

# MS860 Mobile Solution

**EMPOWERING SOLUTIONS** 



### Unitech's Bluetooth Laser Scanner brings mobility in Barcode Scanning...

MS860, a handheld wireless laser scanner, specifically designed for applications in markets such as Cash&Retail, Inventory, Back office, and Document tracking. The incorporated Bluetooth module allows the MS860 to be used in within approx. 30m of its base unit and gives users more mobility and freedom to scan bulky and hard to reach items or to perform scanning away from a cash register or terminal in high-volume environments.

The MS860 incorporates valuable features especially designed for the user in the field. The bi-directional communication and confirmation by the loud buzzer will guarantee every transmission is received successfully, or "out off range" is detected immediately in all environments to be aware by user easily. Besides this valuable feature, the base unit has an interchangeable interface design, ensuring that cables can be replaced without having to install new drivers and that one base unit fits all interfaces supported.

The configuration and data editing utility enables users to format data before sending to the host computer. Thanks to the feature, MS860 can almost be simply plugged in and/or replacing most using scanners.

The rugged yet ergonomic design ensures comfortable usage in all kinds of environments. From the check-out counter to the back office environment the MS860 will prove its value by speeding up the checkout process, shorten the queues, and increase customer satisfaction thanks to effective scanning.

The MS860 comes with 3 YEAR limited factory warranty along with its very low cost of ownership.

#### **Main Features**

- · Accommodating a laser scanning technology
- Unlicensed 2.4GHz Bluetooth
- · Compatible with other Bluetooth devices
- · Working range of 30m, line of sight
- Bi-directional communication ensures clear users feedback
- · Lithium-Ion battery 3.7V 1900mAH
- Withstands I.5m to concrete floor
- · Interchangeable cable design
- Auto-discriminating interface design
- Base unit supports keyboard wedge, RS232 and USB
- 3-year limited warranty



# MS860

### **Specifications**

#### Performance/Optics

Optical System Symbol SE 1200WA
Light Source Visible Laser Diode 650nm
Scan rate 35 (±5) scans /sec (bi-directional)

Maximum res. 0.1mm (4 mil)
Reading distance Up to 63,5 cm

Reading width Up to 53cm on 55 mil resolution

Scan Angle 53° ± 2° PCS Minimum 20%

#### Functionality

#### Symbologies:

CODE 39 full ASCII	CODABAR	Label Code
CODE 39 Standard	CODE 128	Plessey Code
EAN-13	CODE 93	CODE I I
UPC-A	Standard 2 of 5	China Postal Code (Toshiba Code)
EAN-8	MSI Code	CODE 32 (Italian Pharmacy)
UPC-E	EAN-128	Interleaved 2 of 5

#### Communications

Radio Unlicensed 2.4GHz Bleutooth point to point

Radio range up to 30m, line of sight

Cradle/host USB keyboard/RS232 serial/keyboard wedge

Communication Bi-directional Out of range error tone indication

#### ■ Electrical

Battery Type Lithium-ion
Battery capacity 3.7V 1900 mAH

Operating time More than 16 hours (5 scans/sec)
Battery recharge time Fully charged in 4.5 hours
Blue tooth module Buzzer Built in scanner and cradle
90dB from 10m distance measured



#### Cradle & Accessories

Cradle and Power Operating from separate 9V, I.2A power supply

Supply unit

Cables for cradle Current RS232/USB/Keyboard wedge

Holster and Belt User's manual Hand strap

#### Packaging

The MS860 is standard delivered in a complete set (MS860-WKE or MS860-WKB) containing the following

- MS860
- MS086 Base unit
- EU (MS860-WKE) or UK (MS860-WKB ) Power Supply
- · Keyboard Wedge cable
- Manual

#### Mechanical

Weight 310g

Dimension 130 mm (L) x 89 mm (W) x 144 mm (H)

Connector Type RJ 45 phone jack

#### Environmental

Operating Temperature: 0 °C to 50 °C Storage Temperature: -20 °C to 60 °C

Humidity: 5% to 95% non-condensing

ESD Protection: Functional after 8K Contact and 12K Air

Mechanical Shock: 1.5m onto concrete

#### Regulatory Approvals

CE, FCC, BSMI



MS860-04VI

Switzerland • OPAL Associates AG •Motorenstrasse 116 • CH-8620 Wetzikon • Telefon +41 (0)44 931 12 22 • Telefax +41 (0)44 931 12 20 • Email info@opal-holding.com • URL http://www.opal.ch/ • OPAL Associates SA • Avenue des Boveresses S4 • Case postale 29 • CH 1000 Lausanne 21 • Telefon +41 (0)21 653 95 00 • Telefax +41 (0)21 653 95 02 • Email info@opal-holding.com • URL http://www.opalsa.ch/ • Germany • OPAL Associates GmbH • Lohnerhofstrasse 2 • D-78467 Konstanz Telefon • +49 (0)7531 813 000 • Telefax +49 (0)7531 813 000 99 • Email info@opal-holding.com • URL http://www.opalambh.de/ • OPAL Associates GmbH • Osterholder Allee 2 • 25421 Pinneberg • Telefon +49 (0)4101 787 615 • Telefax +49 (0)4101 787 616 • Email info@opal-holding.com • OPAL Associates GmbH • München • Telefon +49 (0)89 12737 556 • Telefax +49 (0)89 12737 557 • Email info@opal-holding.com • OPAL Associates GmbH • Frankfurt • Telefon +49 (0)89 8236 6501 • Telefax +49 (0)89 8236 7709 • Email info@opal-holding.com • OPAL Solutions GmbH • Wilhelmstr. 22 • 52428 Jülich • Telefon +49 (0)2461 936 770 • Telefax +49(0)2461 936 771 • Email info@opal-holding.com • URL http://www.opal-solutions.de/ • Austria • OPAL Associates GesmbH • Vorarlberger Wirtschaftspark • A-6840 Götzis • Telefon +43 (0) 5523 58833 • Telefax +43 (0)5523 521569 • Email info@opal-holding.com • URL http://www.opal.com • UR