MB700i

Portable 2D Wireless Pocket Barcode Scanner

MB700i is a stylish high-performance portable 2D barcode scanner, equipped with a 300,000-pixel global exposure camera, with excellent reading performance, it can easily read bar codes on different media such as paper, commodity, screen and so on. The product uses enhanced wireless 2.4G transmission technology, the effective distance of outdoor open environment can reach more than 60 meters, can support wired and wireless Bluetooth transmission mode at the same time. It can be mainly used in mobile phone payment, commodity barcode scanning, inventory and so on.

Product Features

◎ It is anti–drop and anti–vibration with highly integrated two–dimensional decoding structure.

◎ It uses a high–performance MCU to easily identify all the mainstream 1D and 2D bar codes in the market.

◎ It has a 300K global exposure camera, automatic exposure, suitable for complex environments.

◎ It can easily read more than 3mil bar codes to meet the needs of daily scanning.

◎ Its two–dimensional image technology, paper, printing, plastic, screen bar code can be easily read.

◎ It has enhanced wireless 2.4G transmission technology, reliable outdoor open transmission distance of more than 60 meters, while supporting wired transmission without switching.

◎ It supports Bluetooth 4.2 technology, reliable outdoor open transmission distance of up to 30 meters, support computer connection plug and play.

◎ It supports multiple working modes (storage mode, synchronization mode) to meet different reading requirements.

◎ It supports Bluetooth HID, SPP, BLE modes and is suitable for a variety of work requirements.

◎ It supports virtual Bluetooth mode, plug and play when connected to a computer, no need to install Bluetooth driver.

◎ It supports synchronous mode scan and transfer, and supports storage mode with large capacity to store more than 15,000 commodity codes.

◎ It supports online upgrade, custom development and secondary development.

◎ It has a vibration prompt, clear feedback of scanning code, support time display.

Application

Mobile payment, card, chain retail, express supermarket, production and manufacturing, warehousing and logistics, warehouse management, food traceability, power meter reading, asset inventory, medical and health.

| warehousing and logistics | Convenience Store | Department Store | Mobile payment |

Technical Parameters

Performance

Communication Mode	USB–KBW、2.4G、Bluetooth
Sensor	CMOS global shutter
Pixel	300,000, 640*480
Reading Precision	≥3mil/0.076mm（PCS90%,CODE 39）
Depth of Field	25mm~480mm（Different bar code range）
Decoding Speed	65CM/S
Scanning Mode	Trigger, Induction, Continuous
Prompt Mode	LED, Buzzer, Vibrator
Field Angle	41°＊31°
Reading Angle	Roll: ±360°、Pitch:±60°、Skew: ±55°
	Test Conditions：CODE39,10mil/0.25mm,PCS90%
Print Contrast	≥20%
Ambient Illumination	Dark Environment，Indoor Natural Light
Code System	1D: UPC–A, UPC–E, EAN–8, EAN–13, Code 128, GS1–128, Code 39, Code 32, Code 93, Code 11, Interleaved 2 of 5, Matrix 2 of 5, Industrial 2 of 5(Straight 2 of 5), Standard 2 of 5（IATA 2 of 5）,Codabar（NW–7）, MSI, GS1 Databar(Omnidirectional, Limited, Expanded), China Post, Tepepen, Febraban, GS1 Composite etc. 2D: QR Code, Micro QR Code, Data Matrix, PDF417, Micro PDF 417, MaxiCode, Aztec, HanXin Code, etc.

Wireless Parameters

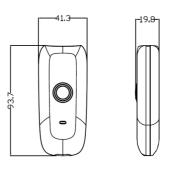|	
Wireless Communication Mode	Instant mode, storage mode
Method of Communication	2.4G、Bluetooth (HID、SPP、 BLE)
Wireless Standard	2.4GHZ(ISM frequency band), Bluetooth 4.2
Transmit Distance	≥60meters 2.4G; 30meters Bluetooth(Open distance)
Storage Capacity	224Kb(over 15,000 Product code)
Battery Capacity	450mAh
Charging Time	About 2 hours(5V@1000mA)
Continuous Scan Time	2hours(Continuous)
Standby Time	≥4 weeks
Support system	Windows, Mac OS, IOS, Linux, Unix, Android

Working Environment

Working Temperature	0℃ to 50℃
Storage Temperature	–20℃ to 60℃
Working Humidity	5% to 95%（Non–Condensing）
Transportation Vibration Test	10H@125RPM

Mechanical/Electrical Parameters

Product Weight	70g（Scanner）
Appearance	L93.7mm * W41.3mm * H19.8mm
Wire Length	1.0 meters
Interface Type	Type C
Power Input	DC 5V 1A
Current	120mA（Work）

Depth of Field

Barcode Type	Barcode Density	Minimum	Maximum
Code 39	0.1mm(4mil)	35mm	110mm
Code 39	0.25mm(10mil)	35mm	240mm
Code 39	1mm(40mil)	140mm	480mm
UPC/EAN	0.33mm(13mil)	45mm	300mm
QR Code	20.0mil	25mm	250mm
Data Matrix	10mil	35mm	100mm
PDF 417	6.8mil	35mm	140mm

Spare Part List

Cable	It is used for connecting Scanner and Host to communicate and charge.
Wireless Eceiver	It is used for charge and communication.
Operating Guide	It is used for general settings.

Structure Dimension

**Testing Conditions: Environment Temperature = 24℃, Ambient Light Illumination = 300LUX;
  Testing Barcodes Will Be Provided By Our Company**
Notice: There will be no announcement if changing parameters

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V2

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