UHF Handheld

Middle range reader

VH-C77

Product Features:

VH-C77 is a portable intelligent handheld terminal with built-in UHF. Equipped with a new eight-core CPU, the overall performance of the machine is improved, and it runs fast and stably. Based on Impinj E310 module and supporting Impinj Gen2X, it has excellent UHF RFID reading and writing functions, sensitive reading, accurate and fast, with a reading range of up to 4 meters. It can also be equipped with high-performance barcode and other functions. It is widely used in various industries such as retail, logistics, warehousing, medical care, finance, transportation, etc., helping users to significantly improve work efficiency.

Features:

Lightweight integrated portab…gn Android 13/11 operating system

Octa-core 2.3GHz high-perfor…e CPU 5000mAh large-capacity battery

I….8m drop resistance

Product features:

RFID Adopt Impinj E310 chip and support Impinj Gen2X, with outstanding UHF performance

Supports optional barcode, NFC and other rich functions

Specifications:

Purchase code (product model)	VH-C77
Physical parameters	
Machine size	164.2X78.8X17.5mm
Machine weight	＜321g (depending on module configuration)
Display	5.2 inches, IPS LTPS 1920X1080 resolution
Touch screen	Corning Gorilla Glass, supports multi-touch, supports gloves or wet hands operation
Battery capacity	Rechargeable lithium polymer battery 5000 mAh Standby time>350 hours Working time>12 hours (depending on usage and network environment) Charging time 3-4 hours (using the standard power adapter and data cable
Extension plug-in	2 slots, 1 Nano SIM card slot, the other one Nano SLM or TF card slot
Communication interface	USB 2.0 Type-C, OTG, support Type-C headset
Audio	2 microphones, 1 for noise cancellation, on the back; 1 speaker; earpiece
keyboard	4 main keyboard keys, 1 power key, 2 scanner keys, 1 multi-function key
sensor	Light sensor, distance sensor, gravity sensor
notify	Sound, LED indicator, vibration
Performance parameters	
CPU	Octa-core 2.3GHz
RAM-ROM	3GB+32GB/4GB+64GB/6GB+128GB
Expanded Memory	MicroSD (TF) card can be expanded up to 256GB
Development Environment	
operating system	Android 11/13
SDK	Terminal Software Development Kit
Developing Voice	Java

Development Tools	Eclipse / Android Studio

Usage Environment

Operating temperature	-20°C to 50°C
Storage environment	-40°C to 70°C
Ambient humidity	5%RH-95%RH(no condensation)
Drop test	Within the operating temperature range, all six sides can withstand multiple drops from a height of 1.8 meters to the concrete floor
Rolling test	Rolling continuously for 1000 times 0.5 meters, 6 contact surfaces still run stably after rolling, meeting IEC rolling specifications
Protection level	IP67, meets IEC sealing standards
Electrostatic Discharge	±15KV air discharge, ±6KV contact discharge

NFC (optional)

Operating frequency	13.56MHz
Protocol Standards	ISO14443A/B, ISO15693, NFC-IP1, NFC-IP2, etc.
Labeling standards	M1 card (S50, S70), CPU card, NFC tag, etc.
Reading and writing distance	2-4cm

Camera

Rear camera	13-megapixel color camera with auto focus and flash
Front camera (optional)	5-megapixel color camera

Data Communication

WLAN	Support IEEE802.11 a/b/g/n/ac protocol (2.4G/5G dual-band); built-in antenna
WWAN	2G:GSM850/GSM900/DCS1800/PCS1900 3G:WCDMA: B1/B2/B4/B5/B8 CDMA2000 EVDO: BCO TD-SCDMA:A/F 4G:B1/B2/B3/B4/B5/B7/B8/B12/B17/B20/B28AB28B/B34/B38/B39/B40/B41
Bluetooth	Bluetooth 5.0
GNSS	Integrated GPS, Beidou, GLONASS, built-in antenna, support AGPS

RFID UHF (optional)

engine	Based on Impinj E310 chip
China Frequency	920-925MHz
US Frequency	902-928MHz
European Frequency	865-868MHZ (ETSI EN 302 208)
Other frequencies	Other multinational frequency standards (customizable)
Impinj Gen2X	support
Protocol Standards	EPC C1 GEN2/ISO18000-6C
Antenna parameters	Circular polarization antenna (1.5dBi)
power	1 W (support +5dBm~+30dBm adjustment)
Max card reading distance	3m (Impinj MR6 tag, size 70 x15mm) 3m (Impinj M750 tag, size 70 x15mm) 4m (Alien H3 anti-metal tag, size 130 x42mm)
Note	*The above card reading distance is measured in an open outdoor low-interference environment, and the group reading rate is measured in a laboratory low-interference environment. The actual use is related to the environment and tags.

Barcode collection

1D Scan Engine	Honeywell N4313
2D Scanning Engine	Zebra:SE4710/SE4750SR/SE4750MR/SE4750DP;Honeywell: N6603;CM60: CB300
Support one-dimensional barcode types	UPC/EAN, Code128,Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar MSI.RSS, etc.)
Support 2D barcode types	PDF417, MicroPDF417, Composite, RSS, TLC-39, Data matrix, QR code, Micro QR code, Aztec, Maxi Code; Postal Codes: US Post Net, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal (KIX), etc.
Note	*This function is optional