ID TECH
IDENTITY AND SECURITY

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)

54689501878

The IDT RHC66 UHF is a powerful RFID reader with high sensitivity and a reading range of up to 30 meters. The RHC66 UHF (Built-in) is a lighter, phone-sized version designed for short-range use. Both models support Impinj Gen2X for better RFID performance. They also come with Android 11/13, a Qualcomm Octa-core processor, a 5.5-inch screen, long-lasting battery, 13MP camera, and optional barcode scanning.

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) card
RAM+ROM	3GB + 32GB
	4GB + 64GB (Optional)
	6 GB + 128 GB (Optional)

ENVIRONMENTAL SPECIFICATIONS

Operating Tempreture	-20 ℃ to +50 ℃
Storage Temperature	-40 ℃ to +70 ℃
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	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	Circular Polarized Antenna
Max Read Range	Up to 32m
Fastest Read Rate	1300+ tags/sec

CAMERA

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

DEVELOPING ENVIRONMENT

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

ORDER INFORMATION

Part Number	IDT.RH.C66

APPLICATION AREA

Retail   Construction   ETC   Manufacturing Unit   Transport   Supply Chain