The Mercury DevKit for ThingMagic finished UHF RFID readers contains all the components necessary to begin reading and writing RFID tags and developing RFID-enabled applications. A powerful application programming interface (MercuryAPI) provides code examples, a graphical read-write demo program, and delivers a consistent programmatic interface for development with all ThingMagic readers and embedded module products.

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### Finished/Fixed Reader DevKit Contents

**Hardware**

- Reader specific power supply (as required). Note: M6 power supply must be purchased separately
- Sample RFID tags
- Reader specific data cable
- Antenna Cable (as required)

**Antenna** (included with DevKit)

- **M6**: External Wideband 12 inch
  - 865-985 MHz: 8.5 dBiC min, 9.5 dBiC max

- **Astra-EX**: Integrated Wideband 10 inch
  - 865-870 MHz: 7.0 dBiC min, 8.5 dBiC max
  - 902-928 MHz: 7.5 dBiC min, 8.5 dBiC max

- **Vega**: External Wideband 7.5 inch
  - 865-879 MHz: 7 dBiC min
  - 902-928 MHz: 7.5 dBiC min

- **USB Plus+**: Internal linear polarized
  - 860–960 MHz: 1 dBi peak gain

### Software and Documents (available online)

- Reader firmware
- Release Notes and Users Guide
- MercuryAPI
- MercuryAPI Release Notes and Programmer Guide

### Application Programming Interface

The ThingMagic MercuryAPI is a powerful programming interface with example applications and sample code in C, Java and C#/NET. The MercuryAPI provides a consistent programmatic interface across all ThingMagic finished and embedded reader products to speed development and time to market of highly complementary RFID-enabled offerings.

**Supported OS platforms and application types**

- C-API designed to provide support for embedded systems
- .NET applications in the .NET Compact Framework v2.0
- Windows applications in the .NET Framework
- Windows applications in the Java Framework
- Linux (Intel) and MacOSX applications in the Java Framework
- Android applications in the Java framework

**Code space required**

- 32k Basic Gen2
- 64k Advanced Gen2
- 96k Multifrequency

Specifications subject to change without notice.
MAKING RFID EASY TO USE

ThingMagic is dedicated to driving the barriers to deploying RFID technology as low as possible. We design our products to be easy to use out-of-the box and to deliver predictable, reliable, and repeatable performance. Our development tools require little RFID expertise, enabling you to rapidly design, test, and deploy your RFID solutions.

Developers Kit
Included with every ThingMagic reader
Developer Kit, the MercuryAPI supports the entire line of ThingMagic finished readers and embedded RFID modules

- Test chassis
- Cables
- Antenna
- Sample Tags
- Full schematics to help you design your own complimentary components

Mercury API
A common development platform, supporting an extensive variety of hardware to connect, configure, and control ThingMagic readers.

Universal Reader Assistant
A utility for advanced demo, testing, and tuning of all ThingMagic readers. Reduces complexity for novice users while permitting low-level control for advanced developers.

M6e Reader DevKit shown