



# MS852P

## Wireless 2D Imager Scanner

Optimized to read 1D, 2D and OCR Barcode | Plug-and-play with USB dongle | IP42 + 2.1m drop protection

With reliable 2D barcode scanning performance, MS852P can read most 1D/2D barcodes, even when it comes to poorly printed or damaged ones. Special symbology such as OCR code is also supported. With its durable design and quick pairing dongle, MS852P makes users' daily tasks much easier.

### High Level of 2D Barcode Scanning Performance

MS852P can read most 1D/2D barcodes, and supports OCR symbology which can be applied in reading ID numbers on passports. Even when the barcodes are poorly printed or damaged, MS852P is able to read them. From scanning barcodes on test tubes to inventory checking, its reliable 2D scanning performance makes it an ideal tool for the hospital, warehousing, manufacturing and government applications, and help users to optimize overall workflow and enhance working efficiency.

### Move with Flexibility

Comes with a dongle, the easy plug-and-play function of MS852P enables quick pairing with laptop or PCs, and allow users to move freely without restrictions. Besides, it allows users to transmit data to the host from up to 10 meters from the base.

### Durable and User-friendly Design

Combined with a 2.1m drop sustainability onto concrete and IP42 protection, MS852P allows users to work with ease. The replaceable lithium-ion battery which is charged via cradle guarantees 15 hours of operation time. More than that, the built-in long lifecycle trigger key ensures 10 million times of pressing.

### Features

- Reads all major 1D and 2D barcodes on mobile screens, even damaged or poorly printed barcodes
- Rugged design with IP42 and 2.1m drop protection
- Easy plug-and-play function with a dongle
- Long-life and durable trigger design
- Wireless transmission range up to 10m in the line of open sight
- Long battery life up to 15 hours by a fully charged battery





### Optical & Performance

Sensor	CMOS Sensor, 1280 x 800 pixels
Aiming Element	655 nm Laser
Illumination	One (1) Hyper Red 660 nm LED
Skew Angle	± 60°
Pitch Angle Sensor	± 60°
Roll Angle	360°
Optical Resolution	3 mil (code 39), 5 mil (code128), 5 mil (PDF417)
Depth of Field	Symbology/Resolution Near/Far Code 39: 3 mil 7.6 cm to / 14.7 cm Code 128: 5 mil / 5.8 cm to / 24.9 cm PDF417: 5 mil / 7.6 cm to / 20.1 cm PDF 417: 6.67 mil / 6.3 cm to/ 25.7 cm DataMatrix: 10 mil / 5.3 cm to / 27.8 cm UPCA (100%) / 4.1 cm to / 63.2 cm Code 128: 15 mil / 6.1 cm to/ 70.6 cm Code 39: 20 mil / 4.1 cm to / 91.7 cm QR Code: 20 mil / 2.8 cm to / 44.5 cm

### Communication

Radio	Unlicensed 2.4GHz
Wireless Coverage	10M( line of sight)
Interface/ Profile	Wireless,SPP & HID profiles
Host Interface supported	USB(via dongle)

### Mechanical

Dimension	87.8 L x 71.6 W x 177.7 H (mm)
Weight	213g
Trigger Switch Life	10 million times
Cradle Dimension	120.6 L x 88.7 W x 86.0 H (mm)

### Regulatory Approvals

CE, FCC, BSMI, VCCI

### Symbologies

1D	Code 39, Code 128, Code 93, Codebar/NW7, Code 11, MSI, UPC/EAN, I 2 of 5, Korean 3 of 5, GS1 DataBar, Base 32 Italian Pharma)
2D	PDF417, Micro PDF417, Composite Codes, TLC-39, Aztec, DataMatrix, MaxiCode, QR Code, Micro QR, Chinese Sensible (Han Xin), Postal Codes
Data Formatting	Supported OCR Symbologies: OCR-A, OCR-B Prefix, Suffix, Code ID, Reformatting Date

### Electrical

Operation Voltage	DC 3V to 5V
Current Consumption	Operation mode:80.6mA , Standby mode:14.6mA
Indicator	LED & Beeper & Vibrator
Battery Type	Lithium-ion
Battery Capacity	2850 mAh charged via the cradle

### Environmental

ESD Protection	Functional after 8K Contact and 15K Air
Mechanical Shock	2.1 M onto concrete (scanner only)
Operating Temperature	-10°C to 50°C (14°F to 122°F)
Storage Temperature	-40°C to +70°C (-40°F to +158°F)
Relative Humidity	95% non-condensing
IP Rating	IP42

### Accessories

- Dongle
- Battery pack
- USB Cable for cradle
- Power adaptor

### What comes in the box

- |                               |                      |
|-------------------------------|----------------------|
| The standard package contents | Dongle               |
|                               | Battery pack         |
|                               | USB Cable for cradle |
|                               | USB Power adaptor    |



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