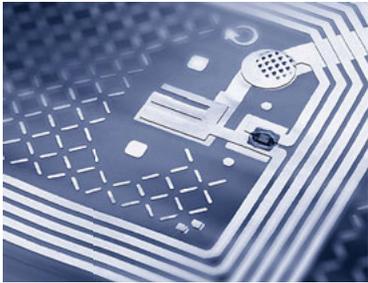




JADAK
A Novanta Company



JADAK, *the Biggest Name* in RFID, for the widest range of applications

As a leading provider of Radio Frequency Identification (RFID) technology and solutions, JADAK delivers the broadest choice of RFID readers and engineering guidance to our customers to ensure reliable and improved performance.

JADAK's products and solutions address your needs for manageability, scalability, security, low total cost of ownership, and enterprise network integration.

Our standards-based products are available worldwide.

ThingMagic, JADAK's RFID Product Line, includes:

- Embedded RFID Modules
- Fixed/Finished RFID Readers
- Handheld RFID Readers
- RFID Accessories & Solutions

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

RFID is used in a multitude of applications and has become an integrated element within critical business processes. Embedded RFID and sensing technology optimizes productivity and reduces inefficiencies across many markets.

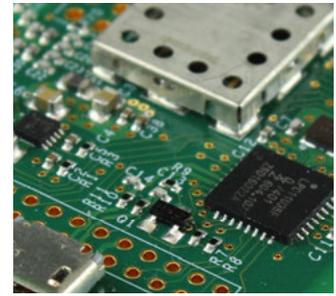
A full range of products to deliver process improvement

With a focus on open, standards-based RFID readers, sensors, and other embedded computing technologies, JADAK is committed to providing our customers with the products and engineering 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.

Our products are designed for the most demanding applications. Our services exceed our clients' needs, even those with significant sensor and embedded technology challenges.

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



JADAK RFID products offer:

- Ease of integration and use
- A common development platform for all of your RFID 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:

- OEM Medical
- Manufacturing
- Transportation/Rail
- Construction
- Retail
- Hospitality
- Healthcare
- Government
- Communications & Utilities
- Aerospace
- Event Timing

JADAK RFID Solutions

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), 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: info@jadaktech.com.

Unprecedented Functionality, Performance and Value

JADAK, the *biggest name in RFID*, provides a wide variety of cutting edge solutions. Hundreds of companies – from asset tracking to supply chain, healthcare to transportation organizations – are using JADAK RFID products and services to drive innovation and improve business process.

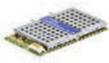
HF/UHF Embedded RFID Modules

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

HF RFID Module Family

			
Size (mm)	40 L x 38 W x 5 H	25.4 Diam. / 2.8 H	CF: 66 L x 36 W x 5 H MH: 70 L x 53 W x 9 H
Antenna	Internal or 50 Ω output for external connection	Internal	Internal or 50 Ω MMCX (female) output for external connection
Interface	UART (TTL), SPI, USB, 12C	UART (TTL), SPI, USB, 12C	UART (TTL), SPI, USB, 12C
Read Range	Internal Antenna: up to 5cm External Antenna: up to 8cm	Up to 6 cm	External Antenna: 16cm External Antenna: 8cm
Protocol Support	ISO 14443 A/B (parts 2-4) ISO 18092	ISO 15693	ISO 14443 A/B (parts 2-4) ISO 15693

UHF RAIN RFID Module Family

					
Size (L x W x H mm)	69 x 43 x 7.5	46 x 26 x 4	46 x 26 x 4	22 x 26 x 3.0	27 x 30 x 5.5
Antenna Ports	4	2	2	1	2
Interface	UART, USB	UART, USB	UART, USB	UART	UART, USB, SPI, 12C
Read Rate (tags/sec)	750*	750*	50	200	50
Read Range	30ft	30 ft	30 ft	15 ft	15 ft
Protocol Support	Multiprotocol	Multiprotocol	Multiprotocol	RAIN Gen2V2	RAIN Gen2V2

(*Using high-performance settings)

Fixed/Finished UHF RFID Readers

JADAK finished/fixed-mount 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 (M6) UHF RAIN

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.



Sargas Fixed Mount UHF RAIN

The ThingMagic Sargas reader is a high performance, 2 antenna-port, networked, RAIN® UHF reader in a low profile enclosure. Built around the ThingMagic Micro reader module, the device reads more than 750 tags per second at distances over 9 meters (30 feet) when configured with appropriate antennas.



Astra-EX Integrated UHF RAIN Reader

Driven by ThingMagic's powerful Mercury6e (M6e) UHF RAIN® RFID Module, Astra-EX is an easy to install, unobtrusive, integrated 2-port reader/antenna designed for office and commercial environments.



Desktop USB Pro UHF RAIN Reader

ThingMagic USB Pro with Desktop RAIN® RFID Reader, based on the M6e-Micro LTE RFID module, offers a number of enhancements including:

- Wider power range
- New external antenna port
- Enhanced firmware features

The USB Pro reader is preconfigured for most regions in the world.

Handheld/Fixed HF RFID/Barcode Readers

We've combined 1D/2D barcode scanner with RFID readers for maximum functionality in healthcare and medical applications.



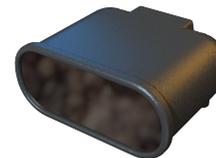
Flexpoint HS-2R Bluetooth Handheld HF RFID Reader & Barcode Scanner

The first wireless Bluetooth 1D/2D barcode scanner and RFID reader, designed specifically for use in healthcare and medical environments. The dual-functional Flexpoint HS-2R can read and write to HF RFID tags (13.56MHz) and supports a wide range of HF standards. The HS-2R is designed with a compact ergonomic housing comprised of medical grade plastics



Flexpoint HS-1R Handheld HF RFID Reader & Barcode Scanner

The Flexpoint HS-1R is ideally suited for healthcare and other applications. Combining high-end performance and quality with an ergonomic and compact size, the flexpoint HS-1R integrates 1D and 2D barcode scanning with HF RFID reading and writing functionality all in an ergonomic and compact design that is comprised of medical grade materials.



FM-214R HF RFID/Barcode Fixed Mount

JADAK's FM-214R is a Fixed-Mount RFID and Barcode module designed for manufacturers needing to easily install RFID, Barcode, and Image Capture capability.

MAKING RFID EASY TO USE

JADAK 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.

HF or UHF Developer Kits

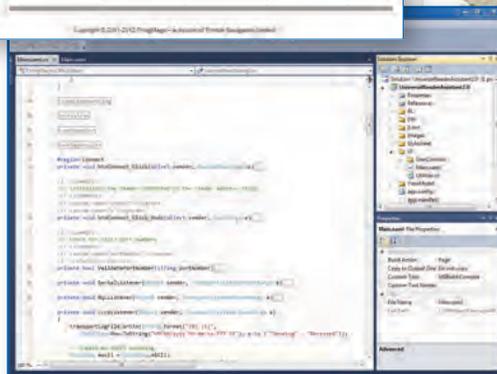
Everything needed to read and write RFID tags and begin developing RFID-enabled applications:

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



Mercury & Skyware API

Easy to use development platforms that support an extensive variety of hardware.



RFID Accessories

Array of RFID accessories including antennas, cables, heat sinks, interface boards, and multiplexers.



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