

RFID UHF Portable Scanner IDT RHC72



Designed using Impinj E710 module



Bluetooth 5.0
BLE



IP 65



Shock Proof



Impinj
E710
Module



UHF RFID



Barcode
Optional

The IDT RHC72 is a rugged Android RFID reader designed for tough environments. Powered by the Impinj E710 chip and supporting Gen2X, it offers reliable UHF RFID performance with read distances of over 30 meters. It also comes with optional barcode scanning, a fast Octa-Core processor, and a long-lasting 8000mAh battery. This makes it ideal for demanding applications like asset management, retail, warehousing, apparel inventory, toll collection, fleet management, and finance.

PHYSICAL PARAMTERS

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 , Standby: over 500 hours
Notification	Sound, LED indicator
Keypad	4 front keys, 1 power key, 2 scan keys, 1 multifunctional key
Sensor	Gravity sensor, light sensor, proximity sensor

PERFORMANCE

Processor	Octa-core 2.3 GHz
Expansion	Supports up to 256GB Micro SD (TF) card
RAM+ROM	3GB + 32GB / 4GB + 64GB (optional)

ENVIRONMENTAL SPECIFICATIONS

Temperature	-20°C to +50°C (Operating), -20°C to +70°C (Storage)
Humidity	5% RH - 95% RH non condensing
Sealing	IP 65
Drop Test	Multiple 1.5 m to the concrete
Tumble Specification	1000 x 0.5 m / 1.64 ft. falls at room temperature

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	Circular polarization
Power	1W (30dBm, +5dBm adjustable), 2W Optional (33 dBm, for Latin America, etc.)
R/W Range	30m+ / 100ft.+ Read Range
Reading Rate	1300+ tags/sec (circular polarization)

CAMERA

Rear Camera	13 MP autofocus rear camera with flash
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OPTIONAL FEATURE

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

ACCESSORIES

Standard	AC Adaptor, USB Cable, Lanyard.
Optional	Cradle, Holster

DEVELOPING SUPPORT

Operating System	Android 11/13
Language	Java
SDK	Provided
Tool	Eclipse / Android Studio

ORDER INFORMATION

Part Number	IDT.RH.C72
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APPLICATION AREA



Retail



Construction



ETC



Manufacturing
Unit



Transport



Supply
Chain



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

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