

# SDK GEN3 FOR C++, .NET, JAVA AND SWIFT 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 and Swift, facilitates project and platform migrations
- › Sample code available
- › Technical support

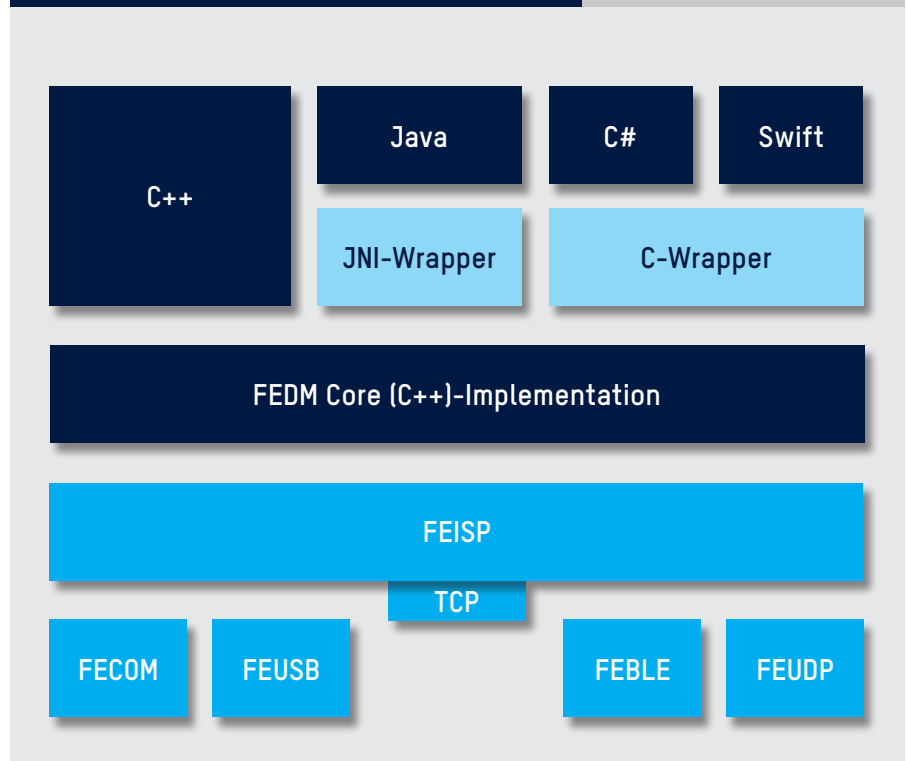
## Designed for

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

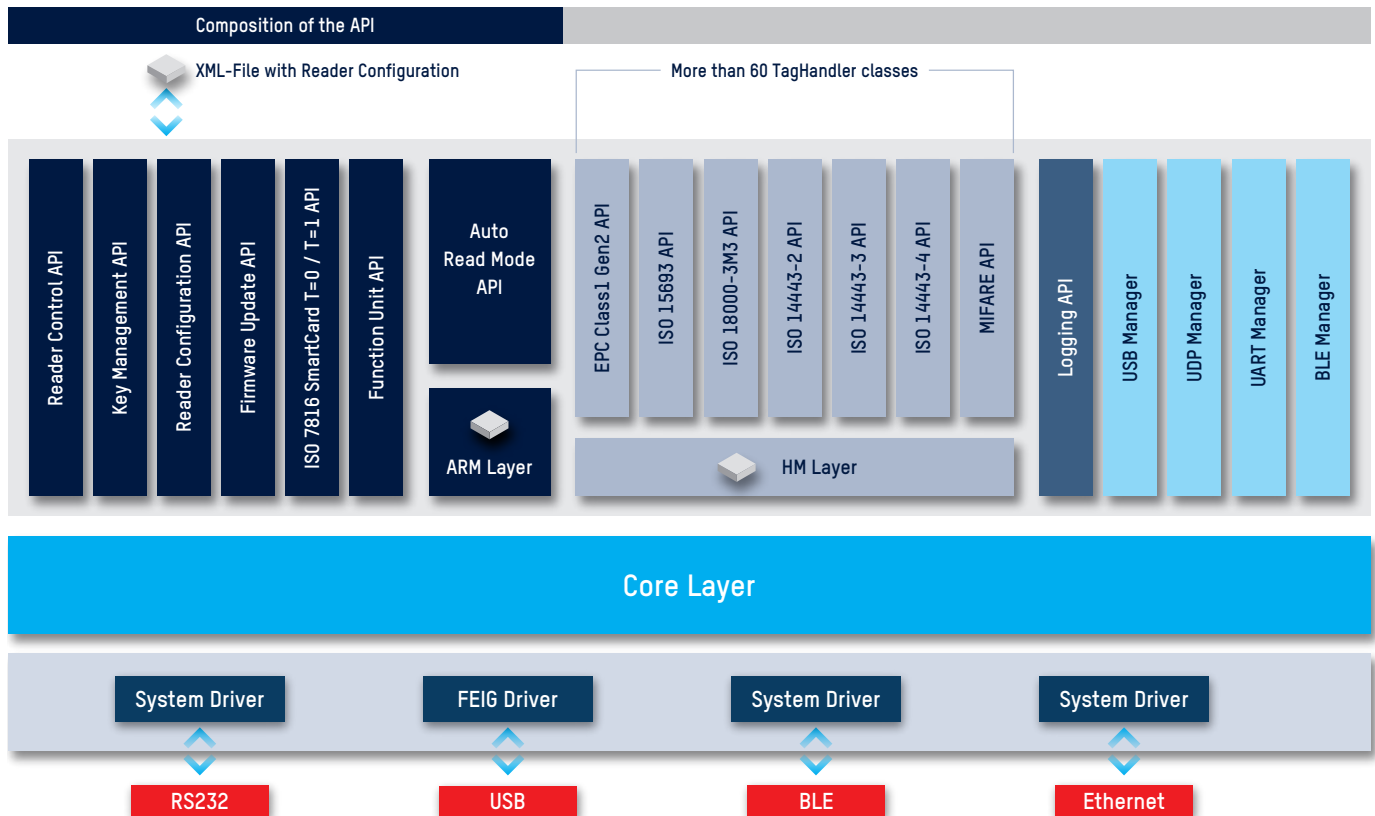
## Features

- › 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, iOS
- › Support for .NET Framework 4.8, .NET 5.0 and .NET 6.0
- › Support for multiple Hardware platforms: Intel and ARM, both 32- and 64-Bit

Windows 10 / Linux / Embedded Linux / Raspberry Pi / Android / iOS



\* except Scan Mode



## Technical data

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