



## MERCURY DevKit

### 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   | <ul style="list-style-type: none"> <li>In: 90-264 V, 0.4 A, 47-63 Hz</li> <li>Out: +9 V @ 1.4 A</li> <li>Max total output power: 12.6 W</li> <li>US, European, UK, and Australian plugs</li> </ul> |

#### Module DevKit Contents

|          |   |
|----------|---|
| Hardware | <ul style="list-style-type: none"> <li>RFID Module mounted in DevKit chassis</li> <li>9V AC Power adapter</li> <li>Sample RFID tags</li> <li>USB cable</li> <li>Antenna Cable</li> <li>7.5 inch wideband antenna</li> <li>865-879 MHz: 7 dBiC min</li> <li>90-264 V, 0.4 A, 47-63 Hz</li> </ul> |
|----------|---|

#### Software and Documents (available online)

|                        |   |
|------------------------|---|
| Software and Documents | <ul style="list-style-type: none"> <li>Reader firmware</li> <li>Release Notes and Users Guide</li> <li>MercuryAPI</li> <li>MercuryAPI Release Notes and Programmer Guide</li> </ul> |
|------------------------|---|

#### Module DevKit Chassis Specifications

|                   |  |
|-------------------|--|
| Antenna Connector | <ul style="list-style-type: none"> <li>R-TNC connectors supporting one, two, or four monostatic antennas (depending on module type)</li> </ul>   |
| USB Connectors    | <ul style="list-style-type: none"> <li>2 USB connections: one attached to the serial port of the module (all modules) and one attached to the USB port (M6e only).</li> </ul>  |
| GPIO Access       | <ul style="list-style-type: none"> <li>4 External switches to set GPIO input state</li> <li>4 External LEDs to indicate GPIO output states</li> </ul> <p>Note: M6e module GPIO lines are software selectable in or out; M5e-Compact GPIO lines are hard-wired for two inputs and 2 outputs</p> |

#### 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 | <ul style="list-style-type: none"> <li>C-API designed to provide support for embedded systems</li> <li>.NET applications in the .NET Compact Framework v2.0</li> <li>Windows applications in the .NET Framework</li> <li>Windows applications in the Java Framework</li> <li>Linux (Intel) and MacOSX applications in the Java Framework</li> <li>Android applications in the Java framework</li> </ul> |
| Code space required                | <ul style="list-style-type: none"> <li>32k Basic Gen2</li> <li>64k Advanced Gen2</li> <li>96k Multiprotocol</li> </ul>  |

## 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.

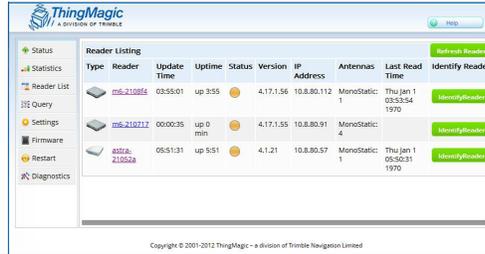
### Developers Kit

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

