RFID UHF High-expandable handheld terminal VH-H85

Product Introduction：

- **Industry-leading flagship octa-core CPU runs at extreme speed, with a main frequency of 2.0GHz：**

  High-speed octa-core CPU, based on TSMC's leading 12nm process technology, has advanced functions and excellent performance experience, and runs various applications at high speed.

- **A new generation of self-developed high-performance four-wall helical antenna:**

  Based on the E710 high-performance module and equipped with a self-developed four-tube helical antenna, it has excellent RFID long-distance reading performance. The reading distance in an open outdoor environment can be up to 20 meters, which exceeds the current industry level by more than 40%.

- **Excellent RFID reading and writing performance and multi-tag inventory capabilities:**

  Supports multi-tag reading, with a multi-tag reading rate of 200 Tag/s, and 2000 tags can be read in about 10 seconds (tested using Impinj H47 tag, actual reading may be affected by tags and environment)

- **7200mAh large-capacity polymer lithium battery, long-lasting battery life:**

  It has a built-in 7200mAh large-capacity polymer lithium battery and is equipped with CorePilot4.0 power-saving technology, low power consumption, and can work for more than 14 hours on a single full charge.

- **Excellent protection performance and high reliability:**

IP65 high-level protection can effectively resist domestic water and dust, and the six sides can withstand a natural fall of 1.5 meters, providing more possibilities for harsh working environments.

Warehouse Management   Express Logistics   Smart Ticket Check

Specifications:

Purchase code (product model)	VH-H85
Performance Parameters	
Processor	High-speed octa-core 64-bit 2.0GHz
Battery	3.8V, 7200mAh integrated lithium-free battery, removable
Dimensions	168*76*28±2mm 5.5' IPS high-definition screen (resolution 1440*720)
Interface	Type-C data interface
System	Android 10.0
Storage	2GB RAM+16GB ROM (standard) 4GB RAM+64GB ROM (optional)
Expansion card slot	1 SIM card slot, supports dual SIM dual standby (optional) 1 SD card slot, 1 PSAM card slot (optional)
Protection	Host IP65 protection grade standard
Expansion	Support 256GB MICRO SD card
Wireless communication	4G full network access, 2.4G/5G dual-band wifi, Bluetooth4.2
Navigation positioning	GPS (AGPS)/Beidou/GLONASS, error ±5M
Weight	GPS (AGPS)/Beidou/GLONASS, error ±5M

NFC (optional)	Frequency 13.56MHz Reading and writing distance 3-5CM
Camera (optional)	Front 500W pixels, rear 1300W, auto focus, with flash
Barcode collection (optional)	Professional scanning head, supports 2D barcode Newland NLS CM60/other

Work Environment	
Control temperature	-20℃~-50℃
Storage temperature	-20℃~-70℃

RFID	
RFID-LF (optional)	125K/134.2K animal ear tag
RFID-HF (optional)	Supported frequency: 13.56MHz Reading distance: 0-7cm (depending on the tag and environment) Supported frequencies: 915MHz, 865MHZ
RFID-UHF (optional)	Reading distance: 0-20 meters (depending on the tag and environment)

Customized expansion (optional)
433MHz, infrared temperature measurement, vibration measurement, precise positioning and other modules

Product size：