MS840B

Wireless scanning at its best

The new Unitech MS840B wireless laser scanner is enriched with a high-speed Mantis decoder and a powerful scan engine to optimize data capture efficiency. Supporting point-to-point and multi point-to-point use, the MS840B allows at least 3 guns to transmit and secure data to one cradle.

With a rugged wireless design, the MS840B provides greater flexibility and productivity for users to move without restrictions for real-time data connection, while also sustaining comfort over long periods of use. Able to scan up to 300-feet away from the host, the MS840B stores data in a buffer mode while it is out of range of the wireless signal, uploading the data when it gets back in range. Ideal for various applications in warehousing, retail and healthcare, the MS840B is easy to operate, able to take accurate inventory, speed up checkout, and administer the correct medication. Able to withstand multiple 6-foot drops to concrete and IP42-rated environmental seal against water and dust, the MS840B can maintain its high performance in the harshest environments.

Providing different configuration capabilities for USB, RS232 and PS2, connection is convenient with the MS840B. It also supports HID and SPP protocol, allowing users to connect to a PC or PDA directly. With a cradle that can mount to a desk or wall, a long life trigger design, and page calling for scanner tracking, the MS840B provides endless convenience and ease-of-use while lowering the overall investment cost so you can do more for your business.

Features

- High-speed Mantis decoder
- Long life trigger design
- One cradle supports up to 3 scanners
- Supports SPP & HID
- Buffer mode for out-of-range reading
- Page button on cradle for scanner tracking

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Optical & Performance

Receiving Device	Laser engine
Light Source	Visible Laser Diode 650 nm
Max. Resolution	4mil (0.1mm)
Scan Rate	104 scans/second
Scan Angle	47°± 3° (typical), 35°± 3° (narrow)
Printing Contrast Scale	20% Minimum

Reading Distance
(DOF PCS=80%)

Label / DOF	near	far
Code 39, 4mil	2.5cm	13.9cm
Code 39, 5mil	3.18cm	20.32cm
Code 39, 7.5mil	3.81cm	33.02cm
Code 39, 10mil	3.81cm	45.72cm
Code 39, 13mil	3.81cm	60.96cm
Code 39, 15mil	3.81cm	71.12cm
Code 39, 20mil	4.45	83.82cm
Code 39, 40mil	＊	91.44cm
Code 39, 55mil	＊	114.3cm

＊=dependent on width of bar code

Functionality

Operation Mode	Trigger Mode, Flash Mode, Continuous Mode, Buffer mode
Symbologies	Code 39, Full ASCII Code39, Interleave 2 of 5, Standard 2 of 5, China Postal, UPC, Delta Code, MSI, Plessy, Codabar, Code 11, EAN8/13, Code 93, Code 128, EAN128, Code32, Italian Pharmacy, Label Code,GS1 databar code
Data Formatting	Prefix, Suffix, Code ID, Reformatting Date

Electrical

Operation Voltage	DC 3V~5V
Current Consumption	Operation mode:<170mA; Standby mode:<30mmA
Battery Type	Lithium-ion
Battery Capacity	1620mAh charged via the cradle
Battery Charging time	Fully charged in 4.5 hours
Operating Time	Over 30 hours at condition of 1 scan/3 sec

Mechanical

Scanner Dimension	H176*W74*L89mm
Scanner Weight	206g
Cradle Dimension	H73*W95*L200mm
Cradle Weight	282g

Environmental

ESD Protection	Functional after 8K Contact and 12K Air
Mechanical Shock	1.8M onto concrete
IP rate	IP42
Operating Temperature	0°C to 50°C
Storage Temperature	-30°C to 70°C
Relative Humidity	5% to 90% non-condensing

Communication

Radio Frequency	Unlicensed 2.4GHz,
Protocol	Wireless, SPP & HID profiles
Range	300 feet(line of sight)
Multi scanners operation	Up to 3 scanners to one cradle
Host Interface supported	Keyboard Wedge, RS232, USB(via Cradle)

Regulation Approvals

CE,FCC,BSMI,VCCI

Accessories

Cradle
Battery pack
Power adapter
Interface cable
Mounting Stand(on the Wall)