



MS842RB

BT 2D Barcode Scanner

Combining mobility wireless BT design and durability at an affordable price, MS842RB barcode reader is ideal for a wide range of applications and industry sectors.

Best-in-class performance

MS842RB is a wireless BT scanner designed to meet the majority of the scanning needs at an affordable price and low total cost of ownership. Incorporating a high-speed decoder and high-performance engine, the MS842RB ensures read reliability for mobile phone screens and paper in any orientation. Design for a wide range of demanding scanning applications (inventory management, ticket management, access verification, etc.), the scanner supports all 1D and 2D barcodes and boasts impressive features such as broad illumination range, high frame rate, and wide skew and pitch angles, all of which combine to deliver a high level of efficiency.

Designed to last

Featuring a rugged design, the MS842RB scanner is rated IP42 for environmental protection and has a high 1.8m drop specification, making the scanner very durable. A trigger switch designed for 10 million times of use ensures the MS842RB delivers productive use for a long period of time. Ease of use is further enhanced by the scanner's low weight of just 206g, which makes the scanner easy to use and carry around.

Wireless Ergonomic Design

With upgraded features that MS842RB offers a long range scanning capability up to 100m to improve operator efficiency, it can be used in most practical way depending on the scanning task from retail point-of sale to transportation surroundings. Besides, the MS842RB helps to store data in a buffer mode while it is out of range of the wireless signal, and also upload the data when it gets back in range. Beyond its versatility, the desktop charging cradle is provided to store and recharge the scanner, as well as to check the charging status by the power LED indicators. Combine with a comfort grip and ergonomic design, MS842RB is easily for holding and flexible to operate in multiple scan modes – handheld, auto-sense, presentation – make the scanner suitable for use in the most practical way, depending on the scanning task. There is no doubt that MS842RB is one of the most efficient wireless scanning solutions in its class.

Features

- Support all 1D and 2D Barcode reading
- Design for reading barcode on mobile screen
- Rugged and durable design with IP42 and 1.8m drops
- Buffer mode for out-of-range reading

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Specifications



Optical & Performance

Receiving Device	CMOS sensor with 640 x 480 pixel	
Light Source	White LED with CCT 5000K	
Ambient Light	0–100,000 lux (total darkness to bright sunlight)	
Motion Tolerance	Up to 10 cm/s (4 in/s) for 13 mil UPC at optimal focus	
Typical frame rate	30 frames per second	
Skew Angle	±45degrees	
Pitch Angle	±45degrees	
Printing Contrast Scale	35% minimum print contrast ratio	
Reading Distance (DOF PCS=80%)		

SR	near	far
100% U.P.C.	55mm	280mm
Code 39, 5 mil	61mm	130mm
Code 39, 20 mil	60mm	380mm
PDF417, 6.7 mil	60mm	125mm
Data Matrix, 10 mil	60mm	130mm
QR, 20 mil	50mm	230mm

Functionality

Symbologies	Linear: Codabar, Code 11, Code 128, Code 2 of 5, Code 39, Code 93 and 93i, EAN/JAN-13, EAN/JAN 8, IATA Code 2 of 5, Interleaved 2 of 5, Matrix 2 of 5, MSI, GS1 Databar, UPC-A, UPC E, UPC-A/EAN-13 with Extended coupon Code, Coupon GS1 Code 32(PARAF), EAN-UCC Emulation, GS1 Data bar
2D Stacked:	Codablock A, Codablock F, PDF417, MicroPDF417
2D Matrix:	Aztec Code, Data Matrix, MaxiCode, QR Code, Chinese Sensible(Han Xin) code
Postal Codes:	Australian Post, British Post, Canadian Post, China Post, Japanese Post, Korea Post, Netherlands Post, Planet Code, Postnet
Operation Mode	Trigger Mode, Presentation Mode, Buffer Mode



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Mechanical

Scanner Dimension	H176*W74*L89mm
Scanner Weight	206g
Cradle Dimension	H73*W95*L200mm
Cradle Weight	282g

Environmental

ESD Protection	Functional after 8K Contact and 12K Air
Mechanical Shock	1.8M onto concrete
IP rate	IP42
Operating Temperature	0°C to 50°C
Storage Temperature	-30°C to 70°C
Relative Humidity	5% to 90% non-condensing

Communication

Radio Frequency	Unlicensed 2.4GHz,
Protocol	Wireless, SPP & HID profiles
Range	300 feet(line of sight)
Host Interface supported	USB(via Cradle)

Regulation Approvals

CE,FCC,BSMI,VCCI

Accessories

Cradle
Power adapter
Interface cable
Mounting Stand(on the Wall)

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