

Ken Traub Consulting LLC

AIDC Translator Library 1.0 — The most comprehensive software library available for encoding and decoding RFID and bar code data

All RFID applications must translate between business data and the binary information on the tag. But implementing the EPC Tag Data Standard and ISO/IEC 15962 is time consuming and error prone. Spending engineering time on this takes away from time spent making your product better.

Let the AIDC Translator Library do the hard work

The AIDC Translator Library is commercial-grade software designed to handle all the RFID and bar code data translation your application needs. Its API is designed for rapid integration with any application. It “just works.”

Electronic Product Code

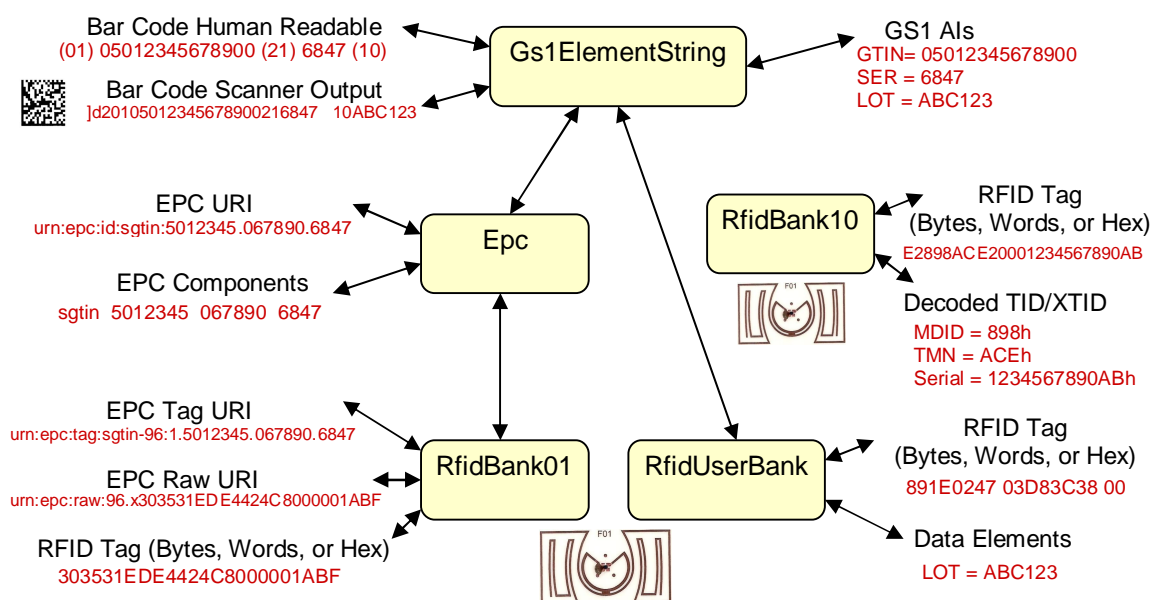
All 9 EPC schemes and their 14 binary formats are supported. Translate between bar code form, the EPC Pure Identity URI (as used in EPCIS) the EPC Tag URI (as used in ALE), and the bits on the tag in bytes, words, or hexadecimal.

User Memory

Fast, efficient, encoding and decoding of RFID User Memory according to the latest “Packed Objects” standard.

TID Memory

Decode the tag make and model, tag capabilities, and manufacturer’s serial number.



Designed for Integration

The AIDC Translator Library is designed for fast integration into any Java software application. It is delivered as a single JAR file that is easily imported into your development environment and included in your software application. Full Javadoc is provided for all API methods. A Windows or Linux DLL is also available upon request for non-Java applications.

Fully Tested, Fully Supported

The AIDC Translator Library undergoes extensive unit testing with every release, including over 14,000 test cases for the EPC alone. With the AIDC Translator library, you do not have to worry about whether some corner case has been missed. An annual maintenance contract provides you with rapid response to any questions or problems that may arise.

Backed by the Recognized Expert on Tag Data

The AIDC Translator Library is a product of Ken Traub Consulting LLC. Ken Traub has been the editor of the EPC Tag Data Standard since its first version in 2003, and was the original implementer of one of the first RFID middleware software products. With the AIDC Translator Library, your software is backed by authority and experience.

Specifications

Standards Compliance

- EPC Tag Data Standard 1.5 (all parts)
- ISO/IEC 15962 ("packed objects")

EPC Formats

- Bar Code human readable
- GS1 Element String (bar code)
- EPC Pure Identity URI (as used in EPCIS)
- EPC Tag URI (as used in ALE)
- EPC Raw URI
- EPC Binary Encoding, as
 - Byte array
 - Word array
 - Hexadecimal string

EPC Schemes

- SGTIN: SGTIN-96, SGTIN-198
- SSCC: SSCC-96
- SGLN: SGLN-96, SGLN-195
- GRAI: GRAI-96, GRAI-170
- GIAI: GIAI-96, GIAI-202
- GDTI: GDTI-96, GDTI-113
- GSRN: GSRN-96
- USDOD: USDOD-96
- GID: GID-96

RFID User Memory

- Full encoding/decoding using "Packed Objects" access method
- EPC Tag Data Standard 1.5 compliant
- All GS1 AIs and ANSI DIs supported

RFID TID Memory

- Full decoding of TID/XTID:
 - Tag make and model
 - Manufacturer's serial number
 - Tag features

Licensing

- End User – one fee, enterprise-wide
- OEM – one-time fee, not per copy