UHF RFID Handheld Reader

H105

Characteristic

- Support 1D & 2D scanning

- Using Impinj E710 chip solution

- Reliable structural design, long service life, durable and resistant to fall

- Terminals and readers can realize data transmission via Bluetooth or USB interface

- Provide dynamic link library (DLL) and demonstration software source code to support

  secondary development

- Applications: clothing inventory, warehouse inventory,asset management & inspection,etc.

Product Specifications

RFID Technical Parameters	
Frequency	840～960MHz（Optional)
Protocol	ISO18000-6C (standard EPC C1G2) Optional: GB29768, GJB7377.1
Chip	IMPINJ E710
Output Power	0-33dbm(Adjustable)
Reading Speed	>1100 label/s
Reading Range	0~18m(Related to tags and working environment)
Antenna	4.5dbi
Function	Read/Write

Environmental parameters	
Operating temperature	-20 ～ +60℃
Storage temperature	-40 ～ +70℃
Humidity	5%RH～95%RH (No condensation)
Shockproof height after falling to the ground	Can withstand multiple drops from a height of 1.2 meters onto a smooth concrete floor
Protection level	IP67 IEC sealing standard
Electrostatic protection	Air discharge ±10KV, contact discharge ±6KV

Development Environment	
Operating system	Android 12.0/Android 15.0
Scroll	Rolling continuously for 1000 times at 0.5m, 6 surfaces in contact still running stably
Processor	Octa-core Cortex-A53, 2.0 GHz

Data Communication	
Wireless WAN	4G full network access, backward compatible with 3G, 2G
Bluetooth	Bluetooth 2.1+EDR/3.0+HS/4.1+HS+5.0
WIFI	WIFI frequency: 2.4GHz & 5GHz dual-band WIFI supports roaming Protocol: 802.11 a/b/g/n/ac protocol
GPS	High-precision GPS, supporting A-GPS, Beidou, GLONASS, Galileo

Physical parameters	
Size	178mmx83mm×17mm
Weight	641g
Display	6-inch HD (720×1440)
Touchscreen	Support multi-touch, glove touch, multi-touch, water operation and passive pen signature
Main battery	3.7V 11550mAh
Charging time	Less than 3 hours
Audio	Speaker, microphone, receiver
Button	Volume +, - keys, power key, 2 scan keys, handle trigger key
Camera	Front camera 5 megapixels, rear camera 13 megapixels, flash support
Sensor	Distance, light sensitivity, gravity, vibration motor, geomagnetism, gyroscope
Scanning	Professional scanning head, supports scanning mainstream one-dimensional and two-dimensional codes, supports screen scanning
Card slot type	Micro SIM*1, PSAM×2 (optional), TF card can support up to 128GB expansion
Vibration	Random (10 Hz to 30KHz); 60 minutes per axis, 3 axes

Memory	RAM：4GB，ROM：64GB
	RAM：8GB，ROM：128GB(Optional)
Expanded Memory	Micro SD card, up to 128GB

Camera	
Rear camera	1300W
Front camera	500W
Focusing method	Autofocus, touch selection, face detection
Flash	Support flashlight function
Video Recording	1080p front and rear camera video recording

Scanning head	
Scanning head module	Laser 2D/1D
Rotate view	360°
Up and down tilt viewing angle	±45°
Left and right offset viewing angle	±60°
Laser Type	Class Ⅱ
One-dimensional code type	UPC/EAN,Bookland EAN,UCC Coupon Code,ISSN EAN, Code128,GS1-128,ISBT 128, Code 39,Trioptic Code 39, Code 32, Code 93, Code 11, Interleaved 2 of 5,Discrete 2 of 5,Codabar,MSI,Chinese 2 of 5,Korean 3 of 5,Matrix 2 of 5,Inverse 1D,GS1 DataBar,Com- posite Codes etc
QR code type	PDF417, MicroPDF417, Data Matrix, Data Matrix Inverse, Maxicode, QR Code,MicroQR,QR inverse,Aztec,Aztec Inverse, Postal Codes: US Postnet, US Planet,UK Postal, Australian Postal,Japan Postal, Netherlands KIX Code,USPS 4CB/One/Intelligent Mail,UPS FICS Pstal etc

GPS	
Position	Positional parameters
Support Mode	Support GPS、A-GPS、北斗、GLONASS、Galileo
Frequency	GPS（L1 1.575GHz C/A code），Beidou（B1 1.561GHz），GLONASS(L1 1.602GHz)，Galileo (E1 1.589 GHz / E2 1.561 GHz)
Cold start time	Less than 40s
Maximum number of channels	31channel
Sensitivity	-130dB(SNR value 40dBHz)
Accuracy	5-10 meters (open space)

Wireless communication function	
Wifi	Wireless LAN
协议	IEEE 802.11a/b/g/n/ac protocol (2.4G/5G dual-band WIFI)
Frequency range	2.4G、5G
Working channel	CH1~CH13, CH34-CH140, CH149~CH165 (depending on the country (region))
Security	wep wpa/wpa2 psk 802.1xeap
Roaming	Support 802.11r seamless roaming

Bluetooth	
Standard	Bluetooth parameters
Support Mode	BT2.1+EDR/3.0+HS/4.1+HS+5.0
Connection distance	5~10 meters

Wireless WAN		
Wireless WAN	WAN communication parameters	
Communication Mode	Dual SIM Dual Standby	
Frequency band	4G band	TB1/3/4/5/7/8/12/20/38/39/40/41
	3G band	W1/2/5/8
	2G band	G850/900/1800/1900

Development support	
Development support	Parameter
Operating system	Android 12.0/Android 15
Support development environment	Eclipse, Android Studio
System Feature Tools	System feature settings, scan head settings, GMS

Optional accessories	
Accessories	Accessory Type
Accessories	Charger (supports charging 1 device + 1 battery), PSAM, tempered glass

Details display

1D barcode	2D barcode	RFID	4G
WiFi	Bluetooth	GPS	Camera

Type-C charging port

Scan button

User Key

Details display

Front camera

Scan button

Power switch

Barcode scanning

RFID scanning

RFID
Reading button

Product accessories

Charger   USB line   Battery

Packing size

重：1kg

215mm
105mm
197mm

Related Products

Image			
Model	CF-H906	H105	H103
Reading Distance	0~18m	0~18m	0~12m
1D&2D	Standard	Standard	Optional
Power	0-33dbm（Adjustable）	0-33dbm（Adjustable）	0-33dbm（Adjustable）
Size	143.3*169*90.5mm	178mmx83mm×17mm	155(H)*78(W)*133(L)mm