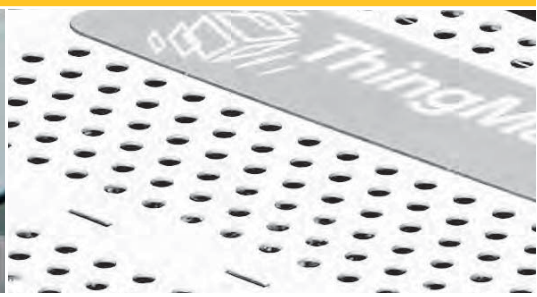
ThingMagic
A DIVISION OF TRIMBLE



ThingMagic is ***The Engine in RFID***® for a wide range of industrial and consumer applications

As a leading provider of RFID technology and solutions, our goal is to provide customers with the broadest choice of RFID readers and system design guidance to ensure predictable performance and solution optimization.

We focus on developing products and solutions that address your needs for manageability, scalability, security, low total cost of ownership, and enterprise network integration.

Our standards-based products are available worldwide from a growing number of OEM partners, resellers, and system integrators.

ThingMagic offerings:

- Embedded RFID Modules
- Fixed/Finished RFID Readers
- RFID Solutions

咨询热线：400-0581-580

UHF RFID provides visibility to the location and state of tagged objects, for real-time performance optimization

The uses of Radio Frequency Identification (RFID) are many and the applications being developed to include RFID are boundless. RFID is rapidly growing from a vertically-oriented technology to an integrated element of critical business processes. Once viewed as the ultimate technology for optimizing retail logistics, RFID is now for the supply chain and much more.

At ThingMagic, a Division of Trimble, we believe that RFID-enabled products and solutions will fundamentally change the way we interact with the physical world. By embedding RFID and sensing technology into everyday products, productivity can be optimized and inefficiencies can be reduced across nearly every market imaginable.

A full range of products – on one powerful architecture – to deliver real-time business process improvement

With a focus on open, standards-based RFID readers, sensors, and other embedded and low cost computing technologies, we are committed to providing customers with the products and architectural guidance to succeed.

Our software defined radio (SDR) architecture provides a future-proof choice, accommodating new tags and evolving RFID standards, and supporting security advancements and other system and technology innovation.

We've developed our products for the most demanding high volume applications and our consulting and design services consistently exceed the needs of clients with seemingly impossible sensor and embedded technology-related challenges.

Whether you are investigating RFID for the first time or have an evolved RFID practice, we have the products, expertise and experience to help you develop applications, deploy solutions and optimize performance.

ThingMagic products offer:

- Ease of integration and use
- A common development platform for all of your RFID product or solution needs
- Time to market advantage
- Low total cost of ownership
- A standards based architecture
- Superior performance in diverse conditions

We serve organizations in many markets, including:

- Manufacturing
- Transportation
- Construction
- Retail
- Hospitality
- Healthcare
- Government
- Communications & Utilities
- Aerospace

Trimble RFID Solutions

Enterprise organizations are often challenged with unique requirements when designing and deploying an RFID solution. We can help! Our capabilities include systems design, RFID hardware (readers, tags, antennas), database web hosting, integration with third-party systems, and installation and maintenance services. Transform your vision into reality and create a sustainable competitive advantage for your company. Contact us for more information at: sales@thingmagic.com.

Unprecedented Functionality, Performance and Value

ThingMagic is *The Engine in RFID* for a wide variety of cutting edge solutions. Hundreds of companies - from printer and handheld manufacturers to asset tracking, supply chain, healthcare and transportation organizations – are using ThingMagic RFID products and services to drive innovation and create business process change.

UHF RFID Modules

ThingMagic's embedded modules are ideal for adding UHF RFID read/write capabilities to application specific devices. Customers choose ThingMagic RFID modules for their small form factor, ease of integration, and superior tag read rate across a variety of operating conditions.

UHF RFID Module Family

	M6e	Micro	Micro-LTE	M5e	Compact
Size (L x W x H mm)	69 x 43 x 7.5	46 x 26 x 4	46 x 26 x 4	82x 54 x 5	56 x 36 x 5
Antenna Ports	4	2	2	2	1
Interface	UART, USB	UART, USB	UART, USB	UART	UART
Read Rate (tags/sec)	750*	750*	50	200	200
Read Range	30ft	30 ft	30 ft	30ft	13ft
Protocol Support	Multiprotocol	Multiprotocol	Multiprotocol	Gen 2	Gen 2

(*Using high-performance settings)

Finished / Fixed-Position UHF RFID Readers

Built on our UHF RFID embedded modules, ThingMagic finished/fixed-position readers speed RFID solution development and integration. Our readers and development kits include all of the components necessary to begin reading and writing RFID tags and more!

Fixed/Multiport: Mercury6

Low profile, high-performance 4-port RFID reader delivering extreme utility across indoor and outdoor applications. Rugged service operating capabilities, high transmit power, Power over Ethernet (PoE) and Wi-Fi operations make the M6 well suited for enterprise, commercial and industrial environments.

Integrated: Astra-EX

Low profile, easy to install, integrated reader designed for use in enterprise, industrial and supply chain environments where unobtrusive deployment is desired. Power over Ethernet (PoE) and Wi-Fi options allow for flexible, low cost, single cable installations.

Ruggedized: Vega Serial Reader

Durable reader meets the harsh environmental operating standards required for a wide variety of indoor, outdoor and in-vehicle applictions. Utilizes a local personal computer (not included) to provide command and control via its RS-232 serial interface.

Desktop: USB *Plus+* Reader

A low cost platform for developing and deploy ing interactive read/write applications. Controlled and powered by a host PC or laptop through a USB interface.

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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

Everything needed to read and write RFID tags and begin developing RFID-enabled applications:

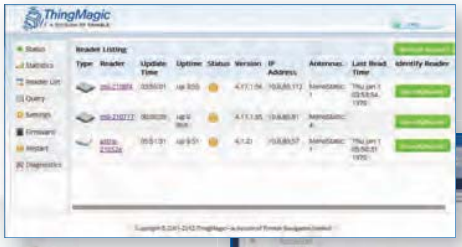
- Test chassis
- Cables
- Antenna
- Sample Tags
- Full schematics to help you design your own complementary components

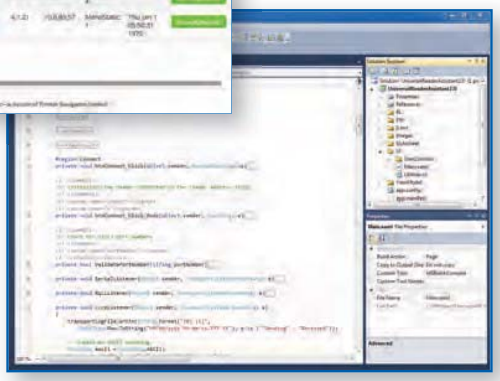
Mercury API

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.





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For more information, visit www.thingmagic.com

To purchase ThingMagic products, please email sales@thingmagic.com or call 1-866-833-4069 (International callers dial +1 617-499-4090)

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