

# MERCURYDevKit

## For Finished UHF RFID Readers



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.

### Ordering Information

Unless otherwise noted, an RFID reader must be purchased separately.

M6 Reader DevKit

M6-DEVKIT

Astra-EX Devkit

A6-DEVKIT

Vega Reader DevKit (reader included)

V5-DEVKIT-NA (North America)  
V5-DEVKIT-EU (Europe)

USB Plus+ Reader devKit (reader included)

USB-5EC-DEVKIT

### 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)

Software and Documents

- 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 Multiprotoکل

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.

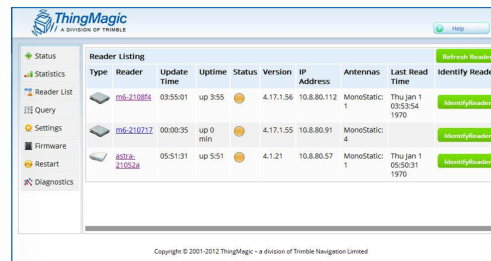
### Developers Kit

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

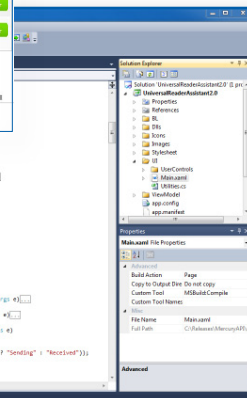
### Mercury API

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

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