DESKTOP RFID READER · UHF

Desktop 3232 USB

Short-Range UHF RFID Desk Reader · USB & Bluetooth



The **Desktop 3232 USB** is a newly developed desktop UHF reader with a slim 318 × 318 mm footprint and built-in antenna. Supporting **Impinj Gen2X**, it delivers a controlled short read range within 100 cm — ideal for encoding, verification and point-of-use tagging.

A high-efficiency anti-collision algorithm keeps read and write fast and reliable, while USB Type-C and Bluetooth LE let it plug straight into Windows, Android or iOS workstations.

>100 cm	100+	30 dBm	USB-C
READ RANGE	TAGS IN 5 S	OUTPUT POWER	POWER & DATA

KEY FEATURES

Impinj Gen2X engine
Self-developed module on Impinj E-Series chips for stable, powerful UHF.

USB-C & Bluetooth LE
Single USB Type-C for power and data, plus Bluetooth Low Energy 4.0.

Cross-platform SDK
Ready-made SDKs for Windows, Android and iOS speed up integration.

Anti-collision reads
High-efficiency algorithm reads 100+ tags in 5 s with a high identification rate.

TECHNICAL SPECIFICATIONS

Full Datasheet

UHF RFID

Engine	Self-developed, Impinj E-Series chips
Impinj Gen2X	Supported
Frequency	865–868 / 902–928 / 920–925 MHz (region-customizable)
Protocol	EPC C1 Gen2 / ISO 18000-6C
Output power	1–30 dBm, 1 dB stepper
Multi-tag inventory	100+ tags (in 5 s)
Read range	> 100 cm (Impinj M750 tag)
Antenna	Built-in

COMMUNICATION & SOFTWARE

Host interface	USB Type-C (data communication)
Bluetooth	Bluetooth Low Energy (BLE) 4.0
SDK	USB: Android / Windows · BLE: Android / iOS
OS support	Windows · Android · iOS
Indicator LEDs	Power · Bluetooth status · Working (flashes when reading)

PHYSICAL & POWER

Dimensions	318 × 318 × 20 mm
Weight	1133 g (39.96 oz)
Port	USB Type-C
Power supply	USB Type-C

ENVIRONMENT

Operating temp.	−20 °C to +50 °C
Storage temp.	−40 °C to +70 °C
Humidity	5–95% RH, non-condensing
Sealing	IP65

WHY A DESK READER

- Controlled short range — read only the tag in front of you
- Plug-and-play over a single USB-C cable, no separate PSU
- Slim, quiet and rugged enough for a busy counter

APPLICATION AREAS

- Retail checkout & collection
- Identity verification
- Anti-counterfeiting systems
- Logistics labelling & verification
- Smart parking & access control
- Production process control

RFID·BG

Talk to Bulgaria's RFID team

End-to-end deployment: consulting, hardware, software, install & support.

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