



# MS838B

## 2.4G Wireless 2D Imager Scanner

100 M Connection | Keeps data even out of range | 16 hours operation time



Delivering reliable performance and affordable price, the MS838B wireless 2D imager scanner combines superior 1D and 2D barcode scanning with the freedom of wireless technology. The well-integrated mobility design allows users to move around without being restricted, while supporting high comfort over long periods of operation. This cost-effective and reliable handheld scanner provides the optimum combination of performance that makes it an ideal scanning tool for a wide range of market applications, such as point-of-sale, personal data identification and inventory control.

### Move without Restrictions

Design for mobile workers, the MS838B comes with a USB dongle that enables users to capture barcodes with freedom wireless connection. Easy plug-and-play function, the MS838B pairs easily to laptops or PCs without complicated set-up. Besides, it allows users to transmit data to the host from up to 100 meters from the base via 2.4G wireless communication. When it is out of range, the MS838B barcode scanner can store 40,000 EAN codes in memory and upload them to your devices at your own convenience. It allows associates to capture barcodes from the checkout counter or checking your store's inventory in the retail store without restrictions.

### Reliable 2D Scanning Performance

Quickly and accurate capturing most 1D and 2D barcodes or coupon displayed on the phone, the MS838B helps retail cashier to checkout without any frustration. It delivers great performance up to 60 frames per second. It is suitable to streamline everyday processes in supermarket, retail store and warehouse applications.

### Durable

Furthermore, it has an IP42 rating for dust and water resistance as well as a 1.5 meter drop spec that provides superior durability and reliability. Combining high performance and compact design, M838B gives mobile worker conveniently and safely while on the go.

### Features

- 2.4G wireless transmission range up to 100m in the line of open sight.
- Reads all major 1D and 2D barcodes including printed and digital
- Long battery life up to 16 hours per a fully charged battery
- Plug and play, convenient to use
- Durable, Compact and Long life trigger design
- Rugged design by IP42 and 1.5m drops
- Buffer mode for out-of-range reading
- Instant decoding feedback: LED, Buzzer indicators



# MS838B

## Specifications

### Optical & Performance

Sensor	CMOS Sensor, 640 x 480 pixels
Aiming Element	Red LED
Illumination	White LED
Ambient Light	0-100,000 Lux
Scan Rate	60 fps/s
Skew Angle	±65°
Pitch Angle Sensor	±60°
Roll Angle	360°
Memory	2MB
Optical Resolution	≥ 3mil (code 39)
Depth of Field	13 mil EAN13 Near 60 mm Far 310 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	174mm x 72mm x 96mm (L x W x H)
Weight	200g

### Functionality

Operation Mode	Trigger Mode, Buffer Mode
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### Regulatory Approvals

CE, FCC, BSMI, VCCI

### 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, etc
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: <250mA Standby mode: <48mA
Indicator	Buzzer LED light
Battery Type	Lithium-ion
Battery Capacity	2600mAh 18650 battery
Battery Charging time	Fully charged in 5 hours
Operating Time	Over 16 hours

### Environmental

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	IP42

### Package Contents

MS838B scanner  
2.4G Dongle  
USB Type C Charging Cable



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