

HANDHELD READER IDT RHC90



IDT RHC90 is our newly-developed, lightweight and portable handheld terminal that exhibits extremely powerful performance. Built with Android 10 OS and high-performance octa-core processor, it features vigorous system configuration. With rich functionality features like outstanding barcode scanning, sturdy WiFi performance, NFC, front and rear cameras, it possesses the best price versus performance ratio. All these make RHC90 immensely perfect to be implemented in a wide spectrum of industries, including logistics, warehousing, retail, asset tracking etc., assisting customers to improve operation and management levels significantly.

PHYSICAL PARAMETER

Dimension	158.5 x 76.0 x 13.1 mm / 6.24 x 2.99 x 0.52 in.
Weight	230g
Interface	USB Type-C, USB 2.0, OTG
Sensor	Light sensor, proximity sensor, gravity sensor
Display	5.7-inch (18:9) , IPS LTPS 1440 x 720
Battery	Main battery: built-in 5000 mAh Standby: up to 490 hours (only main battery ; WiFi: up to 470h; 4G: up to 440h) Continuous use: over 12 hours (depending on user environment) Charging time: 2.5 hours (charge device by standard adaptor and USB cable)
Touch Panel	Corning Gorilla Glass, multi-touch panel, gloves and wet hands supported
Audio	2 microphones, 1 for noise cancellation; 1 speaker; receiver
Notification	Sound, LED indicator, vibrator
Keypad	Power, 2 scan keys, volume +/-

PERFORMANCE

Processor	Cortex-A53 2.0 GHz Octa-core
Expansion	Supports up to 128 GB Micro SD card
Memory	3GB+32GB / 3GB+64GB / 4GB+64GB

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	IP67

COMMUNICATION

WLAN	Support IEEE802.11 a/b/g/n/ac/d/e/h/i/k/r/v/w, 2.4G/5G dualband, IPV4, IPV6; Support 5G PA Fast roaming: PMKID caching, 802.11r, OKC Operating Channels: 2.4G(channel 1~13), 5G(channel36,38,40,42,44,46,48,52,56,60,64,100,104,108,112,116,120,124,128,132,136,140,149,153,157,161,165), depends on local regulations Security and Encryption: WEP, WPA/WPA2-PSK(TKIP and AES), WAPI-PSK—EAP-TTLS, EAP-TLS, PEAP-MSCHAPv2, PEAP-LTS, PEAP-GTC, etc.
WWAN	2G: GSM850/GSM900/DCS1800/PCS1900 3G: CDMA EVDO: Bc0 WCDMA: B1/B2/B4/B5/B8 TD-SCDMA: A/F(B34/B39) 4G: B1/B2/B3/B4/B5/B7/B8/B20/B34/B38/B39/B40/B41
Bluetooth	V2.1+EDR, 3.0+HS and V4.1+HS, BT5.0
GNSS	GPS/AGPS, GLONASS, BeiDou, Galileo, internal antenna

NFC

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

CAMERA

Front Camera	5MP
Rear Camera	Rear 16MP Autofocus with flash

BARCODE SCANNING (OPTIONAL)

2D Scanner

Honeywell: N6603 / N6703

1D Symbologies

UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5,

2D Symbologies

PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro

QR code, Aztec, MaxiCode; Postal Codes: US PostNet, US Planet, UK Postal,

Australian Postal, Japan Postal, Dutch Postal (KIX), etc.

OPTIONAL ACCESSORIES

Charging Cradle; Lanyard etc.

DEVELOPING ENVIRONMENT

SDK

IDT RHC90 Software Development Kit

Operating System

Android 10, GMS, FOTA, Soti MobiControl, Android Enterprise Recommended, Zero-Touch, 90-day security updates, SafeUEM supported; Built-in support for a future upgrade through Android 11 / 12 which complies with GMS and Android Enterprise Recommended

Language

Java

Tool

Eclipse / Android Studio

ORDER INFORMATION

Part Number

IDT.RH.C90

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 | W: www.idsolutionsindia.com

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

©2023 ID Tech Solutions Pvt. Ltd. All Rights Reserved.