

RFID UHF PORTABLE SCANNER IDT RHC5



IDT RHC5 is an upgraded all-in-one high-performance android based rugged portable scanner especially designed for hassle-free scanning of items. The device Integrated with a self-developed Impinj E710/R2000 based UHF module which offers industry-leading UHF performance featuring Android 11 platform, Qualcomm octa-core processor, optional mass internal memory and a large capacity removable battery. IDT RHC5 also supports 2D scanning, NFC, fingerprint recognition and other functions, which enables it to be widely used in the application areas like warehousing, retail, logistics, banking, public security, and other industries.

PHYSICAL PARAMETER

Dimension	177.0 x 80.2 x 14.8mm
Weight	598g
Interface	USB 2.0 Type-C, OTG, Type-C headphones supported
Display	5-inch (Fingerprint), 1280 x 720 / 6-inch, 2400 x 1080
Battery	6700mAh removable pistol battery Built in 100mAh backup battery, supporting battery hot swap
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, 1 user-defined key, 2 volume keys (+/-)

PERFORMANCE

Processor	Cortex-A53 Octa-core, 2.3GHz
Expansion	Supports up to 128GB Micro SD card
Memory	3GB + 32GB (RAM + ROM)

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-20 °C to +50 °C
Storage Temperature	-40 °C to +70 °C
Humidity	(Storage) 5% RH - 95% RH non condensing
Drop Test	Multiple 1.5 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
Vo-LTE	Support
GNSS	GPS / AGPS, GLONASS, BeiDou, Galileo

UHF RFID

Frequency	865-868MHz
Engine	CM710-1 module based on Impinj E710 CM2000-1 module based on Impinj Indy R2000
Protocol	EPCglobal Gen 2 (ISO18000-6C)
Antenna	Circular polarization; 5dBic
Fastest Read Rate	950+ tags / sec (Circular Polarized)
Output Power	1W (30dBm, +5dBm to +30dBm adjustable) 2W Optional (33dBm, for Latin America, etc.)

CAMERA

Front Camera	5MP
Rear Camera	Rear 13MP Autofocus with flash

CAMERA

SDK	Android / IOS SDK Supported
Operating System	Android 11
Language	Java
Tool	Eclipse / Android Studio

ORDER INFORMATION

Part Number	IDT.RH.C5
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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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