



# MS912+

## Wireless Pocket size 1D CCD scan solution

The new MS912+ is part of Unitech's latest generation of advanced wireless pocket scanners. To keep this scanner focused on our customer needs, the MS912+ 1D CCD pocket scanner offers excellent performance with super quick and long range properties. This scanner provides great data capture performance and boosts the scan speed, up to 650 scans per second. With the simplicity of its single-button scanning design, the MS912+ makes barcode data collection simple and reliable for all users.

### Outstanding performance

The MS912+ features a high-speed decoder paired with an aggressive scan engine. This provides outstanding scanning performance up to 650 scans per second, capturing 1D barcode data with a 4 mil resolution and a scanning width up to 140mm.

The scanner has capability to scan barcodes on the screen of mobile phone and it can automatically capture barcodes within its field of view in any lighting conditions from darkness to direct sunlight (100,000 lux). Above that, with its low power consumption, the MS912+ can easily read 6000 barcodes without the need to recharge.

### Easy pairing with wireless technology

The MS912+ is compatible with most wireless devices, making it easy to pair with your Android or Apple smartphone or tablet. With its ultra-compact dimension of only 72mm length, 30mm width and 20mm thickness, you can carry the MS912+ anywhere you need to go. It enables the enterprise to easily implement 1D scanning, where traditional scanners are limited, by size, mobility and/or price. Just enlarge your working area with the Unitech MS912+.

Moreover, this device is available to facilitate a data transfer from scanner to computer via USB port and it delivers the flexibility with the 10 meters operating range that helps users to improve efficiency in mobile work place.

### Extended Storage Capacity

Beyond its versatility, the MS912+ can be used with an Auto-mode that ensures no data is lost while it is out of range of the wireless signal. In addition, the **MS912M+ (memory version)** provides additional support to store data in a Batch-mode. Equipped with 2MB of memory, equivalent to 20,000 scans, the MS912M+ allows users to complete their task without interruption and without losing any data. With a simple setting you can upload the data to the back-end system once your device gets back into range.

### Features:

- Stylish and compact design
- High performance CCD module ; reading rate up to 650 scans/sec.
- Reading resolution from 5 mil density to 4 mil
- Reading performance under direct sunlight;100,000 lux.
- Support BT v2.1 ERD technology (transmission range up to 10m).
- Supports HID and SPP Bluetooth connection
- Windows, Android and Apple compatible
- Easy toggle the iPhone/iPad touch keyboard with the iOS hotkey function
- Low power consumption for long time mobile applications
- Buffer mode while out-of-range (MS912M+ memory version only)

# MS912+

## Specifications



### Operational & Performance

Technology	Linear CMOS
Light Source	Visible LED 625 nm
Max. resolution	4mil (0.1mm)
Ambient light	100.000 Lux (Direct Sunlight)
Print Contrast	30% minimum
Scan rate	650 scans/sec
Resolution	4mil / 0.1mm
Storage memory size	2MB (memory version only)
Width of field	140mm (13Mil Code39)

### Reading distance (DOF)

4 Mil Code 39 : 40 ~ 65 mm	Environment: 800 lux
5 Mil Code 39 : 35 ~ 90 mm	
10 Mil Code 39 : 35 ~ 195 mm	
15 Mil Code 39 : 50 ~ 280 mm	
13 Mil UPC/EAN : 35 ~ 230 mm	

\* = depends on width of barcode

### Symbologies

UPC-A/UPC-E, EAN-8/EAN-13, Industrial 2 of 5, Codabar, Matrix 2 of 5, Code 11, Code 93, Code 32, Code 128, Standard Code 39, Full ASCII Code 39, Interleaved 2 of 5, China Postal Code, MSI Plessey Code, UK Plessey Code, EAN/UCC 128, Telepen Code, IATA Code, GS1 Databares

### Power Source

Operating voltage	3.7 VDC +/- 5%
Current consumption	Operating mode <145mA Standby mode < 55mA <100uA (MS912+) <500uA (Memory version)
Power down	
Battery type	3.7V, 350mAh, Lithium Battery
Number of scans (per full charge)	6000 reads/charge (1 scan/5 secs, Bluetooth connected)

### Operation modes

MS912+ and MS912M+	Auto mode
MS912M+ only	Batch mode (scans stored in memory)

### Connectivity

Radio	Bluetooth 2.1 + ERD (Class 2)
Range	Up to 10 meters (line of sight)
Protocol	BT HID, BT SPP, USB HID, USB VCP, Memory (MS912M+)

### Enclosure

Scanner dimension	L72 mm x W30 mm x H20 mm
Scanner weight	30.2g
Housing material	ABS + PC
Cable	(Mini USB Cable) 1.5 m

### Environmental

Operating temperature	0°C to 50°C
Storage temperature	-20°C to 60°C
Humidity	0% - 95% (non-condensing)
ESD protection	Functional after 4KV contact and 8 KV air
Drop Test	1.5 m

### Warranty

1 Year

### Regulatory approvals

EMC	FCC Part15C, CE
Safety Approval	WEEE, RoHS 2.0, IEC 62471, NCC, TELEC, VCCI, BSMI

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