ThingMagic
a JADAK Brand

MERCURYDevKit

For ThingMagic UHF RFID Embedded Modules

The Mercury DevKit for ThingMagic UHF RFID modules 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

Development kits are module specific. A single module is included with each DevKit purchase.

DevKit with M6e module	M6E-DEVKIT
DevKit with Micro module	M6E-M-DEVKIT
DevKit with Micro-LTE module	M6E-MICRO-DEVKIT
DevKit with M5e-Compact Module	M5E-C-DEVKIT
Module Dev Kit Power Adapter	• In: 90-264 V, 0.4 A, 47-63 Hz • Out: +9 V @ 1.4 A • Max total output power: 12.6 W • US, European, UK, and Australian plugs

Module DevKit Contents

Hardware	• RFID Module mounted in DevKit chassis • 9V AC Power adapter • Sample RFID tags • USB cable • Antenna Cable • 7.5 inch wideband antenna 865-879 MHz: 7 dBiC min 90-264 V, 0.4 A, 47-63 Hz

Software and Documents (available online)

Software and Documents	• Reader firmware • Release Notes and Users Guide • MercuryAPI • MercuryAPI Release Notes and Programmer Guide

Module DevKit Chassis Specifications

Antenna Connector	• R-TNC connectors supporting one, two, or four monostatic antennas (depending on module type)
USB Connectors	• 2 USB connections: one attached to the serial port of the module (all modules) and one attached to the USB port (M6e only).
GPIO Access	• 4 External switches to set GPIO input state • 4 External LEDs to indicate GPIO output states Note: M6e module GPIO lines are software selectable in or out; M5e-Compact GPIO lines are hard-wired for two inputs and 2 outputs

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 fixed and embedded reader products to speed development and time to market of highly complementary RFID-enabled offerings.

Supported OS 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 Mulitprotocol

RoHS Compliant

Specifications subject to change without notice.

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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

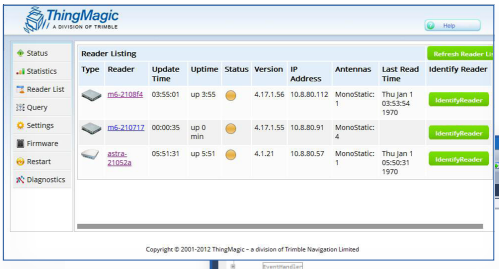
Included with every ThingMagic reader Developer Kit, the MercuryAPI supports the entire line of ThingMagic finished readers and embedded RFID modules

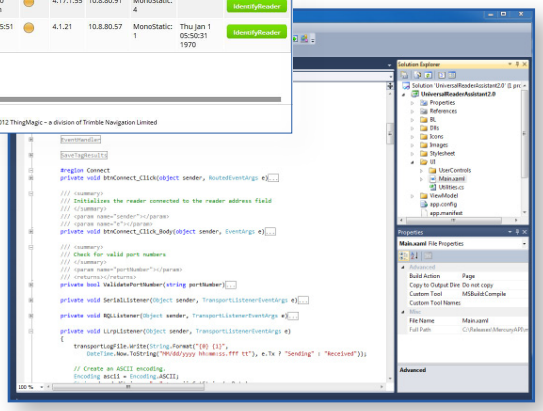
- Test chassis
- Cables
- Antenna
- Sample Tags
- Full schematics to help you design your own complimentary components

M6e Reader DevKit shown

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.

ISO 9001 : 2008 REGISTERED FIRM
ISO 13485 : 2003 REGISTERED FIRM

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