# RFID UHF Portable Scanner
# IDT RHC72

Designed using Impinj R2000 module

| Bluetooth 5.0 BLE | IP 65 | Shock Proof | UHF RFID | 54689501878 Barcode Optional |

IDT RHC72 is an android based rugged portable scanner specially designed for hassle-free scanning of items. It is feature-rich and combines best-in-class ease of use and integration tools with a powerful RFID engine, enabling exceptional performance in the most demanding scan environments and applications like Logistics, Warehouse, Manufacturing, Retail and Asset Tracking etc.

## PHYSICAL PARAMTERS

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|---|---|
| Dimensions | 164.2 x 80.0 x 24.3 mm |
| Weight | 654 g |
| Touch Panel | Corning Gorilla Glass, multi-touch panel, gloves and wet hands supported |
| Display | 5.2" IPS FHD 1920 x 1080 |
| Interface | USB 2.0 Type-C, OTG, TypeC headphones supported |
| Battery | 8000 mAh |
| Alarm | Audio & Visual |
| Keypad | 4 front keys, 1 power key, 2 scan keys, 1 multifunctional key |
| Sensor | Gravity sensor, light sensor, proximity sensor |
| Expansion | 1 slot for SIM card, 1 slot for SIM or TF card |

## PERFORMANCE

| | |
|---|---|
| Processor | Cortex-A53 Octa-core 2.5 GHz |
| Bluetooth | Bluetooth v2.1+EDR,3.0+HS,v4.1+HS |
| Expansion | Supports up to 128 GB Micro SD card |
| Memory | 3GB + 32GB / 4GB + 64GB |

## ENVIRONMENTAL SPECIFICATIONS

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|---|---|
| Temperature | -20$^o$C to +50$^o$C (Operating), -20$^o$C to +70$^o$C (Storage) |
| Humidity | 5% RH - 95% RH non condensing |
| Sealing | IP 65 |
| Drop Test | Multiple 1.5 m to the concrete |

## COMMUNICATION

| | |
|---|---|
| **Bluetooth** | Bluetooth 5.0 |
| **WWAN** | 2G, 3G & 4G |
| **GNSS** | GPS/AGPS, GLONASS, BeiDou; internal antenna |
| **WLAN** | IEEE802.11 a/b/g/n/ac, 2.4G/5G dual-band, internal antenna |

## UHF RFID

| | |
|---|---|
| **Frequency** | 865-868 MHz EPC C1 GEN2 / ISO18000-6C |
| **Antenna** | Linear polarization (1.8dBi), Circular polarization (4dBi) |
| **Power** | 1W (30dBm, +5dBm adjustable) |
| **R/W Range** | Up to 15m |
| **Reading Range** | > 200 tags/Sec |

## CAMERA

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|---|---|
| **Rear Camera** | 13 MP autofocus rear camera with flash |

## OPTIONAL FEATURE

| | |
|---|---|
| **Barcode** | 1D & 2D |
| **NFC** | 13.56 MHz |
| **IRIS** | < 150ms |

## ACCESSORIES

| | |
|---|---|
| **Standard** | AC Adaptor, USB Cable, Lanyard. |
| **Optional** | Cradle, Holster |

## DEVELOPING SUPPORT

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|---|---|
| **Operating System** | Android 11; Soti MobiControl, SafeUEM supported |
| **Language** | Java |
| **SDK** | Provided |
| **Tool** | Eclipse / Android Studio |

## ORDER INFORMATION

| | |
|---|---|
| **Part Number** | IDT.RH.C72 |

## APPLICATION AREA

Retail        Construction        ETC        Manufacturing Unit        Transport        Supply Chain

The product specifications and descriptions listed in the specification sheet are subject to change anytime without notice.