

Connecting the Internet of Things with People.



Overview

The Rifidi Pi is your appliance for lightweight embedded RFID deployments and integrated Sensor Devices. The appliance comes with the embedded version of Rifidi Edge Server preinstalled. Just plug in your sensor, build your application using the Rifidi SDK, define your business events, and integrate to your backend system such as the Cloud or Social Media.

Reference Implementations

- Kiosk and sensor driven marketing
- Capturing consumer analytics
- Point of Sales
- Mobile RFID computing
- Smart store front
- Desktop and Document management solutions
- Integrated RF/Sensor solutions with Cloud and Social Media



RIFIDI PI
APPLIANCE

Benefits:

- Lower cost and lower TCO.
- Just plug in your readers.
- Accelerate RFID application development and integration.
- High performance device with lower power needs.
- Enabling RFID and Sensor solutions in Retail, Manufacturing, Supply Chain, Health Care, Aerospace and Government.

Features:

- Fully functional Rifidi Edge Server is included and preinstalled on the Pi.
- Lightweight platform based on OSGI and Java.
- Reader Plug-Ins and API for additional extensions.
- Integration of Cloud Computing and Social Media (Facebook, Twitter).
- RFID customization of high performance CEP Engine (Esper).
- Benchmarked for single sensor implementation with 10 to 15 reads per second.

Hardware:

- ARM11 CPU with 700 MHz Processor
- 256 MB RAM, (shared with GBU)
- SD/MMC/SDIO card slot
- 86 x 54 mm in size, plus casing
- 10/100 Ethernet via integrated USB hub

Supported Readers and Sensors:

Alien 8800, Alien 9800, AWID 2010, AWID 3014, Impinj Speedway, Motorola MC9090, Thing Magic Mercury 4, Thinkify TR-50/200 and all LLRP compliant readers.

For more information, please visit wiki.rifidi.net or forums.rifidi.net.



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