MS822B

2.4G Wireless 2D Imager Scanner

100M operation range | IP52 and 1.5m drop | Up to 40 hours operation time

Utilizing a megapixel 2D barcode scanning engine and the freedom of wireless technology, the MS822B offers highly accurate performance and affordable price for the demands of a wide range of market applications, such as point-of-sale, loyalty, coupons checking, personal data identification, inventory control, and field service sectors.

2.4G Wireless Technology

The MS822B wireless 2D scanner combines superior 1D and 2D barcode scanning with the freedom of wireless technology. The MS822B supports a 2.4G USB cradle receiver and wireless connection modes, it allows users to transmit data to the host up to 100 meters from the base.

Simple and Easy Pairing

It is compatible with any smartphone, tablet, or computer–the MS822B pairs easily with any mobile devices or PCs. This MS822B wireless barcode scanner has the ability to switch trigger mode automatically. When it is out of range reading in auto mode, all scanned barcode data will be stored into the memory storage and transmitted to the host automatically when back to the wireless coverage. It gives mobility and flexibility for inventory control in retail and warehousing solutions.

Long-Lasting Battery for All Day

With a long-lasting 2600 mAh removable battery, the MS822B can continue to capture barcodes for 40 hours, supporting all-day operation and featuring an easy battery-replaced design while reducing the total cost of ownership.

Compact but Durable

While sustaining a 1.5-meter drop to concrete, MS822B incorporated with IP52 rugged design for protection against dust and moisture. Moreover, the built-in long lifecycle trigger of 1,000,000 times guarantees continuous productivity for the best reliability.

Features

- Support most 1D / 2D barcodes on mobile screens: up to 4 mil resolutions
- Support 2.4G wireless technology
- 2.4G wireless transmission range up to 100m in the line of open sight.
- Up to 40 hours operation time per a fully charged battery
- Rugged design: IP52 and 1.5 mdrop spec
- Offline inventory with 4 MB Memory flash

MS822B
Specifications

Optical & Performance

Sensor	CMOS Sensor, 1280 x 800 pixels
Aiming Element	Aiming : 625 nm LED
Illumination	Color temperature 6000-6500 k
Ambient Light	0-100,000lux
Scan Rate	60fps/s
Skew Angle	±65°
Pitch Angle Sensor	±65°
Roll Angle	360°
Memory	4 MB
Optical Resolution	3mil（code 39） 3mil（EAN13）
Depth of Field	13 mil EAN13 Near 50 mm Far 510 mm

Communication

Radio	2.4G Wireless
	Bluetooth V4.2 Class 2
Wireless Coverage	2.4G: 100M(line of sight)
	Bluetooth: 10M
Interface/ Profile	2.4G: USB
	Bluetooth: HID, BLE ,SPP
Host Interface supported	USB Type C

Mechanical

Dimension	161mm × 72mm × 96.5mm (L x W x H)
Weight	180g
Trigger Switch Life	1,000,000 time
Cradle Dimension	106mm x 80.5mm X 70mm (L x W x H)

Functionality

Operation Mode	Trigger Mode, Buffer Mode,Presentation Mode

Regulatory Approvals

CE, FCC, BSMI, VCCI, NCC, TELEC, IC, UKCA

Symbologies

1D	Codabar, Code11, Code39, Code32, Interleaved 2 of 5, Industrial 2 of 5, Matrix 2 of 5, Code93, Code128, GS1-128, UPC-A, UPC-E, EAN 8, EAN 13, GS1 DataBar(RSS14), GS1 DataBar Limited, GS1 DataBar Expanded
2D	PDF417, Micro PDF417, QR Code, Micro QR, Data Matrix, Aztec Code
Data Formatting	Prefix, Suffix, Code ID

Electrical

Operation Voltage	DC 5V
Current Consumption	Operation mode：＜290mA
	Standby mode：＜55mA
Indicator	Buzzer LED light
Battery Type	Lithium-ion
Battery Capacity	2600mAh 18650 battery
Battery Charging time	Fully charged in 6 hours
Operating Time	Over 40 hours

Environmental

ESD Protection	Functional after 4K Contact and 8K Air
Mechanical Shock	1.5m onto concrete (scanner only)
Operating Temperature	-10°C to 50°C
Storage Temperature	-20°C to 60°C
Relative Humidity	5% to 95% non-condensing
IP Rating	IP52

Package Contents

The standard package:
MS822B scanner
Cradle integrated with 2.4G Dongle and cable