MS916 (1D scanner with 1″ OLED display)
Wireless (BT) Pocket Laser Scanner

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

The MS916 series is really versatile and has a wide range of potential applications:

- Retail and government workers can use the MS916 in a wide variety of applications such as access control, logistics, ticketing and other field service activities.
- Pharmacy and medical store staff can employ the MS916 for medication inventory and warehousing.
- The MS916 barcode scanner can be used for account management or as a personal identification device.
- Courier services can employ the MS916 for proof of delivery functions.

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

High Precision
The MS916 features a high performance laser engine, which provides outstanding 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 a 650 nm visible laser diode, the MS916 can read and capture 1D barcode data, including GS1 data barcode 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 pockets. Measuring just 36.9 x 95.9 x 21.1mm, it offers users a high degree of portability and versatility.

Durability
The solidly constructed MS916 (IP42) has been built to withstand mechanical shock. Able to withstand multiple 1.5 meter drops to concrete, the MS916 can maintain its performance and remains unaffected by the impact. Ruggedly designed, field-tested, durable and reliable, the MS916 can operate in temperatures ranging anywhere from 50°C all the way down to 0°C.

Simplicity of use
The MS916 provides mobile workers a user-friendly three-button operation that is very easy to use and requiring no special training. Its bright 1-inch OLED display is easy to read and provides feedback of the scanned information to reduce errors. This scanner 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 (Windows, Android or Apple iOS). The MS916 can operate at distances up to 10 meters 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 2MB, 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.

Features:
- Easy-to-use and 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
- 2MB 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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MS916 1D pocket scanner
Bluetooth | 2MB Memory | OLED Display

► 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
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
Print Contrast	minimum 25%

► Reading distance (DOF)

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

* = dependents on width of barcode

► 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.

► Power Source

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

► Data Formatting

Prefix, Suffix, Code ID, Reformatting Date

► Operation modes

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

► Connectivity

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

► Compatibility

Compatible with Windows, Android and iOS mobile devices

► 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
Mechanical Shock	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

Handstrap
Micro USB to USB cable
1 Slot charging cradle (optional)
5 Slot charging cradle (optional)
USB Adapter (optional)

USB cable   Handstrap

1 Slot charging cradle   5 Slot charging cradle

► Regulatory approvals

CE, FCC, BSMI, VCCI

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