



NWE-AHRT

Superior UHF Reading and Writing

Long-lasting Battery life

High Scanning Performance

Superior UHF RFID Engine

Equipped with the industry's top Impinj Indy R2000 chip, UHF RFID module performance and reliability is well known in the industry, with excellent stability and strong multi-label identification performance.

Circular Polarized 4dBi Antenna Above 12m Read Distance

NEW-AHRT UHF module supports circular polarization 4dBi antenna, which can achieve a wide scanning range and a scanning distance greater than 12 meters, making the scanning and reading application in practical work more flexible, accurate, efficient and convenient.

10000mAh Long-lasting Battery 18W Fast Charge

NEW-AHRT superior UHF RFID device with 10000mAh capacity in the industry. The equipment perfectly adapt to the requirements of high-intensity data acquisition application, supports the powerful fast charging technology, can quickly replenish power in the working interval, and can be used in all-weather high- intensity continuous work.

Depth optimization of scanning performance

Equipped with the industry's leading 2D scan engine, read all kinds of barcodes and QR codes accurately and quickly, whether its defacement, old fading or screen displayed code. The wide range of scanning and scanning distance make the actual work of scanning applications more flexible and faster.

NWE-AHRT

System Configuration

Processor	MT6762V/CA(Octa-core, 2.0GHz)
Operating System	Android 13.0
Memory	64 GB ROM+4 GB RAM(Standard)
Expansion Slot	Micro SD card (Up to 64GB SDHC)
Display	5.45', 720*1440, HD+ 18:9, LTPS
Touch Panel	GFF 10 touch, Glove mode/Wet hand operation
Front Camera	5MP (FF)
Rear Camera	13MP, PDAF, with flash LED
Touch Glass	Tempered glass
Keypad	Three virtual keys: Menu , Home , Back Physical keys: 1 power key, 2 scan keys, 1 volume keys(volume+/-)
Battery	Capacity
	10000mAh build-in lithium polymer battery, discharge temperature-20~60°C
Fast charge	9V/2A
	Spec
Speaker	12*17*2.5 (Dual speaker)
Prompt	Vibration prompt /LED prompt/audio prompt
Vibration	Built-in vibration motor
Sensor	G-sensor/Proximity sensor/Light sensor/ Gyroscope/geomagnetic sensor

Mechanical Parameter

Dimension (LxWxD)	158mm×76mm×13.7mm
Weight (g)	227g

Communication Transmission

Wireless WAN (Network frequency)	GSM: B2/B3/B5/B8 CDMA/CDMA-EVDO: BC0 TD-SCDMA: B34/B39 WCDMA: B1/B8 TDD-LTE Bands : B34/B38/B39/B40/B41 LTE_FDD/TDD Bands: B1/B3/B8 CA: B3+B3 2CA; B1+B3 2CA
Wireless WAN (Data Service)	GSM/CDMA/CDMA-EVDO/TD-SCDMA/WCDMA/TDD LTE/FDD LTE Wi-
Wireless LAN	Fi 802.11 a/b/g/n/ac (Dual-band: 2.4GHz+5GHz)
Bluetooth	Bluetooth 5.1
GPS	Support GPS/AGPS/Glonass/BDS

Develop Tools

Developing Tool	Android SDK
Supported language	Java

User Environment

Operating Temp.	-20~55°
Storage Temp.	-40~60°
Humidity	0~95%
Drop Specification	Concrete1.5M
IP Grade	IP65
ESD	±12 KV air discharge, ±8 KV conductive discharge

UHF RFID Operating frequency (860-960 MHz)

Scanner engine	Based on Impinj Indy R2000
CN / US/EU Frequency	920-925 / 902-928 / 865-868 MHz
Protocol	EPC C1 GEN2 / ISO18000-6C
Antenna	Circular polarization (4dBi)
Output Power	+5 dBm~+30 dBm
R/W ranges	>12m (circular polarization, open outdoors, 96 tag)
Reading rates	>200tags/S

* Ranges and rates depend on tags and environment;

2D Barcode Scanning (optional)

Input / Output Ports

USB Port	1 PCS , Type-C USB waterproof
Charger Port	port 1 PCS, Type-C USB waterproof
OTG	port Support

Accessories

Standard	Power adapter、USB cable、tempered glass screen protector
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