



# MS926

## Wireless 2D Pocket Scanner



unitech MS926 is a new generation of wireless 2D pocket scanner that doubles the excellent decoding performance in a pocket-sized enclosure. Thanks to its 1-inch OLED display & lightweight design for easy mobility, MS926 allows enterprises to simply scan and transmit 1D or 2D barcode and check feedback of the scanned information in real time.

### Superior 2D scanning performance with a compact size

Designed specifically for mobile users and business professionals, the MS926 is a lightweight stylish design that slips easily into the average-sized pocket. Featuring superior 2D scanning design, MS926 ensures read reliability for the LCD screens of mobile devices and paper in any orientation.

### Smart Data Mapping Technology

The MS926 offers a user-friendly experience with three-button operation that is very easy to use, requiring no special training. Built-in a bright 1-inch OLED display, mobile workers can get feedback of the scanned information in real-time. This device also delivers Smart Data Mapping Technology which is combined Lookup Table and Data View/Edit Function with Date / Time stamp. It helps users to ensure data transmitted correctly and it is allowed to check up to 10,000 pre-load barcodes in the memory of Lookup Table that is more flexibility to correct data and tracking scanning schedule immediately. Moreover, MS926 is built in 2MB Flash ROM for up to 100,000 barcodes storage in batch mode (depends on barcode length).

### Durable, Easy pairing with wireless technology

The MS926 not only incorporates rugged design with an IP42 environmental sealing against moisture and dust, while also surviving a 1.5M drop to concrete, but also it provides the convenience of wireless technology which makes barcode data collection simple, reliable for all users.

With NFC-BT automatic pairing function, MS926 can connect quickly and easily to the NFC enabled device without complex setting, it helps users to improve efficiency in mobile work place and delivers the flexibility with the 10 meters operating range.

Adding to its versatility, the MS926 also allows you to charge its built-in lithium-ion battery through any standard USB port. The battery is fully charged within 4 hours. MS926 mini barcode scanner is ideal for streamlining productivity at customer-facing operations such as the personal Identification and mobile ticketing application

### Features

- Build in high performance 2D engine & decoder to read all standard 1D, 2D and PDF417 barcodes.
- Bright, easy-to-read 1-inch OLED display.
- User-friendly operation with a pocket-sized enclosure.
- Design for reading barcodes displayed on the LCD screens of mobile devices.
- Compatible with Windows, Android, and iOS mobile devices by HID and SPP connection.
- Smart Data Mapping Technology : Lookup table function and data edit function for data mapping.
- Date /Time stamp for tracking scanning schedule.
- Supports NFC-BT automatic pairing function.
- Enterprise durability: 1.5 m drop protection and IP42 sealing for ingress protection.
- LED, beeps or vibration mode indicate good scan, connection and power status.

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### System

Display	1" OLED, 128 x 64
OS	Proprietary, Connect to host with Windows, Android and iOS
Memory	64 Kbytes SRAM / 2MB Flash ROM
Key	3 keys: Page up, Page down, Scan with power on/off feature

### Optical & Performance

Sensor	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 100 cm/s (4 in/s) for 13 mil UPC at optimal focus
Typical frame rate	30 frames per second
Skew Angle	± 45°
Pitch Angle	± 45°
Printing Contrast Scale	35% minimum print contrast ratio

Depth of Field (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

### Regulation Approvals

CE, FCC, BSMI, VCCI

### Accessories

Whist Strap, Micro USB to USB cable  
1 & 5 Slot Charging cradle (optional)



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### Functionality

Symbologies	UPC-A, UPC-E, EAN-8, EAN-13, CODE 39, CODE 128, GS1 128, I 2 of 5, NEC 2 of 5, CODE 93, Codabar, GS1DataBar Omn, GS1DataBar Ltd, GS1DataBar Exp, CODE 11, MSI, UPC-E1, S 2 of 5 Indus, S 2 of 5 IATA, Matrix 2 of 5
1D Postal Code	China Post, Korea Post
2D Code	QR Code, Data Matrix, Aztec Code, PDF417, Macro PDF417, Micro PDF417, MaxiCode, Codablock A, Codablock F, GS1 Composite, Han Xin Code
2D Postal Code	Australian Post, British Post, Canadian Pos, InfoMail, Intelligent Mail Bar Code, Japanese Post, KIX (Netherlands) Post, GS1 Composite, Korea Post, Planet Code, Postal, Postnet
Operation Mode	Trigger mode, Presentation mode, Auto mode, Batch mode, Wedge mode

### Environmental

ESD Protection	Functional after 8K Contact and 12K Air
Mechanical Shock	1.5m onto concrete (scanner only)
IP Rate	IP42
Operating Temperature	0°C to 50°C
Storage Temperature	-30°C to 70°C
Relative Humidity	95% non-condensing

### Electrical

Operation Voltage	DC 3V to 5V
Current Consumption	Operate: 400mA, Standby: 160mA
Battery Type	Rechargeable Li-ion battery
Battery Capacity	680mAh
Battery Charging time	Fully charged within 4 hours
Operating Time	5 hours at condition of 1 scan/5 sec

### Communication

Radio Frequency	BT V2.1+EDR, Class 2
Protocol	Wireless SPP & HID profiles
Range	Up to 30 Feet (Open space)
Host Interface supported	Micro USB

### Mechanical

Scanner Dimension	H21.1*W36.9*L95.9mm
Scanner Weight	63g
Switch life	10 million times

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