



FEATURES

- IoT UHF RAIN RFID reader/writer
- Connectivity via Ethernet, Wi-Fi and BLE
- Power supply by DC source or PoE

PERFORMANCE

- Ez700
 - Read rate: 1000 tags/s
 - Sensitivity: -89 dBm
- Ez500
 - Read rate: 700 tags/s
 - Sensitivity: -81 dBm

COMMUNICATION

- One PoE-enabled RJ45 Ethernet port at 100 Mbps
- Wi-Fi 802.11n at 150 Mbps
- Two opto-isolated GPI ports
- Four GPO outputs with configurable output voltage
- Built-in buzzer and RGB LEDs for signaling
- One USB port
- One RS232C serial port

COMMUNICATION PROTOCOLS

- MQTT(s)
- Sockets
- HTTP(s) REST
- WebSockets

Identix EZ-series is a family of IoT UHF RAIN RFID readers specially designed for use in high-performance industrial applications

Ethernet PoE and Wi-Fi connectivity, combined with communication protocols such as MQTT and HTTP, enables rapid and seamless integration with various business applications

Advanced features such as DRM (Dense Reader Mode) and SJC (Self Jamming Cancelation) ensure efficient and reliable RFID tag reading under the most challenging conditions

Additionally, when used with RFID tags equipped with the Impinj M800 chip, they deliver a significant increase in read performance, reducing inventory time for tags of interest (TOI) by up to 90%, thanks to the features of the Impinj GEN2X Toolbox

They also incorporate a high-power integrated GPIO module for connecting sensors and actuators, eliminating the need for additional devices and reducing the overall installation cost of the RFID reading system

The EZ-series piglets can be optionally equipped with height sensors and an accelerometer, specifically for deployment on forklifts and other load-handling equipment, enabling automated recording of storage and retrieval of items identified with RFID tags.

Technical Specifications

- UHF RAIN RFID reader ISO18006-C with four RF ports (TNC)
- Operating frequency: 865–928 MHz
- Maximum transmission power:
 - EZ500 +31dBm (max)
 - EZ700 +33dBm (max)
- Sensitivity
 - EZ500 -81dBm (max)
 - EZ700 -89dBm (max)
- A 100 Mbps PoE Ethernet port (802.3af/at)
- Wi-Fi 802.11n and BLE integrated into a single 2.4 GHz radio
- Integrated GPIOs
 - Two opto-isolated inputs (GPIs)
 - Four outputs (GPOs) with software-configurable output voltage
- A 110 dB buzzer and two high-brightness RGB LEDs for signaling
- One USB port
- One RS232C serial port
- DC power supply: +9 VDC to +28 VDC
- Dimensions: 152 × 125 × 34 mm
- Operating temperature: -20 to +50 °C
- Humidity: 5% to 95% non-condensing
- Approximate weight: 350 g
- Protection rating: IP54
- Certifications: FCC and Anatel

For more information visit

idntx.com