



EZ230 & EZ270 AT A GLANCE

- IoT gateway with
 - UHF RAIN RFID reader
 - Wi-Fi connectivity
 - BLE - Bluetooth low Energy gateway
- UHF RAIN RFID reader with two RF SMA ports for connecting external antennas
 - Maximum reading distances
 - EZ230 – up to 2.5m
 - EZ270 – up to 6m
- 802.11n 2.4Ghz Wi-Fi radio
- BLE beacons gateway for capturing beacons and sensors data at distances up to 150m

CONNECTIVITY

- Wi-Fi for data communications and remote management
- Bluetooth 5 for beacons scanning
- USB 2.0 port for RFID data communications and DC power

COMMUNICATION PROTOCOLS

- RAIN RCI
- HTTP(s) REST
- MQTT(s)
- Sockets
- Websockets

Identix EZ230 and EZ270 are high performance ultra-compact IoT gateways that combines reading of passive RAIN RFID tags and BLE beacon scanning capabilities in the same device.

EZ230 delivers maximum RF power of +23dBm, for reading tags up to 2.5 meters away.

EZ270 output power goes up to +27dBm which allows further distances up to 6m depending on the type of tag and antenna used.

Both models have two RF ports with SMA connectors for connecting external RFID antennas. Capacity can be further expanded up to 16 antennas when using the optional CATENA smart antennas multiplexer.

The embedded RFID reader can optionally operate in "keyboard wedge mode" (keyboard emulation via USB HID) along with the automatic decoding of RFID EPC data in SGTIN96 format to UPC / EAN-13 barcode format. These features allow seamless and immediate integration with all applications prepared for use with barcode readers without the need of new software development and integration.

The compact design together with its competitive cost, make EZ230 and EZ270 the ideal device for retail applications, especially fashion and apparel. With easy integration, simplicity, robustness, and low cost, the Identix IoT gateways are the ideal devices for use in different applications and environments such as retail, healthcare, libraries and others.

Product Details

- UHF RAIN RFID reader/encoder - ISO18000-63
 - Operating frequency: 902Mhz to 928Mhz
 - Max transmit power
 - EZ230: +23dBm
 - EZ270: +27dBm
 - Two SMA Female RF antenna ports
 - Communications via Wi-Fi network or USB
 - Network protocols: MQTT(s), RAIN RCI HTTP(s) REST, sockets and websockets
 - USB: keyboard wedge (HID), RAW ASCII and Transparent mode (Impinj IRI API)

WiFi 802.11n radio up to 150Mbps data rate

Bluetooth BLE beacon gateway compatible with

- Apple iBeacon
- Google EddyStone
- Minew sensor beacons (temperature, humidity, accelerometer, luminosity etc.)
- Communication protocols: MQTT(s), HTTP(s) REST, sockets and websockets

General

- One USB 2.0 port for power and optional RFID data. Requires external 2A USB power brick for operation
- Weight: 150g
- Dimensions: 116 x 60 x 12 mm
- Ingress protection rating: IP54
- Operating temperature: -20°C to +65°C
- Certifications: FCC and Anatel