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 2MB (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
- 2MB flash ROM memory
- Rugged design that meets the 1.5 meter drop threshold; IP42-rated
- BT 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 / 2MB 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)

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
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	BT 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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