AiHardWare

AI-BS-WS901-UHF RFID Scanner

Introduction

AI-BS-WS901-UHF with professional high-performance image scan engine and UHF RFID reader, and take 2.4GHz and Bluetooth wireless technology, with 2.4GHz data receiver. It designed for retail, logistics, manufacturing, healthcare, warehouse, etc.

Healthcare	Logistics	Manufacturing	Retailing

Features

- **Ultra-long Distance Data Transmission**

100m(2.4G) and 30m(Bluetooth) long distance data transmission, supports automatic frequency modulation and inventory mode, and has large memory to save data information.

- **Highly Accurate and Fast Scanning**

High performance UHF RFID and barcode scanning   module, easily decode and read UHF RFID tag and all common 1D and 2D symbologies.

- **Powerful Endurance Ability**

5000mAh rechargeable polymer lithium battery, make device could continuously work for more   than 30 hours with the fully charged.

- **Super Easy Operation and Compatibility**

Compatible with multiple language and keyboard layout, work well with Android, Linux, Mac, Windows and other operating system.

- **Industrial Durability and Sealing Performance**

IP54 industrial sealing grade, and bear the height of 1.5m dropping and ground impact.

Barcode / RFlD Hardware Solution Specialist

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Parameter

Performance Parameters	
Image sensor	CMOS
Resolution	640x480 pixels
Decode capability	1D: UPC/EAN, UPC/EAN, ISBN/ISSN, UCC, Code 128, Code 39, Code 39 (Full ASCII), code 32, Interleaved 2of 5, Matrix 2 of 5, Discrete 2 of 5, Codabar,MSI/Plessey, Chinese 2 of 5, China Postal Code, GS1 DataBar, etc. 2D: PDF417, Micro PDF417, Data Matrix, QR, Micro QR, Aztec, etc. UHF RFID: EPC global UHF Class 1 Gen 2/ISO 18000-6C
Scan Angle	±360°, ±60°, ±60° (Roll, Skew, Pitch)
Scan precision	≥4mil
Print contrast	20%
Prompt mode	Buzzer, LED indicator light
Interface	USB, USB-COM
Trigger mode	Manual, Continuous automatic scan and auto sensing scanning (optional)
Memory	Save over 20,000 commodity barcode (EAN-13)
Battery	5000mAh (charging time is 8h)
Current and voltage	220mA (Barcode), 260mA(UHF RFID); 5 VDC ±10%
Work frequency	2.4GHz, 902Mhz-928MHz ，865MHz-868MHz(Optional)
Data communication distance	100m(2.4GHz) and 30m(Bluetooth) (open area)
Setting method	Scan configuration barcode
Physical Parameters	
Over dimension	L X W X H (168.3 x 66 x 87.7mm}
Weight	244g
Material	ABS+PC environmentally friendly materials
Environmental Parameters	
Working temperature	-20°C to 50°C
Storage temperature	-40°C to 60°C
Anti-drop	Withstand drop from 1.5m to concrete floor
Humidity	5% to 95% RH
IP grade	IP54
Circumstance luminance	0-100,000Lux