



Innovative Edge

## SMET RFID SOLUTIONS

SMET is one of the leading marketing / Distribution Company in the field of Electronics & RFID, ably managed by professional technocrats. SMET offers technical engineering support to many Indian companies to deliver cutting edge RFID solutions. SMET's expertise includes providing RFID technical engineering solution, maintenance support, Custom made UHF RFID tags to meet customer specific requirement and to suite different end applications.

**SMET is authorized reseller for ThingMagic RFID readers.**

- **ThingMagic RFID Readers**
- **Custom RFID Tags**
- **Applications**

### **Thing Magic RFID Readers**

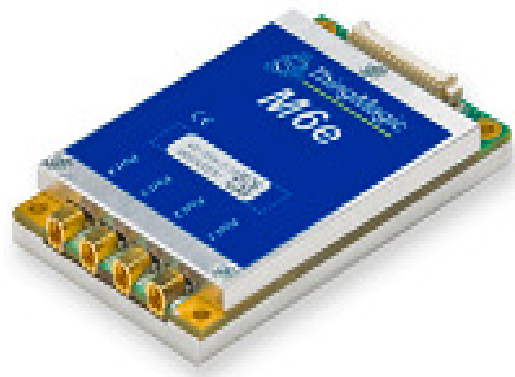
Radio Frequency Identification (RFID) is rapidly growing from a vertically-oriented technology to an integrated element of critical business processes. At ThingMagic, a Division of Trimble, we believe that RFID-enabled products and solutions will fundamentally change the way we interact with the physical world. By embedding RFID and sensing technology into everyday products, productivity can be improved and inefficiencies can be reduced across nearly every market imaginable.

### **Embedded RFID Readers**

Using an RFID module, as opposed to creating a reader with discrete components or a chip and reference design, provides developers with significant advantages. ThingMagic modules are designed to meet performance demands, are market proven, and have been fully tested and certified for regional use – reducing time to market and overall system costs.

### **Mercury® 6e Series High Performance Multi-Protocol Embedded UHF RFID Modules**

The 4-port M6e will meet or exceed the performance requirements of the most demanding fixed position multi-antenna reader applications, delivering the highest read rate and RF power. The M6e will transmit up to +31.5 dBm and can read more than 750 tags/seconds. This performance makes M6e the ideal RFID engine for challenging applications like race timing, portals with long cable runs, and conveyors requiring multiple antennas. The M6e has both serial and USB interfaces to support both board-to-board and board-to-host connectivity.





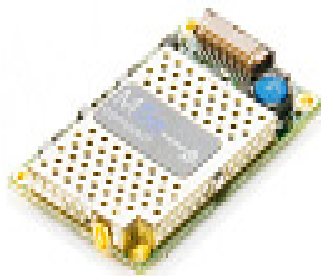
Innovative Edge



The 2-port Micro and Micro-LTE deliver the form factor, efficiency, RF power, and flexibility needed to embed UHF RFID in your best-in-class portable and hand held applications. The Micro reads 750tags/second and the Micro-LTE is optimized for applications with small populations and reads 50 tags/second. The low power consumption of both modules fits battery operated applications and ideal RF output range (-5 dBm to +30 dBm) is a key requirement for RFID enabled printers, tag commissioning stations, and point of sales readers. Edge connections allow the Micro and Micro LTE to be soldered directly to a motherboard as a standard component. The on-board connectors allow the module to be mated to a motherboard.

### Mercury®5e Embedded UHF RFID Modules

The 2-port M5e is designed for adding UHF RFID read/write capabilities to a wide range of products and solutions, from high-speed label printing and inlay testing, to stationary, mobile, and handheld computers. The M5e will transmit up to +30 dBm.



The single-port Compact is ideal for adding basic UHF RFID read/write capabilities to table top printers, battery-powered mobile printers, and handheld readers. The Compact will transmit up to +23 dBm and is the right choice for applications where small size, low cost, and low power consumption are essential and where the higher RF power and high tag read rate and advanced anti-jamming capabilities are not required.

### Astra Enterprise UHF RFID Reader



Astra is an easy to install, unobtrusive, integrated reader/antenna designed for office and commercial environments. Driven by Thing Magic's powerful Mercury5e UHF RFID reader module, Astra's Power over Ethernet (PoE) and WiFi options allow for flexible, low cost, single cable installations. With full support for Thing Magic's enterprise-class Mercury OS software, Astra blends in well with corporate infrastructures and office lay outs.



Innovative Edge

### **Vega Durable Indoor/Outdoor UHF RFID reader**

Thing Magic's Vega reader is built around our award winning, high performance M5e UHF RFID module. The Vega reader meets the harsh environmental operating standards required for use in trucks and automobiles (In Vehicle Reader model), and is ideal for deployment in a wide variety of indoor and outdoor applications.

A version is available to support applications which call for the maximum permissible output power allowed by EU regulations. The Vega reader utilizes; local personal computer (not included) to provide command and control via its RS-232 serial interface.



### **USB RFID Reader World-class UHF RFID Desktop Reader**



The ThingMagic USB RFID Reader allows solutions developers to support applications that require desktop reading and writing of EPC Global Gen2 tags. Based on Thing Magic's best-in-class M5e-Compact UHF RFID module, the USB RFID Reader is controlled and powered by a host PC or laptop through a USB interface. The ThingMagic USB RFID Reader is compatible with Thing Magic's application development tools, including Reader Assistant, permitting rapid creation of solutions to support a wide range of applications.

### **MERCURY6 4-Port Enterprise UHF RFID Reader**

The Mercury6 (M6) is a low profile, high-performance 4-port RFID reader designed for both indoor and outdoor applications. Driven by Thing Magic's powerful Mercury6e UHF RFID reader module, the M6 Power over Ethernet (PoE) and WiFi options allow for flexible, low cost, installations. With full support for Thing Magic's enterprise-class Mercury OS software, M6 is compatible with both corporate IT infrastructures and sheltered outdoor environments.





## **Custom Tags**

**We can customize the RFID tags based on customer requirement.**

- **Jewelers Tags**
- **Laptop Tracking Tags**
- **Library**
- **Medical equipment**
- **Mount on metal**

## **Application of RFID**

- **Jewelry Asset Management**
- **Lab equipment Asset Tracking**
- **Laptop Tracking**
- **Attendance System**

## **Accessory**

- **Customized RFID cables**
  - **(LMR 200 and LMR 400)**
- **Light Stack**
- **Antenna**
- **Mounting accessories**