MS842RP

2D Wireless Barcode Scanner

Combining mobility wireless design and durability at an affordable price, MS842RP barcode reader is ideal for a wide range of applications and industry sectors.

Best-in-class performance

MS842RP is a wireless 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 MS842RP 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 MS842RP 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 MS842RP delivers productive use for a long period of time. Ease of use is further enhanced by the scanner's low weight of just 240g, which makes the scanner easy to use and carry around. In addition to offer a 10M operation range via its USB dongle, the simple plug-and-play design of MS842RP makes the installation much easier without complicated set-up.

Improve Efficiency and Productivity

Besides, the MS842RP 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. Its three operation 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 MS842RP 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
- Mobility wireless design with 10M operation range
- Buffer mode for out-of-range reading
- Regulation approvals : CE / FCC / VCCI / BSMI

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► 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

► Electrical

Operation Voltage	DC 3V to 5V
Current Consumption	Operation mode:80.6mA , Standby mode:14.6mA
Battery Type	Lithium-ion
Battery Capacity	1600mAh charged via the cradle
Battery Charging time	Fully charged in 4 hours
Operating Time	Over 12 hours

► Mechanical

Scanner Dimension	176 x 74 x 89 mm
Scanner Weigh	210g (without cable)
Cradle Dimension	98 x 107 x 45 mm
Switch life	10 million time

► Environmental

ESD Protection	Functional after 8K Contact and 12K Air
Mechanical Shock	1.8m onto concrete (scanner only)
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	10M(line of sight)
Host Interface supported	USB(via Cradle or dongle)

► Regulation Approvals

CE, FCC, BSMI, VCCI

► Accessories

Cradle
Dongle
Battery pack
Power adapter
USB cable

► What comes in the box

The standard package with dongle only:
MS842RP scanner, Power adapter, Dongle, USB extension cable for dongle

The standard package with dongle & cradle:
MS842RP Scanner, Power adapter, Dongle, Cradle connection cable, cradle

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07/19 Rev.D