

# RFID UHF Portable Scanner IDT RHC71

Designed using Impinj E310 module



-   
 Bluetooth  
5.0
-   
 IP 67
-   
 Impinj  
E310  
Module
-   
 UHF  
RFID
-   
 Barcode  
Optional

The IDT RHC71 is a built-in Android RFID reader powered by a new Octa-Core CPU for faster and more stable performance. It comes with an internal UHF module based on the Impinj E310 chip and supports the latest Impinj Gen2X, giving it strong RFID capabilities with a read range of up to 4 meters. Lightweight and easy to use, it also offers an option for barcode scanning. This reader is well-suited for applications in retail, logistics, warehousing, healthcare, finance, and transportation.

## PHYSICAL PARAMETERS

<b>Dimensions</b>	164.2 x 78.8 x 17.0 mm
<b>Weight</b>	< 321 g
<b>Touch Panel</b>	Corning Gorilla Glass, multi-touch panel, gloves and wet hands supported
<b>Display</b>	5.2" IPS FHD 1920 x 1080
<b>Interface</b>	USB 2.0 Type-C, OTG, TypeC headphones supported
<b>Battery</b>	5000 mAh; Standby: over 350 hours
<b>Alarm</b>	Audio & Visual
<b>Keypad</b>	4 front keys, 1 power key, 2 scan keys, 1 multi-functional key
<b>Sensor</b>	Gravity Sensor, Light Sensor, Proximity Sensor, Vibration Motor

## PERFORMANCE

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

## CAMERA

<b>Rear Camera</b>	13 MP autofocus rear camera with flash
<b>Front Camera</b>	Optional 5 MP front camera

## ENVIRONMENTAL SPECIFICATIONS

Temperature	-40°C to +50°C (Operating), -40°C to +50°C (Storage)
Humidity	5% RH - 95% RH non condensing
Sealing	P 65 / IP 67 per IEC sealing specifications
Drop Test	1.8 m drops to the concrete

## COMMUNICATION

Bluetooth	Bluetooth 5.0
WWAN	2G, 3G & 4G
GNSS	GPS/AGPS, GLONASS, BeiDou; internal antenna

## UHF RFID

Frequency	865-868 MHz EPC C1 GEN2 / ISO18000-6C
Antenna	Circular polarization
Power	1W (+5 dBm to +30 dBm adjustable)
R/W Range	Up to 4m
Impinj Gen2X	Supported

## HF (OPTIONAL)

Frequency	13.56 MHz ISO14443A/B, ISO15693
Range	2-4 cm

## OPTIONAL FEATURE

Barcode	1D & 2D
Fingerprint	Capacitive TCS1/TCS2; Optical Morpho CBM-E3
InfraRed	38 kHz
PSAM	2 Slots for PSAM Cards with ISO 7816 T=0 7 T=1
IRIS	< 150ms

## ACCESSORIES

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

## ORDER INFORMATION

Part Number	IDT.RH.C71
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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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