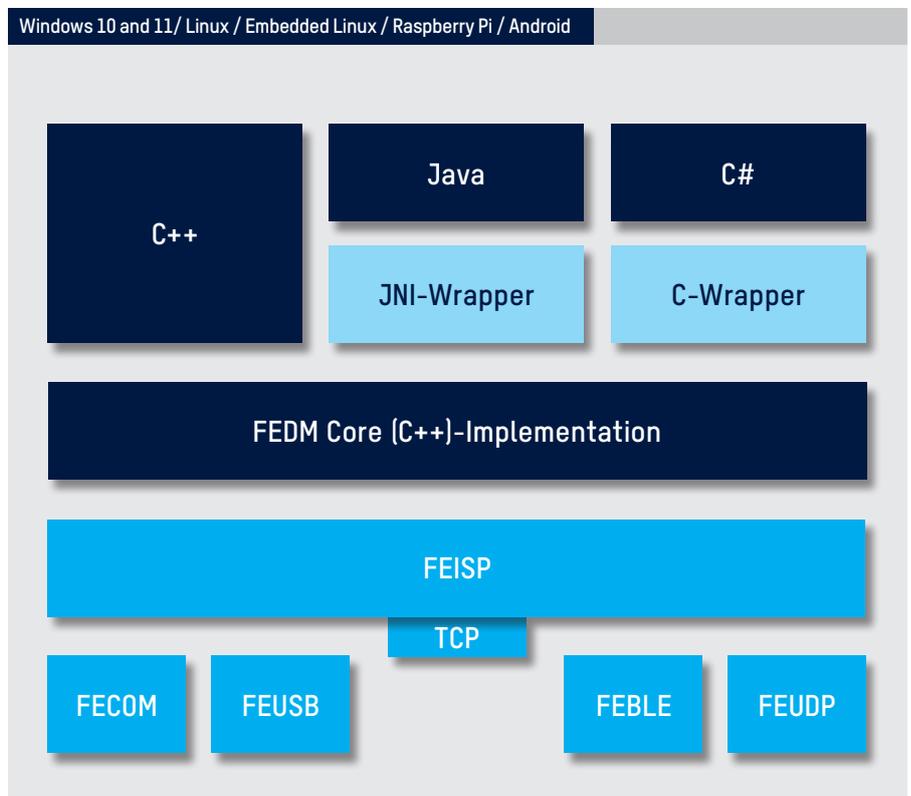
Designed for

- › System and application integrators
- › Third-party product developers

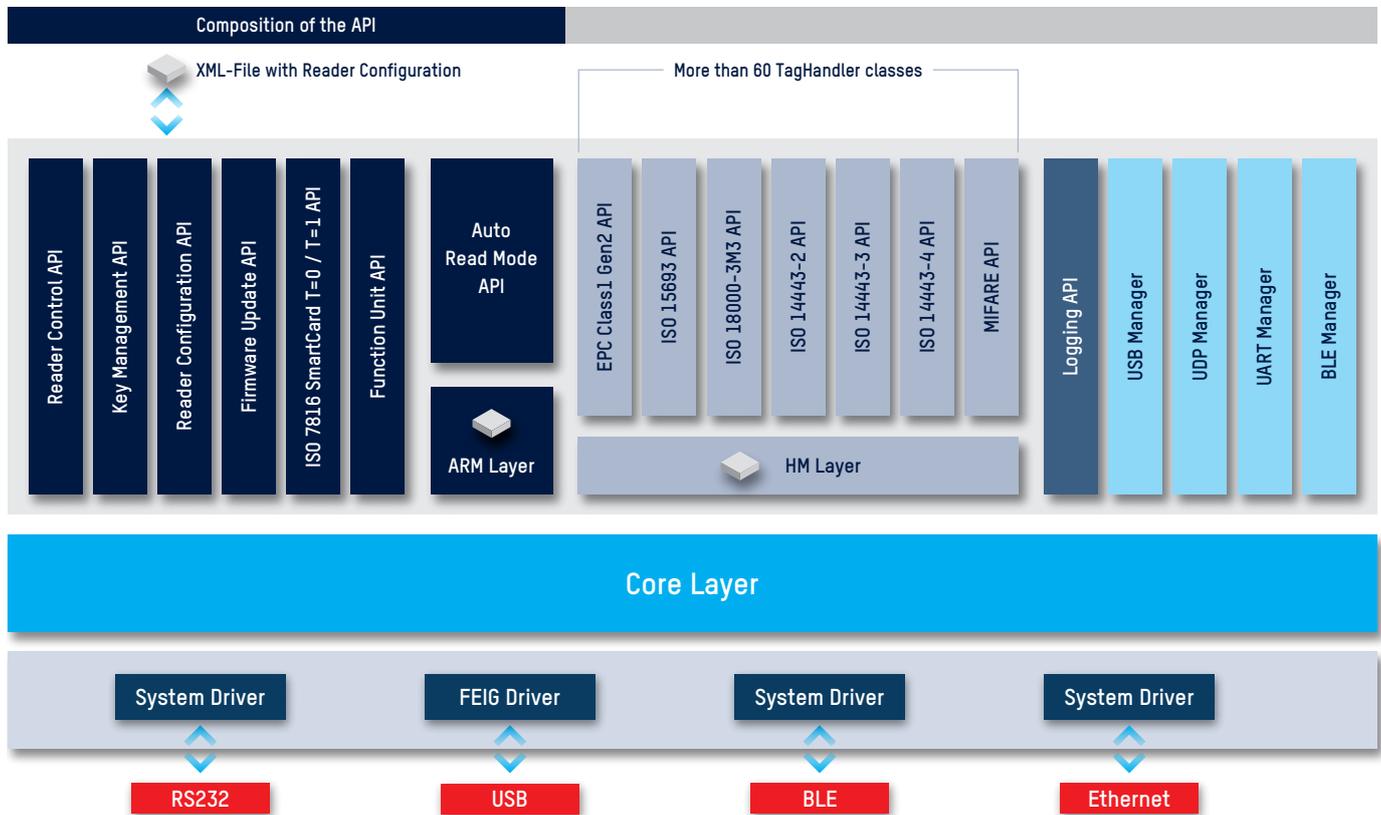
Features

- › Common high-level API for all ID readers
- › Manager classes for detecting ID readers at each communication port UART, USB, LAN or BLE
- › Support for all working modes* of all ID readers
- › Support for ISO 14443, ISO 15693, ISO 18000-3m3 and EPC Class1 Gen2
- › Easy-to-use APIs for Transponder chips or RFID standards with specific TagHandler classes
- › Easy-to-use API for Secure Access Modules (SAM) with SmartCardHandler class
- › Data queues decouples reader events from app notifications
- › Thread-safe design for queue access
- › Manage of reader configuration with XML files
- › Manage of firmware update with XML files
- › Log support for reader-host communication
- › Support for Windows, Linux, Embedded Linux, Raspberry PI, Android
- › Support for .NET Framework 4.8, from .NET 5.0 up to .NET 9.0
- › Support for multiple Hardware platforms: Intel and ARM, both 32- and 64-Bit

Windows 10 and 11/ Linux / Embedded Linux / Raspberry Pi / Android



* except Scan Mode



Technical data

Reader Control API	<ul style="list-style-type: none"> - API for control commands (Input, Output, Reboot, System Time) and reader configuration - API for reader info and diagnostic
Reader Key Management API	<ul style="list-style-type: none"> - API for management of reader and transponder keys
Reader Configuration API	<ul style="list-style-type: none"> - API for management of reader configuration - Import/Export with XML file
Firmware Update API	<ul style="list-style-type: none"> - API for updating the firmware of a reader
ISO 7816 Smartcard API	<ul style="list-style-type: none"> - API for onboard SAMs
Function Unit API	<ul style="list-style-type: none"> - API for using external devices such as multiplexers and people counters
API for Auto Read Modes	<ul style="list-style-type: none"> - API for getting collected data from reader, working in Buffered Read Mode or Notification Mode - Listener for notification of new tag read events - Thread-safe queues for the transfer of event data
TagHandler API	<ul style="list-style-type: none"> - API for transponder communication with specialized classes
Logging API	<ul style="list-style-type: none"> - API for logging protocol or payload frames
APIs for detecting Readers	<ul style="list-style-type: none"> - Manager classes for detecting readers connected at Serial Port or Bluetooth SPP, USB, LAN or Bluetooth LE