



MS842P DPM

Wireless DPM Barcode Reader



Experience the freedom of wireless scanning with the unitech MS842P DPM (wireless version of the new MS842 DPM series) high-performance barcode scanner. Delivering efficiency, durability and compact size, the device combines superior 1D and 2D barcode, as well as direct part marks 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. MS842P DPM is the ideal solution for the Manufacturing, automotive, aeronautical, medical care, electronic equipment and healthcare markets, where assets are critical.

Direct Part Marking is a process that allows users to mark a barcode directly on an item instead of printing the barcode on a label, such as plastic and metal. There are three main technologies available for DPM: laser etched marking, dot peening and ink jet printing, with the intent to create a permanent identifier for the item. The permanent nature of the marking, assures that the item can be identified throughout its full life-cycle during the supply chain, even while being exposed to harsh environmental conditions. When it comes to identifying DPM parts throughout the manufacturing process, tracking your valuable assets through their lifecycle or quality control – the unitech MS842P DPM really gets the job done! The MS842P DPM is the ideal solution for the Manufacturing, automotive, aeronautical, medical care, electronic equipment and healthcare markets, where assets are critical.

While sustaining a 1.8 meter drop to concrete, MS842P DPM incorporated with IP42 rugged design for protection against dust and moisture. In addition to offer a 10M operation range via its USB dongle, the simple plug-and-play design of MS842P DPM makes the installation much easier without complicated set-up. Moreover, the built-in long life trigger of 10 million times guarantees a continuous productivity for best reliability. In addition to all of those benefits, the MS842P DPM 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. Featuring high speed decoder and high performance engine, MS842P DPM is a great tool to improve productivity at the point of sale, industrial shipment management and inventory management. There is no doubt that MS842P DPM is one of the most efficient wireless scanning solutions in its class.

Features

- Mobility wireless design with 10M operation range.
- Advanced barcode reading technology for decoding Direct Part Marking (DPM)
- Supports most 1D and 2D barcodes and direct part marking (DPM)
- Durable, Compact and Long life trigger design
- Rugged design by IP42 and 1.8m drops
- Buffer mode for out-of-range reading

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because we care



MS842P DPM

Specifications

Optical & Performance

Receiving Device	Image Sensor, 1280 x 960 pixels
Light Source	Illumination : 2* Warm white LEDs
	Aiming : 655 nm VLD
Max. Resolution	HD: 3 mil (code 39), 4 mil (PDF417)
Skew Angle	±60 degrees
Pitch Angle	±60 degrees
Reading Distance (DOF PCS=80%)	

Decode Range	Near	Far
3 mil Code 39	1.7 in./4.3 cm	4.3 in./10.9 cm
5 mil Code 128	1.7 in./4.3 cm	4.3 in./10.9 cm
5 mil PDF417	1.7* in./4.3 cm	4.7 in./11.9 cm
6.67 mil PDF417	1.9 in./4.8 cm	4.0 in./10.2 cm
10 mil DataMatrix	1.6 in./4.1 cm	4.9 in./12.4 cm
5 mil QR Code	1.9 in./4.8 cm	4.0 in./10.2 cm
10 mil QR Code	1.1 in./2.8 cm	5.0 in./12.7 cm
100% UPCA	2.4* in./6.1 cm	7.3 in./18.5 cm

Functionality

Symbologies	1D: Code 39, Full ASCII Code39, Interleave 2 of 5, Standard 2 of 5, UPC A/E, Delta Code, Label Code, MSI/ Plessey, Codabar, Code 11, EAN8/13, Code 93, Code 128, EAN128, Code32, Toshiba Code, GS1 databar Code.
	2D: PDF417, MicroPDF417, Datamatrix, QR Code, Micro QR Code, Aztec, RSS , Composite, TLC -39, MaxiCode. Postal: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal (KIX)
Operation Mode	Trigger Mode, Presentation Mode
Data Formatting	Prefix, Suffix, Code ID, Reformatting Date

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:
MS842P DPM scanner, Power adapter, Dongle, USB extension cable for dongle
The standard package with dongle & cradle:
MS842P DPM scanner, Power adapter, Dongle, Cradle connection cable, Cradle



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