

# RFID UHF PORTABLE SCANNER

## IDT RHC66

Designed using Impinj E510 module



Bluetooth 5.1  
BLE



IP 65



Impinj  
E510 Module



Android  
11/13



Barcode  
(1D & 2D)



The IDTRH66 is a rugged Android 11/13 handheld terminal with a 5.5" screen, octa-core CPU, and a detachable high-capacity battery with fast charging. It features an integrated UHF module with up to 2.7m read range and supports Impinj Gen2X for enhanced RFID performance. Optional barcode and NFC capabilities make it ideal for logistics, warehousing, retail, and asset management.

### PHYSICAL PARAMETER

Dimension	160.0 x 76.0 x 26.0 mm
Weight	297 g
Interface	USB Type-C, USB 3.1, OTG, extended thimble;
Display	5.5-inch high definition full display (18:9), IPS 1440 x 720
Battery	Removable main battery 5200mAh, support QC3.0 and RTC Standby: up to 490 hours
Touch Panel	Multi-touch panel, gloves and wet hands supported;
Audio	2 microphones, 1 for noise cancellation; 1 speakers; 1 receiver
Notification	Sound, LED indicator, vibrator
Keypad	1 power key, 2 scan keys, 2 volume keys

### PERFORMANCE

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

## 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	5.1
Vo-LTE	Support
GNSS	GPS/AGPS, GLONASS, BeiDou, Galileo, internal antenna

## UHF RFID

Frequency	865-868MHz / 920-925MHz / 902-928MHz
Engine	CM-5N module based on Impinj E510 Impinj Gen2X Supported
Protocol	EPCglobal Gen 2 (ISO18000-6C)
Antenna	Linear Polarized Antenna (-5 dBi)
Max Read Range	2.7m
Output Power	1W (+19dBm to +30dBm adjustable)

## CAMERA

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

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

## ORDER INFORMATION

Part Number	IDT.RH.C66
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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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