

MICRO-LTE ADDS A NEW DIMENSION TO M6e SERIES FAMILY

OVERVIEW

Opportunities for the wireless and contactless technology industries are growing as auto-ID, sensing, M2M and Internet of Things applications are being developed at a rapid pace. RFID is playing a particularly important role in this growth. RFID tag volumes are shipping in the billions and according to several research firms, the global market for RFID products and services is projected to approach \$10 billion in the not so distant future.

There is enormous pressure for technology companies to innovate these days, as a newer and better solution is always right around the corner. This pressure exists in parallel with a need to continually drive down both the size and cost of hardware components, as these are two metrics that can make or break a product development project. Fortunately, this challenge also provides an enormous growth opportunity, as the importance of embedded technologies have become clearer than ever.

ThingMagic's family of the smallest high-performance RFID modules on the market includes the Low Tag-read Enabled Micro. This addition to the Mercury6e Series of embedded UHF RFID modules, the Micro-LTE, is optimized to read small tag populations, opening doors for organizations that may have faced size, performance, or cost barriers to RFID adoption.

The Micro-LTE was designed for different markets, optimizing it for small tag population and making it ideal for mobile printers, handheld devices, RFID readers, portals, mobile device accessories and other emerging solutions. With embedded RFID readers like the Micro-LTE, device manufacturers and solution providers can now more easily develop and customize solutions by application, making it a valuable technology for a wide variety of industries, including:

SIMPLIFIED PRINTING & ENCODING

Zebra Technologies announced the ZD500R UHF desktop printer that takes advantage of the small form factor and optimized read rate of the ThingMagic Micro-LTE RFID module. The ZD500R is ideal for space constrained retail and healthcare environments that require accurate, on-demand printing and encoding. The ZD500R is Zebra's smallest and lowest cost UHF RFID printer to date.

POWERFUL HANDHELD DEVICES

ThingMagic RFID modules are a popular choice for handheld device manufacturers. For example, VerdaSee Solutions introduced a mobile device for first responder and military applications. By utilizing all four antenna ports of the ThingMagic M6e RFID module, this portable and ruggedized handheld provides users with an extended read distance required by mission-critical applications.

Leveraging the small form factor and high-performance features of the ThingMagic Micro, ACURA Global offers the Smart AB-700 handheld reader for use in several commercial and industrial markets.

INNOVATION ACROSS INDUSTRY

Other partners are embedding the ThingMagic RFID modules into products and solutions used in a variety of markets. For example, the AdvanPanel from Keonn Technologies integrates the ThingMagic Micro to read RFID-enabled Kanban cards in just-in-time inventory systems. Venture Research integrates ThingMagic modules into smart shelves, waste management solutions, fork lift readers, industrial portals and several other RFID-enabled systems. With similarly diverse customer bases, partners Beijing Sillion in Asia and ACURA Global in South America use ThingMagic embedded RFID modules to develop retail, supply chain, logistics, transportation, and healthcare solutions.

ABOUT JADAK:

JADAK, a business unit of Novanta, is a market leader in machine vision, RFID, barcode, printing, and color and light measurement products and services for original equipment manufacturers. The company designs and manufactures embedded detection and analysis solutions that help customers solve unique inspection, tracking, scanning and documenting challenges. The company is ISO 9001 and ISO 13485 registered.

Novanta is a trusted technology partner to OEMs in the medical and advanced industrial technology markets, with deep proprietary expertise in photonics, vision and precision motion technologies.

ThingMagic is JADAK's RFID line of products and services.

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Micro-LTE Applications



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