RFID MOBILE COMPUTER
IDT RHC71

Android 11 **IP 65** **1D Barcode** **2D Barcode** **NFC**

The IDT RH C71 stands out as an industrial-grade rugged mobile device renowned for its exceptional extensibility. Running on Android 11 and powered by an Octa-Core processor, it offers extensive support for optional features such as barcode scanning, NFC, HF and UHF capabilities, fingerprint recognition, PSAM, and a camera, among others. With its outstanding performance, the C71 is ideally suited for deployment across various sectors including logistics, retail, warehousing, healthcare, power management, card services, parking management, and government projects. Its capabilities empower users to swiftly attain efficient information management and enhance operational productivity.

PHYSICAL PARAMETER

Dimension	164.2 x 78.8 x 17.0 mm
Weight	288 g
Interface	USB 2.0 Type-C, OTG, Type-C headphones supported
Display	5.2" IPS LTPS 1920 x 1080
Battery	5000 mAh
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	4 front keys, 1 power key, 2 scan keys, 1 multifunctional key

PERFORMANCE

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

ENVIRONMENTAL SPECIFICATIONS

Operating Tempreture	-20 ℃ to +50 ℃
Storage Temperature	-40 ℃ to +70 ℃
Humidity	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

DATA COLLECTION

Barcode (Optional)	1D, 2D
HF (Optional)	13.56 MHz
UHF (Optional)	865-868 MHz
InfraRed (Optional)	38 KHz
Fingerprint (Optional)	Capacitive TCS1, Optical Morpho CBM-E3

HF

Frequency	13.56 MHz
Protocol	ISO14443A/B, ISO15693
Chips	M1 card (S50/S70), M0 (Ultralight),M3 (Desfire D40/D41/D81)
	CPU_A card,CPU_B card
	ICODE II,TI2048,LRI64K
	Others for customization
Range	3-8 cm

NFC

Frequency	13.56 MHz
Protocol	ISO14443A/B, ISO15693, NFC-IP1, NFC-IP2, etc
Chips	M1 card (S50, S70), CPU card, NFC tags, etc.
Range	2-4 cm

CAMERA

Front Camera	5 MP *This function is optional
Rear Camera	Rear 13MP Autofocus with flash

PSAM

Protocol	ISO7816 T=0, T=1
Slots	2 slots for PSAM cards
Note*	* This function is optional

DEVELOPING ENVIRONMENT

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

APPLICATION AREA

Library	Construction	ETC	Manufacturing Unit	Transport	Retail