

RFID UHF Portable Scanner IDT RHC4050

Designed using Impinj R2000 module



Bluetooth 4.0
BLE



IP 64



GPS



UHF RFID
(Impinj R2000)



54689501878

Barcode
(1D&2D)



IDT RHC405 is a rugged RFID reader based on Android. It provides high-level RFID performance that enables read distance of over 12m and allows bulk reading as well. It features optional barcode scanning. This easy-to-deploy RFID reader can be used in Logistics, Retail, Warehousing, Energy, Industrial Management, Livestock Management, etc.

PHYSICAL PARAMETERS

Dimensions	192 x 87 x 151 mm
Weight	721 g
Touch Panel	Rugged resistive touch panel
Display	4" WVGA (480*800), 16.7M colors
Interface	USB Micro-B
Battery	Main battery: Li-ion, 3200mAh Pistol battery: Li-ion, 5200mAh (Optional)
Alarm	Audio & Visual
Expansion Slot	2 PSAM slots (maximum), 1 SIM, 1 MicroSD(TF) slot
Keypad	4 TP touch key-press buttons
Sensor	4 TP touch key-press buttons

PERFORMANCE

Processor	Qualcomm 1.3 GHz quad-core (Option 1) Qualcomm 1 GHz quad-core (Option 2)
Expansion	Supports up to 128 GB Micro SD card
Memory	2GB + 16GB (Option 1) 1GB + 8GB (Option 2)

ENVIRONMENTAL SPECIFICATION

Temperature	-20°C to +50°C (Operating), -40°C to +70°C (Storage)
Humidity	5% RH - 95% RH non condensing
Drop Test	Multiple 1.2m to the concrete
Protection	IP 64

COMMUNICATION

Bluetooth	Bluetooth 4.0
WLAN	IEEE802.11 a/b/g/n
WWAN	GSM, GPRS, EDGE & WCDMA
GPS (Optional)	GPS, AGPS

UHF RFID

Frequency	865-868 MHz EPC C1 GEN2 / ISO18000-6C
Antenna	Linear polarization (1.8dBi) Circular polarization (4dBi)
Power	1W (30dBm, +5dBm to +33dBm adjustable)
R/W Range	>7m (linear polarization); >15m (circular polarization)
Reading Range	> 200 tags/Sec
Engine	CM2000-1 module based on Impinj Indy R2000

OPTIONAL FEATURE

Barcode	1D & 2D
Fingerprint	Fingerprint enrollment, match, storage etc.
PSAM	2 PSAM slots (maximum)
InfraRed	940nm Wavelegth

ACCESSORIES

Standard	AC Adaptor, USB Cable, Lanyard.
Optional	Cradle, Holster

DEVELOPING SUPPORT

Operating System	Android 5.1
Language	Java
SDK	Provided
Tool	Eclipse / Android Studio

ORDER INFORMATION

Part Number	IDT.RH.C4050
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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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