



RFID UHF Portable Scanner

IDT RHR6

Designed using Impinj R2000 module



Bluetooth 4.0
BLE



IP 54



Shock Proof



UHF RFID
(Impinj)



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 R2000 module, it has great reading and writing capabilities for over 10m.

PHYSICAL PARAMETERS

Dimensions	143 x 76 x 140 mm
Weight	483g
Touch Panel	Host Dependent
Phone Size Adaptibility	Width 68~80 mm, thickness ≤ 22 mm
Interface	USB3.0 Type-C
Battery	5200 mAh (70 hours Standby, up to 6Hrs continuous use with UHF reading)
Alarm	Buzzer, LED Indication for Power, Work Bluetooth
Body	Plastic
Color	Black

PERFORMANCE

Processor	Cortex-M3 72MHz
Bluetooth	Bluetooth 4.0, BLE
Expansion	64 MB RAM & 4 GB ROM

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	865-868 Mhz
Antenna	Circular Polarized Antenna (3dBic)
Engine	Impinj R2000
R/W Range	>10m
Power Output	1W (30dBm, support +5~+30dBm adjustable)
Reading Rate	up to 900 tags/Sec.

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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