

AI-BS-PS501 Barcode Scanner



Introduction

AI-BS-PS501 adopts professional 2D scan engine in combination with 2.4GHz and Bluetooth wireless data communication technology, supporting stable and reliable long distance of data communication. It has flash memory to save data information when device doesn't connect with other terminal device or it out of data transmission range. It is suitable for Retail, logistics manufacturing, healthcare industry, warehouse and other application scenarios.



Healthcare



Logistics



Manufacturing



Retailing

Features

- **Powerful Endurance Ability**

1200mAh rechargeable polymer lithium battery, make device could continuously work (1 scanning/s) for more than 10 hours with the fully charged. Take durable 4pin Pogopin Magnetic Charging Port.

- **Two Wireless Modes Switching**

2.4GHz wireless technology and Bluetooth connection, take BT connection if the connected device without USB interface, such as smart phone, ipad, PDA, POS and other devices.

- **Convenient and Comfortable Operation**

Easy compatible with multiple language, keyboard layout and operating system. Portable and ergonomics design, users could put it in pocket, improving work efficiency and also convenient for long hours of usage.

- **Ultra-long Distance Transmission**

2.4GHz (150 meters) and Bluetooth (30 meters) long distance data transmission, supports automatic frequency modulation and inventory mode.

- **Industrial Grade Durability**

IP54 industrial grade, and bear the height of 1.8m dropping and ground impact.

Parameter

Performance Parameters	
Image sensor	COMS
Resolution	1280x800 pixels
CPU	ARM 32 bit
Decode capability	1D: UPC/EAN, UPC/EAN with supplements, ISBN/ISSN, Code 128, Code 39, Code 39 (Full ASCII), code 32, Interleaved 2 of 5, Matrix 2 of 5, Codabar, MSI/Plessey, Chinese 2 of 5, China Postal Code, GS1 DataBar, etc. 2D: QR code, PDF417, Data Matrix, Maxicode, Aztec, etc.
Scan Angle	±360°, ±65°, ±60° (Roll, Skew, Pitch)
Scan precision	≥4mil
Print contrast	20%
Depth of field	20-500mm
Prompt mode	Buzzer, LED indicator light
Trigger mode	Manual, Continuous automatic scan
Memory	350KB(Store over 20,000 barcode data)
Battery	1200mAh (charging time is 3.5h)
Current	60mA (standby), 190mA (working)
Work frequency	2.4GHz
Data communication distance	150m (2.4GHz), 30m (Bluetooth) (open area)
Physical Parameters	
Over dimension	L X W X H (130.9x45.4x33.3mm)
Weight	88g (include battery and exclude wire)
Charging cable length	1.0m
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 1.8m to concrete floor
Humidity	5% to 95% RH
IP grade	IP54
Circumstance luminance	0-100,000Lux