



# RFID UHF Portable Scanner

## IDT RHR6

Designed using Impinj E710 module



Bluetooth 5.0  
BLE



IP 54



Shock Proof



Impinj  
E710 Module



Barcode  
(1D&2D)

IDT RHR6 is a portable sled reader specially designed for hassle-free scanning of items. It meets the industrial needs in Logistics, Warehouse, Manufacturing, Retail and Asset Tracking. Both Android and IOS devices can be mounted on the reader. This device specializes in delivering the best reading range in UHF RFID application areas. Build with the Impinj E710 module, it has great reading and writing capabilities for over 10m.

### PHYSICAL PARAMETERS

Dimensions	151 x 76 x 132 mm
Weight	438g
Touch Panel	Host Dependent
Phone Size Adaptibility	Width 68~80 mm, thickness ≤ 22 mm
Interface	USBV3.0 Type-C
Battery	5200 mAh (70 hours Standby, up to 2.5 Hrs continuous use )
Alarm	Buzzer, LED Indication for Power
Body	Plastic
Color	Black

### PERFORMANCE

Processor	Cortex-M3 72MHz
Bluetooth	Bluetooth 5.0, BLE

### ENVIRONMENTAL SPECIFICATIONS

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

## UHF RFID

Frequency	920-925 MHz / 902-928 MHz / 865-868 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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