

# RFID UHF PORTABLE SCANNER IDT RH61

Designed using Impinj E710 module



Bluetooth 5.1  
BLE



IP 65



Impinj  
E710 Module



Android  
11/13



54689501878

Barcode  
(1D & 2D)

The IDT RH61 UHF is a powerful key-based RFID reader. It uses the Impinj E710 chip, allowing it to read large numbers of tags over long distances quickly and accurately. It also supports Impinj Gen2X for better RFID performance. The RH61 comes with flexible options, including different keypads (27/37/47 keys), a detachable 6700mAh battery, an optional 5200mAh battery for pistol grip use, and is Wi-Fi 6-ready. This versatile device is easy to use across industries like logistics, manufacturing, and retail.

## PHYSICAL PARAMETER

<b>Dimension</b>	202.0 x 72.5 x 32.0mm
<b>Weight</b>	370g
<b>Interface</b>	USB Type-C, USB 3.1, OTG, extended thimble;
<b>Display</b>	4-inch high definition display, 800 x 480
<b>Battery</b>	6700mAh removable main battery, 5200mAh optional pistol battery; Standby: up to 680 hours
<b>Touch Panel</b>	Multi-touch panel, gloves and wet hands supported;
<b>Audio</b>	2 microphones, 1 for noise cancellation; 1 speakers; 1 receiver
<b>Notification</b>	Sound, LED indicator, vibrator
<b>Keypad</b>	Main keyboard (Optional): 27 keys / 37 keys / 47 keys; Side keys: 2 SCAN keys + 2 volume keys + 1 user-defined key
<b>Sensors</b>	Accelerometer sensor, light sensor, proximity sensor, gravity sensor

## PERFORMANCE

<b>Processor</b>	Octa-core, 2.0 GHz
<b>Expansion</b>	Supports up to 256GB Micro SD (TF) card
<b>RAM+ROM</b>	3GB + 32GB / 4GB + 64GB

## ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-20 °C to +50 °C
Storage Temperature	-40 °C to +70 °C
Humidity	5% RH - 95% RH non condensing
Drop Test	1.8 m to the concrete
Protection	IP65

## COMMUNICATION

WLAN	802.11 a / b / g / n / ac, 2.4G / 5G dual-band
WWAN	2G, 3G & 4G
Bluetooth	Bluetooth 5.1
Vo-LTE	Support
GNSS	GPS/AGPS, GLONASS, BeiDou, Galileo, internal antenna

## UHF RFID

Frequency	865-868MHz / 920-925MHz / 902-928MHz
Engine	CM710-1 module based on Impinj E710 Impinj Gen2X Supported
Protocol	EPCglobal Gen 2 (ISO18000-6C)
Antenna	Circular Polarized Antenna
Max Read Range	Up to 30m
Fastest Read Rate	1300+ tags/sec

## CAMERA

Camera	Rear 13MP Autofocus with flash Facial Recognition ISO19794-5 Compatible
--------	--

## DEVELOPING ENVIRONMENT

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

## ORDER INFORMATION

Part Number	IDT.RH.61
-------------	-----------

## APPLICATION AREA



Retail



Construction



ETC



Manufacturing Unit



Transport



Supply Chain



ID TECH SOLUTIONS PVT. LTD.

610, Udyog Vihar Phase-5, Gurgaon, Haryana - 122016, INDIA | T. : +91-124 - 4255530 (6 Lines)

E.: [info@idsolutionsindia.com](mailto:info@idsolutionsindia.com) | W: [www.idsolutionsindia.com](http://www.idsolutionsindia.com)



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

©2025 ID Tech Solutions Pvt. Ltd. All Rights Reserved.