

# Bluetooth UHF RFID

## Handheld Read

### VH-75/75T



### Introduction:

- Based on independent intellectual property rights development, design patents, UHF Bluetooth communication handsets;
- Excellent UHF reading and writing performance, adapt to the global frequency;
- Multiple indications of working status, multi-color LED indicator, buzzer, vibration motor to meet various working environments;
- Flexible wireless Bluetooth communication, hand-held reader can be easily used online with smart terminals (smartphones, tablets, etc.);
- Software integration is fast and efficient, providing SDK development files based on Android and Apple iOS system platforms;

### Features:

- UHF reading distance 2~2.5 meters (test tag: Impinj E41b) ;
- Online use of Bluetooth communication with existing PDAs, smartphones, tablets, etc. reduces the cost of repeated purchases;
- Support ISO-18000-6B, ISO-18000-6C (EPC G2) protocol tag reading and writing;
- Easily confirm the reading tag while confirming and viewing on the PDA screen;
- Low cost, more cost-saving than PDA integrated handheld reader;

### Application:

- Department Store Commercial Retail (Apparel, Footwear, Jewelry and etc.)
- Assets management and inventory
- Warehouse logistics management
- Anti-counterfeiting traceability

## Parameters:

Model No.	VH-75/VH-75T
UHF RFID Parameter	
RF module	VANCH VM-5GA
Frequency	902~928MHz,865~868MHz
Built-in Antenna	2dbi circular polarization ceramic antenna
Protocol	EPCglobal UHF Class 1 Gen 2 / ISO 18000-6C
Output power	18~26dBm adjustable $\pm 1$ dBm
R/W distance(VH-75)	Read distance 2~2.5m, write distance>20cm (test tag: Impinj E41b)
R/W distance(VH-75T)	Read distance >5m, write distance>20cm (test tag: Impinj E41b)
Multi-tag reading speed	>50 tags/s (peak value)
Support areas	U.S., Canada, and other regions that comply with U.S. FCC Part 15 regulations Europe and other regions that comply with ETSI EN 302 308 China, India, Japan, South Korea, Malaysia, Taiwan
Electrical Parameter	
CPU control chip	ARM (STM32F103)
Tag ID storage	128MB(NandFlash)
USB interface type	Micro-B, USB2.0
Wireless communication	Bluetooth 4.0
Communication rate	9600~115200bps,
Reliable firmware upgrade	Scalable upgrade mechanism
Application software interface	Provide API development kits and application routines based on Android and Apple iOS system platforms

Tag reading indicator	Vibration motor、Buzzer、LED
Standby time	150 hours

Battery Rechargeable lithium battery (3.7V,4000mAH)

### Environment Parameter

Humidity	5%RH ~95%RH(non-condensing)
Protection level	IEC IP64
Operating temperature	-20°C~ +60°C
Storage temperature	-25°C~+70°C
Earthquake resistant height	1.2m/6.56ft

### Physical Parameter

Size	180(L)*65 (W)*65(H)mm
Net Weight	250g (Including battery)
Shell Material	ABS+PC

### Accessories

Battery



Charging/Data Cable



Lanyard



## Product image:



VH-75



VH-75T