UHF RFID

Handheld Reader

VH-71T

Product Introduction:

(1) Android system, quad-core processor, large-capacity storage space

Using Android 7.0 system, quad-core 1.3GHZ high-speed processor, 2GB RAM, 16GB ROM, can easily process each task instruction, support multiple tasks to run smoothly, is the best guarantee for mobile information processing.

(2) Diversified wireless communication functions

2.4Ghz&5Ghz dual-band WIFI, support IEEE802.11a/b/g/n/, get rid of the restriction of channel on network broadband in B/G mode, support Bluetooth 4.0, and have better performance in supporting connected devices.

(3) 5 inch 720P HD screen Corning Gorilla touch screen

The screen uses a 5-inch high-definition screen, Corning Gorilla's third-generation touch screen, with a resolution of 1280*720, visible in the sun, while ensuring a high-definition experience, taking into account the screen's drop resistance.

(4) Customized development, optional functions

It can be equipped with various modules according to customer needs, and can be assembled with some modules provided by customers to meet the needs of various industries. At the same time, the system kernel can be secondary developed and upper-layer application software developed according to customer needs.

(5) Professional RFID UHF/HF reading and writing function

The UHF reading distance is more than 2.5 meters, the longest reading distance can reach 4 meters,

the high frequency reading performance is stable, and HF&UHF dual frequency RFID reading and writing functions can be realized on the same machine according to customer needs.

(6) Fingerprint recognition and ID card reading function

It can be equipped with fingerprint recognition and ID card reading functions according to customer needs to meet the needs of various industries for personnel identification and recording.

规格参数：

Model No.	VH-71T	
Performance Index		
processor	Cortex A53 quad-core 1.3GHZ processor	
Memory Capacity	ROM：EMMC 16GB　RAM： LPDDR2 2GB	
operating system	Android 7.0	
Wireless communication	GPRS（standard）	GPRS, EDGE ， 4-band 900/1800，850/1900
	WCDMA （ TDLTE FDDLTE +TDD WCDMA+GSM）	band 850/1900/2100, Cat.8 HSDPA Cat.6 HSUPA
	WIFI（standard）	2.4G/5G dual frequency, conforming to IEEE 802.11a/b/g/n/ac
	Bluetooth（optional）	Compliant with Bluetooth 4.0
Display	5.0 inch IPS screen, resolution 720*1280, high-definition full viewing angle, visible in sunlight	

keyboard	Scan key, function key
touch screen	Gorilla's third-generation secondary tempered glass, supports multi-point capacitive touch
Indicator light	Network indicator light, charging indicator
Audio	Support voice broadcast
Micro SD card	Support 128GB Micro SD card
Data Security	The product has data protection against power failure. In the case of complete power failure (removing the battery and no external power supply), the data is not lost.
GPS indicator	Channel: 12 channels Reception type: L1, C/A code, with carrier phase smoothing Recapture: <1s The latest ASIC chip; EVEREST multipath suppression technology Error range: +-5 meters
Navigation map	Support Kailide, Baidu, Google, Gaode and other navigation maps
Input	Full screen handwriting, half screen handwriting, strokes, pinyin, numbers, letters, symbols
Physical interface	High-speed USB2.0 device end interface, 3.5 stick plug charging interface
Camera (optional)	Rear 8 million pixel camera with flash, auto focus function
flashlight	Low power LED lighting, emergency use
Large fingerprint (optional)	TCS1 biological fingerprint (inductive capacitive), 256x360pixel
ID card reading (optional)	ID card reading of the Ministry of Public Security

One-dimensional barcode (optional Honeywell N431X)

Support code system	Code 39、Code 93、Code 128、Codebar、EAN-13、EAN-8、UPC-A、UPC-E、ITF 14、UCC/EAN-128、ITF 25、Matrix 25、EAN-128、ISBN
Read distance	0 cm～50 cm
Detect rate	First reading rate≥99%, error rate≤0.01%, rejection rate≤0.01%

Two-dimensional barcode (QR code) (optional)

Honeywell-6603	Long recognition distance, high recognition rate, fast decoding speed, bit error rate≤0.01%

RFID （optional）

UHF RFID	2m reading distance (related to tag and antenna), support 865~868MHz or 920~925MHz; ISO18000-6C protocol
HF RFID(13.56MHz)	Read and write to ISO15693, ISO14443 dual protocol 13.56MHz tags within a distance of 0~7cm (related to tags and antennas)
LF RFID	125K/134.2K animal ear tag
PSAM	Supports two PSAM cards
HF（CPU card）	Support CPU card reading and writing, use with PSAM

Active short-range communication (optional)

Active 2.45G	200m open distance, 200 tags can be read at once
433M	Reading distance above 200m, adjustable distance
ZIGBEE	Suitable for wireless network data collection

Battery performance

Battery	4500mAh lithium polymer battery, standby time: more than 200 hours, working time more than 10 hours, AC adapter charging（2A）

Battery standby time	After the battery is fully charged, turn off the wireless communication function and stand by. After 360 hours, it can operate normally
Battery charging time	Charging time <4.5 hours
Working time	>10 hours (one full charging)

Work environment

Operating temperature	-20℃~50℃
storage temperature	-20℃~70℃
Relative humidity	10%~90%RH，non-condensing

Physical parameter

total weight	Less than 450 grams (including battery, excluding charger)
Package dimensions	170 (length) × 85 (width) ×23 (Thickness) ± 2 mm
packing list	1 lithium battery, 1 charging head, 1 DC charging cable, 1 USB data cable