



MS916

Wireless (BT) Pocket Laser Scanner

The new MS916 Wireless Pocket Laser Scanner is part of Unitech's latest generation of advanced handheld barcode readers. A wireless device, this pocket-sized scanner offers several outstanding features.

High Precision

The MS916 features a high-performance laser engine that gives it excellent scanning performance—up to 104 scans per second. The result is the ability to scan, capture and transmit even lower-quality barcodes at high resolution. Equipped with 650 nm visible laser diode, the MS916 can read and capture 1D barcode data—including GS1 data barcodes—at up to 4 mil resolution. Designed specifically for mobile users and business professionals, the MS916 is a lightweight stylish design that slips easily into the average-sized pocket. Measuring just 36.9 x 95.9 x 21.1mm, it offers users a high degree of portability and versatility.

Durability

IP42-rated, the solidly constructed MS916 has been built to withstand mechanical shock. It has been shown to pass the rigorous 1.5 meter drop test onto hard concrete, with the scanner's functionality unaffected by the impact. Ruggedly designed, field-tested, durable, and reliable, it will work in temperatures ranging anywhere from 50°C all the way down to 0°C.

Simplicity of Use

The MS916 offers mobile workers a user-friendly, three-button operation that is very easy to use, requiring no special training. The bright, easy-to-read 1-inch OLED display gives feedback of the scanned information to reduce errors. It supports real-time data transmission, and the 128 x 64 resolution display makes it easy for the user to configure the scanner. Through its wireless technology, the MS916 connects quickly and easily to virtually any laptop, tablet, or smart phone host—Windows, Android or Apple iOS. It can operate for distance up to 30-feet in open space.

Adding to its versatility, the MS916 also allows you to charge its built-in lithium-ion battery through any standard USB port. A 1-slot or 5-slot charging cradle is an optional accessory. The battery is fully charged within three hours. The unit comes standard with a strap and a micro USB-to-USB cable.

Additionally, the MS916 has a flash memory storage capacity of 16MB (the equivalent of over 100,000 scans), making data loss extremely unlikely, even when it is out of range of the wireless signal. This allows mobile users to complete long tasks without interruption. At the rate of one scan every five seconds, the battery will last 8 hours on a single charge.

Versatility

The MS916 series has a wide range of potential applications:

- Retail and government workers can use it for access control, logistics, ticket and gaming applications, and other field service activities
- Pharmacy and medical store staff can employ it for medication inventory and warehousing
- It can be used for account management or as a personal identification device
- Courier services can employ it for proof of delivery functions

The bottom line: Wherever the MS916 is employed, it is bound to make data transmission smoother and more efficient.

Features

- Easy-to-use, user-friendly design with high-performance laser engine
- Bright, easy-to-read 1-inch OLED display with 128 x 64 resolution
- Windows, Android and Apple compatible
- 16MB flash ROM memory
- Rugged design that meets the 1.5 meter drop threshold; IP42-rated
- Bluetooth V2.1+EDR, Class 2, & HID/SPP support

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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 / 16MB Flash ROM |
| Key | 3 keys: Page up, Page down, Scan with power on/off feature |

Optical & Performance

| | |
|------------------------------|--|
| Receiving Device | Laser Engine |
| Light Source | 650 nm visible laser diode |
| Max. Resolution | 4mil |
| Scan Rate | 104 scans/second |
| Skew Angle | 47±3 degrees |
| Pitch Angle | 35±3 degrees |
| Printing Contrast Scale | minimum 25% |
| Depth of Field (DOF PCS=80%) | Symbology Density Near Far |
| | Code 39, 4 mils 2.5 cm 13.97 cm |
| | Code 39, 5 mils 3.18 cm 20.32 cm |
| | Code 39, 7.5 mils 3.81 cm 33.02 cm |
| | Code 39, 10 mils 3.81 cm 45.72 cm |
| | Code 39, 15 mils 3.81 cm 71.72 cm |
| | Code 39, 20 mils 4.45 cm 83.82 cm |
| | Code 39, 40 mils x 91.44 cm |
| | Code 39, 55 mils x 114.3 cm |
| | UPC, 13 mils 3.81 cm 60.96 cm |

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

1D

Code 39, Full ASCII Code39, Interleave 2 of 5, UPC A/E/E1, MSI, Codabar, Code 11, EAN8/13, Code 93, Code 128, EAN128, Code32, GS1 databar Code, Bookland EAN, Discreate 2 of 5, Chinese 2 of 5, ISBT 128, UCC Coupon Extended Code, Bookland 128

Operation Mode

Trigger mode, Pulse mode, Flash mode, Continuous Mode, Buffer mode

Data Formatting

Prefix, Suffix, Code ID, Reformatting Date

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

Operation mode: <125mAh, Standby mode: < 39mAh

Battery Type

Rechargeable Li-ion battery

Battery Capacity

680 mAh

Battery Charging time

Fully charged in about 3 hours

Operating Time

8 hours at condition of 1 scan/5 sec

Communication

Radio Frequency

Bluetooth V2.1+EDR, Class 2

Protocol

Wireless SPP & HID profiles

Range

Up to 30 Feet (Open space)

Host Interface supported

USB

Mechanical

Scanner Dimension

36.9mm x 95.9mm x 21.1mm

Scanner Weight

63g

Switch life

10 million times

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