UD55UHF

HF, UHF dual frequency design
Easily apply in various industrial application

Compact design, Easy to operate

Ultra-thin body design, built-in UHF modules, easy to carry and efficient to operate

5.5 inch IPS Highlight full view display, 18:9 slender screen design, super resolution for excellent visual experience

5800mAh large battery capacity, continuous work for 10 hours without anxiety, Supports charging method such as type-C and fast charging to meet a verity of application needs

All-rounders in RFID & Barcode

Professional UHF module, label processing speed> 30 tag/s, rade distance> 5m

Supports NFC function, can be used for identification and the accesses management

Equipped with professional scanning engine, support international 1D/2D barcodes,accurate reading and fast decoding

Performance improvements to address pain points

Front dual stereo speakers, can be heard easily in any noise environment

IP65 protection level, no fear of water and dust invasion

Front Camera 5MP FF, Rear Camera 13 MP AF (optional 16 MP), Picture exquisite and clear, meeting the needs of multiple data collection.

UD55UHF Specification

FC   ((((( )))   CE   RoHS

System Configuration

CPU	Octa-core 2.0 GHz
Operating System	Android 8.1
Memory	16GB + 2GB
Expansion Slot	Micro SD (TF) card slot up to 128GB
Display	5.5 inch, IPS highlight screen 720*1440
Touch Panel	5-point capacitive touch screen
Camera	Rear camera 13MP AF (16MP AF option)
	High brightness LED flash, Front Camera 5MP FF
Keypad	2 volume buttons, 1 power button
	2 function buttons (1 left and 1 right)
Battery	5800 mAh
Charging	PE fast charging, full charged time<4 hours
Audio	Front dual stereo speakers,
	Volume 90db ± 3db (test distance 10cm)
Notification	Vibrator alerts/LED/Audio notification
Vibration Motor	Built-in programmable vibration motor
Sensor	Gsensor, Ambient light sensor, Proximity Sensor, COMPASS
PSAM	Optional

Structural Parameters

Dimensions (LxWxD)	184 mm x 70 mm x 29.8 mm
Weight	290g

Communication Transmission

WWLAN	FDD-LTE B1/B3/B5/B7/B8
	TDD-LTE B38/B39/B40/B41
	TDSCDMA B34/B39
	WCDMA B1/B2/B5/B8
	GSM B2/B3/B5/B8
	CDMA1x/CDMA2000 BC0/BC1
Wireless LAN	IEEE 802.11 a/b/g/n 2.4G 5G dual frequency
Bluetooth	Bluetooth 4.1 BLE
GPS	GPS+BD+GLONASS

Input/Output interface

USB interface	USB-Type C
SIM Card Port	Dual Nano-SIM card slots
Charging Port	Charging and bottom USB connector
	Support cradle extension
OTG	Support

Environmental Specifications

Operation Temp.	-20℃ ~ 55℃
Storage Temp.	-30℃ ~ 70℃
Humidity	5% ~ 95%
Drop	6 sides multiple drop, 1.5m to the concrete
Protection level	IP65
ESD	±15 kV air discharge, ±8 kV contact discharge

Barcode Scanning

Scan Engine	CM60/SD5670/Honeywell N6603
Code Support	EAN13, EAN8, UPCA, UPCE, Code 128, Code 39, Codabar, UCC/EAN128, RSS,ITF, ITF14, ITF6, ISSN, ISBN, Standard 25, Matrix 25,Industrial 25,Plessey, MSI Plessey, Code 11, Code 93, PDF417, QR Code, DataMatrix, AZTEC, Hanxin Code, Maxicode, Micro QR,Micro PDF417, Composite

RFID UHF

Working Frequency	China (920-925MHz, 840-845MHz)
	North America (902-928MHz)
	European frequency (865-867MHz)
Power	Working voltage 3.6-5V,
	RF output 5-30dBm(1W), 1dbm adjustable;
Standby power	0.25W, maximum 4W(typical 3.5W)
Protocol	ISO 18000-6C
Antenna	Ceramic antenna (1.5dBi)
Output Power	+5dBm~ +30dBm
Reading Distance	Indoor >5m, Outdoor >3m
Group Read Rate	>30 tags per second

NFC

Frequency	13.56 MHz
Reading Distance	0-5cm
Protocol	ISO14443 A/B, ISO15693

Input/Output interface

USB interface	USB-Type C
SIM Card Port	Dual Mirco-SIM card slots
Charging Port	Charging and bottom USB connector
	Support cradle extension
OTG	Support

Accessories

Standard	Charger, USB cable, Battery, Lanyard

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Main application areas:

Logistic   Retail   Warehousing   Public   HealthCare   Manufacturing

4G   Wi Fi   NFC