

# RFID UHF Portable BluetoothScanner IDT RHR6

Designed using Impinj E710 module



Bluetooth 5.0  
BLE



IP 54



Shock Proof



Impinj  
E710 Module



Barcode  
(1D&2D)

The IDT RHR6 is designed as a complete handheld solution that works with smartphones or PDAs. When paired with an Android or iOS device, it turns into a professional data collection tool. Powered by the Impinj E710 with Gen2X support, it offers strong UHF reading and writing with outdoor read ranges of over 31 meters. Lightweight and easy to hold, the reader can be quickly attached or removed, making it ideal for tasks like inspections, inventory counting in apparel, warehouse management, asset and fleet tracking, and use in the finance sector.

## PHYSICAL PARAMETERS

<b>Dimensions</b>	151 x 76 x 132 mm
<b>Weight</b>	Sled Reader: 438 g
<b>Touch Panel</b>	Host Dependent
<b>Phone Size Adaptibility</b>	Width 68~80 mm, thickness ≤ 22 mm
<b>Interface</b>	USB 3.0 Type-C
<b>Battery</b>	5200 mAh (70 hours Standby, up to 2.5 Hrs continuous use )
<b>Indicator</b>	Buzzer, Power, Work, Bluetooth
<b>Size of adapted phone</b>	Sled Reader: Width 68~80 mm, thickness ≤ 22 mm Others: Based on phone case or holder

## PERFORMANCE

<b>Processor</b>	Cortex-M3 72MHz
<b>Bluetooth</b>	Bluetooth 5.0, BLE

## ENVIRONMENTAL SPECIFICATIONS

<b>Temperature</b>	-20°C to +50°C (Operating), -40°C to +70°C (Storage)
<b>Humidity</b>	5% RH - 95% RH non condensing
<b>Sealing</b>	IP 54
<b>Drop Test</b>	Multiple 1.5 m drops to concrete

## UHF RFID

Frequency	865-868 MHz/ 920-925 MHz / 902-928 MHz
Antenna	Circular Polarized Antenna (4dBi)
R/W Range	Up to 30m
Power Output	1W (30dBm, support +5~+30dBm adjustable)
Reading Rate	1300 + tags/Sec
Impinj Gen2X	Supported

## OPTIONAL FEATURE

Barcode	1D & 2 D
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## ORDER INFORMATION

Part Number	IDT.RH.R6
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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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