



MS920

1D/2D Companion Scanner

The pocket-size MS920 2D imager scanner is the ultimate workhorse companion for any mobile worker. The MS920 wireless barcode scanner reads all types of barcodes and holds hundreds of thousands of scans, putting powerful data collection tools in the palm of your hand.

Memory

Bluetooth Mode

In Bluetooth mode, scan and transmit barcodes in real-time. The MS920 is compatible with all Bluetooth-enabled Android, iOS, and Windows devices. If you ever step out of Bluetooth communication range, the “buffer” function will begin storing scans in the MS920’s internal memory, and then transfer that scan data to your device when Bluetooth communication is re-established.

Batch Mode

Store barcode scans in the built-in memory. Batch mode is a great option for those tasks that don’t require continuous communication with a host device – simply perform all your scans and the information will be saved in the MS920’s internal memory. Then upload the data to the host device when your shift is complete. The MS920 can hold up to 32MB of data in Batch Mode and transmit data 330 ft away from the host device in Bluetooth Mode.

Rugged

The MS920 compact barcode scanner is rugged and reliable with an “IP42” protection guarantee against dust and moisture and a 5-foot drop spec. Stylish and convenient, the MS920 charges using a mini-USB port and can operate for over 13 hours on a full charge.

Compact and Powerful

Only 4 inches long and weighing less than 4 ounces, the MS920 wireless barcode scanner is easy to carry and transport. This compact barcode scanner can be stored in a shirt pocket or workbag—ready to scan at a moment’s notice. Its small design houses an aggressive scan engine and decoder equipped to read all standard barcodes, even those damaged or poorly printed. You can also use the MS920 to read electronic barcodes off a screen.

Applications

The MS920 facilitates a variety of field mobility applications, streamlining merchandising, installation and repairs, deliveries, and account management. Use the MS920 barcode scanner for gift registration and mobile point-of-sale in retail. Medical offices, manufacturing centers, and retail stores can also use the MS920 for inventory purposes or for mobile point-of-sale.

Main Features:

- Lightweight: 4 oz
- Bluetooth range: 330 ft
- Withstands 5-foot drops to concrete
- Environmentally sealed against water and dust
- 32MB of internal memory
- Quick Start Guide for easy pairing
- Warranty: 1 year

Optical & Performance

Receiving Device	Image Sensor, 752 x 480 pixels
Light Source	Illumination: Highly visible white LED Aiming: 617 nm red LED
Max. Resolution	1D codes 0.1 mm (4 mils) 2D codes 0.167 mm (6.6 mils)
Skew Angle	±58 degrees
Pitch Angle Sensor	±86 degrees
Printing Contrast Scale	30%
Motion Tolerance	4" per second
Reading Distance	(DOF PCS=100%)

Label / DOF	near	far
Code 39, 4mils	6 cm	18 cm
Code 39, 5mils	4.5 cm	22.5 cm
Code 39, 20mils	6 cm	64 cm
Code 39, 40mils	12.5 cm	97.5 cm

Label / DOF	near	far
EAN/UPC, 13 mils	4.5 cm	41 cm

Label / DOF	near	far
PDF417, 6.6 mils	5 cm	18.2 cm
PDF417, 10 mils	3.7 cm	27.5 cm
PDF417, 15 mils	4.5 cm	40 cm

Label / DOF	near	far
DataMatrix, 7 mils	6.5 cm	15 cm
DataMatrix, 10 mils	3.7 cm	27.5 cm
DataMatrix, 15 mils	4.7 cm	31 cm

*=dependent on width of barcode

Functionality

Symbologies	1D EAN/UPC, GS1 Databar (limited expanded & omni-directional), Code 39, Code 128, UCC/EAN 128, ISBN, ISBT, Interleaved/Matrix/ Industrial and Standard 2 of 5, Codabar, Code 93/93i, Code 11, MSI, Plessey, Telepen 2D Data Matrix, PDF417, Micro PDF 417, Codablock, Maxicode, QR, Aztec Postal: Australian Post, BPO, Canada Post, Dutch Post, Japan Post, PostNet, Sweden Post
Operation Mode	Trigger Mode, Flash Mode, Continuous Mode, Buffer mode

Electrical

Operation Voltage	DC 3V to 5V
Current Consumption	Operation mode: 76.8mA
Battery Type	Rechargeable Lithium-ion
Battery Duration	1100mAh, fully charged in 4 hours
Memory Size	32MB

Mechanical

Scanner Dimension	2" x 4.3" x 1.1"
Scanner Weight	3.7 oz

Environmental

ESD Protection	Functional after 8K Contact and 12K Air
Mechanical Shock	5 ft onto concrete (scanner only)
Operating Temperature	0°C to 55°C
Storage Temperature	-30°C to 70°C
Relative Humidity	95% non-condensing
IP Rating	IP42

Communication

Range	330 ft (line of sight)
Host Interface supported	USB
Interface / Profile	SPP, HID

Regulatory Approvals

CE, FCC, ClassB

Accessories

USB cable, Wrist-strap

Warranty

1 year



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