



# MS926 (2D scanner with 1" OLED display)

## Wireless advanced Pocket Scanner



The new MS926 scanner is part of Unitech's latest generation of advanced wireless 2D barcode readers. This pocket-sized scanner offers excellent decoding performance and several outstanding features combined in a pocket-sized enclosure.

**MS926 2D pocket scanner is the ultimate companion for any mobile worker.**

### High precision

Featuring a high performance 2D engine, this companion provides outstanding reading performance, capable of reading all major 1D, 2D and PDF417 barcodes in any orientation - even those on LCD or mobile screens.

### Compact and rugged design

Designed specifically for mobile users and business professionals. Measuring just 95.9mm x 36.9mm x 21.1mm (LxWxH) and lightweight of only 63g, offers users a high degree of portability and versatility. This MS926 stylish design fits easily into the average-sized pocket or be carried on a lanyard.

The solidly constructed MS926 (IP42) has been built to withstand mechanical shock. Able to withstand multiple 1.5 meter drops to concrete, the MS926 can maintain its performance and remains unaffected by the impact.

### Smart Data Mapping Technology

The advanced Smart Data Mapping Technology offers users the flexibility and reliability to transmit their data correctly.

- Avoid errors immediately - View, edit or delete your data before transmitting with this great function.
- Add date and time stamp to your data.
- Data mapping and reduce errors directly - Import your lookup table (up to 10,000 pre-load barcodes).

### Simplicity of use

Through its advanced wireless technology, the MS926 connects easily to virtually any laptop, tablet or smart phone (Windows, Android or Apple iOS by HID and SPP connection). The MS926 features a flash memory storage capacity of 2MB, making data loss extremely unlikely, even when it is out of range of the wireless signal. This allows users to complete long tasks without interruption.

Additionally, the MS926 also allows you to charge its built-in Li-ion battery via micro USB-to-USB cable through any standard USB port. The battery is fully charged within 4 hours.

This companion comes standard with hand-strap, micro USB-to-USB cable and a quick reference guide to get started right away. Optional accessories like an universal power adapter with USB outlet, 1-slot or 5-slot charging cradle are available to customize your requirements.

**The MS926 is equipped with a bright 1-inch OLED display and offers advanced Smart Data Mapping Technology.**

### Features:

- High-performance 2D engine to read all standard 1D, 2D and PDF417 barcodes.
- User-friendly design with a pocket-sized enclosure.
- Design for reading barcodes displayed on the mobile LCD screens
- Bright and easy-to-read 1-inch OLED display
- Compatible with Windows, Android, and iOS mobile devices by HID and SPP connection.
- Smart Data Mapping Technology: Date /Time stamp for tracking scanning schedule. Lookup table function and data view/edit/delete function for data mapping.
- Supports NFC-BT pairing function for today's smart devices.



**unitech**  
because we care



**MS926 2D pocket scanner**  
1" OLED Display & Smart Data Mapping Technology



# v1 MS926

## Specifications

### Operational & Performance

Display	1" OLED, 128 x 64
Memory	64 Kbytes SRAM / 2MB Flash ROM
Key	3 keys: Page up, Page down, Scan with power on/off feature
Sensor	CMOS sensor with 640 x 480pixel
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 degrees
Pitch Angle	±45 degrees
Print Contrast	35% minimum print contrast ratio

### Compatibility

Compatible with Windows, Android and iOS mobile devices

### Reading distance (DOF)

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

\*dependents on width of barcode

### Symbologies

#### 1D code

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, 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, Australian Post, British Post, Canadian Pos, InfoMail, Intelligent.

### Operation modes

Trigger mode, Auto mode, Wedge mode, Batch mode

### Regulatory approvals

CE, FCC, BSMI, VCCI

### Unitech Europe

Tilburg, The Netherlands  
• Tel.: +31 (0)13 460 9292



### Power Source

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

### Connectivity

Radio Frequency	Bluetooth V2.1+EDR, Class 2
NFC	NFC-BT
Protocol	Wireless SPP & HID profiles
Range	Up to 10 meter (Open space)
Host Interface supported	Micro USB

### Enclosure

Scanner dimension	36.9mm x 95.9mm x 21.1mm
Scanner weight	63g
Switch life	10 million times

### Environmental

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

### Accessories



USB cable



Handstrap



1 Slot charging cradle



5 Slot charging cradle



Power Adapter USB outlet

Hand-strap  
Micro USB to USB cable  
1 Slot charging cradle (optional)  
5 Slot charging cradle (optional)  
USB Power adapter (optional)