

RoyalRay RFID HF Handheld Reader



GENERAL DESCRIPTION

RoyalRay HF handheld reader RRH9187A is the 6th generation product developed by our company. It can read/write the electronic labels on the tags, which complies with HF ISO15693, ISO14443A, ISO14443B standards. This handheld reader can be widely applied to data collection systems, such as Clothing Field, FMCG (fast-moving consumer goods), Retailing, Supply Chain, Logistics Industry (includes Storage, Express, Less-than-Truck-Load Transport and so on.), Medical Service, Electronic Government Affairs Management, Mobile Officing, Fixed Assets Physical Count, Vehicle Access Control Management, Personnel Access Control Management, Electronic Anti-counterfeiting, Logistics Supervise, Auto-production Management, etc.

FEATURES:

- Support HF13.56Mhz frequency RFID tag;
- Support Wi-Fi, Communicate with LAN by wireless network;
- Support GPRS / GSM, outdoor user can keep in touch with Headquarters at any time;
- Support Bluetooth, convenient for data transmission;
- Support Long Range One-dimensional Laser Barcode Scanner;
- Handwrite input, support signature capture function;
- Support increasing Camera Module, GPS Module configuration;
- Support Chinese / English Hand Input;
- Industry IP54 Hardware design and can be used in Harsh environment;
- Open Design, provide DLL and Demonstration Software Source Code to further development;
- Slimmer size, Handless and Durability, Good Performance and Cost-effective.

Specification

Under T_A=25°C unless specified.

ITEM	TYP	REMARK
Operation System	Microsoft Windows CE 5.0	
Processor	SAMSUNG S3C2451 (533MHz)	
Memory	ROM128MB, RAM 128MB SDRAM	expandable by SD card slot with maximum capacity to 16GB
Screen	3.5 inch QVGA (240*320pixel) color	Transflective TFT-LCD with LED backlight
Keypad	28 digital backlight keypad	soft keys, support handwriting input
Standard Battery	3.7V 2800mAh Li-ion Battery	Inside backup battery: 17mAh
Standard Communication	USB1.1, RS232	
Wi-Fi	IEEE802.11b/g, 11Mb/s~54Mb/s Bluetooth V2.1+EDR	Built-in
GSM/GPRS communication	900/1800/1900MHz	
Audio	built-in speaker	Mini earphone slot (2.5mm Stereo)
Information collection	RFID, Barcode Scanner, Input board, Stylus	
Size	HxWxD: 150x70x25 (mm)	
Weight	200g	with one standard battery
Support RFID Protocol	HF: ISO15693, ISO14443TypeA&TypeB	
RFID Reading Distance	ISO15693: 0~100mm ISO14443A: 0~80mm ISO14443B: 0~50mm	Reading distance depends on protocol, antenna, tag and working environment.
Barcode Scan/Decode Speed	100 times/s	Barcode Recognition Angle: 54° Effective Read Angle: 44°
Support Barcode type	China Post code, Code 39, Code 93, Code 128, EAN-8, EAN-13, UPC, Cross 25 code, etc.	
Certification	CCC, CE	Passed China Compulsory 3C Certification and had MII SRRC.