Simplifying RFID Integration into Existing Systems

Features & Benefits:

- Simpler Integration of the RFID Reader into Existing Systems

- Ability to Customize Data Stream Outputs

- Option to Coordinate Reading with External Events
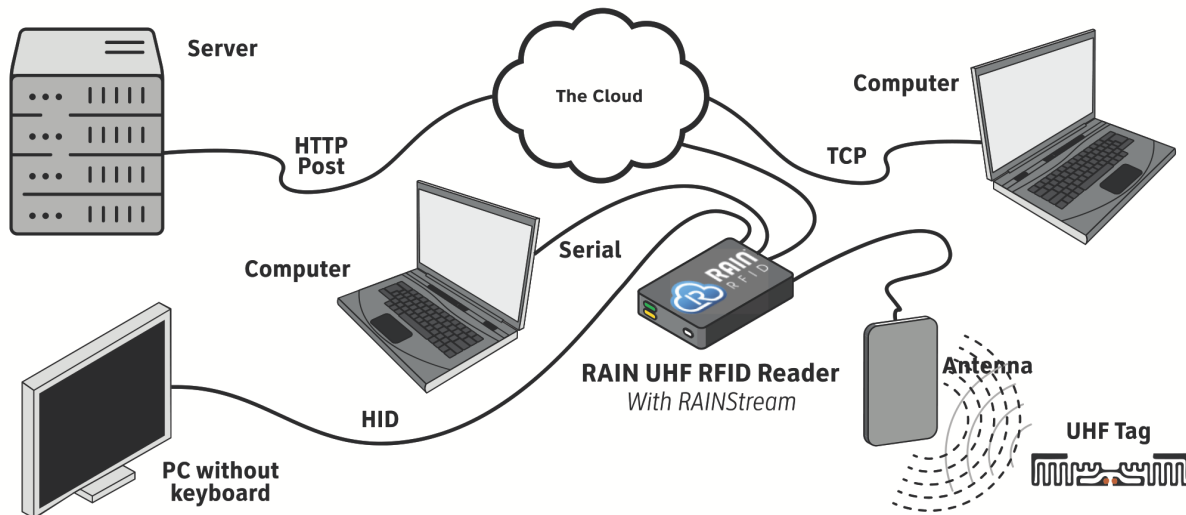
- Control over Read Duration

RAINstream is an optional on-reader application that streamlines data transfer and simplifies the integration of the ThingMagic RAIN UHF RFID reader into existing systems.

With RAINstream, tag data can be sent to a back-end processing system using standard connections and protocols. RAINstream eliminates the need for interpretation code at the host or server, thus saving time and cost in implementation and maintenance.

The data stream output can be customized to provide a range of tag data and status conditions, for maximum utility and efficiency.

Reading can be continuous, continuous only when a GPI line is active, or for a timed duration when a GPI line goes active.

Reader, network and RFID protocol settings are configured and saved through a web interface that is sourced by the reader. Once the RAINstream license is applied, it remains in effect for the entire life of the product, even as new features are added to the product through firmware upgrades.

Server

HTTP Post

The Cloud

Computer

TCP

Computer

Serial

RAIN UHF RFID Reader
With RAINStream

Antenna

UHF Tag

HID

PC without keyboard

RAINStream allows direct transfer of tag data to backend systems via several alternative protocols

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Supported Back-End Protocols

TCP	A TCP/IP connection to a client or server.
HTTP POST	Reader periodically posts to a web server that can accept text content.
Serial	Host opens a USB, terminal-type, serial connection to the reader.
HID Keyboard	The reader identifies as a keyboard to a host PC and the PC accepts the data as if it were being typed.

Output Channel Options

Trigger Options

Configuration Options

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.

1 (888) 238-1155 Inside USA • 1 (205) 383-2244 Outside USA
info@atlasRFIDstore.com • www.atlasRFIDstore.com

atlasRFIDstore.com

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