MS852+ HC   MS852B+ HC

MS852+ HC Series
Antimicrobial 2D Imager Scanner

Flexible Healthcare Scanning Solutions
Expect more from your barcode scanner. Unitech introduces the MS852+ HC barcode scanner series. Designed with the healthcare worker in mind, these devices offer rugged protection and antimicrobial housing which resist damage from repeated cleanings with harsh cleaning agents. These high-performance units provide for a number of medical or clean room uses such as scanning patient IDs, prescription order scanning, and staff badge verification.

Germ-Resistant
Frontline workers in healthcare are especially vulnerable when it comes to the spread of germs. In response to this, Unitech has constructed devices that are ethanol safe as well as antimicrobial. Many barcode scanners made for the healthcare industry in the past failed to provide two forms of protection against disease; with our MS852+ HC devices are housed in durable, ethanol-safe casing with antimicrobial properties, reducing contamination and ensuring a safer environment for both medical staff and patient.

Wireless MS852B+ HC
The Unitech MS852+ HC series offers corded and non-corded scanners to suit reception areas and bedside patient care. For wireless scanner needs, the MS852B+ features Bluetooth® dual mode technology (Bluetooth® LE V4.2 & Bluetooth® 2.1+EDR, Class 1) and can be easily synced with a compatible smartphone, tablet, or computer for downloading the most up-to-date information. Capable of reads from up to 328 feet from the base and storing 590,000 codes, this device proves its versatility with every scanner beep. .

Effortless Barcode Reading
For critical care, a device that reads data accurately as well as efficiently is a must. The MS852+ HC series devices captures 1D and 2D barcodes on paper and mobile, even damaged or hard to read ones, or computer screens. This makes it highly suited for hospital point of care, specimen collection, and pharmacy inventory control.

Increase Productivity and Reduce Errors
Equipped with loud, clear beeps and bright LED indicators, the MS852+ HC series scanners allow users to recognize feedback easily even in dark or noisy environments. Additionally, MS852+ HC scanners absorb shock from drops up to 6.8 feet and protect against environmental elements with its IP42 rating making for a sturdy, multi-use device.

Main Features:

- Antimicrobial housing design
- Medical Certications: ISO 22196, ISO 11737-1, ISO 11737-2
- Reads most 1D / 2D barcode on mobile screens, even damaged or poorly printed barcodes
- Supports Bluetooth® dual mode technology (Bluetooth® LE V4.2 & Blue tooth® 2.1+EDR, Class 1) (for MS852B+ HC)
- Wireless transmission range up to 328 feet (100m) in the line of open sight (for MS852B+ HC)
- Long lifecycle trigger design: Up to 10,000,000 times
- Ultra-rugged design: IP42 and 6.8 feet (2.1m) drop spec

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Optical & Performance

Sensor	1280 X 800 global shutter
Aiming Element	Red laser
Illumination	White LED (exempt risk group)
Ambient Light	100,000 Lux (Sunlight)
Skew Angle	±60°
Pitch Angle	±60°
Roll Angle	0 - 360°
Optical Resolution	2.5 mils C39 (1D), 5 mils Data Matrix, 5 mils QR (2D), 4 mils PDF417 (2D stacked)
Printing Contrast Scale	20% minimum print contrast ratio
Depth of Field	(DOF PCS=80%)

SYMBOLOGY / X-DIM TYPICAL RANGE* Near Far
13 mil UPC 1.5 in / 3.8 cm 15.9 in / 40.5 cm
3 mil Code 39 2.6 in / 6.6 cm 7.2 in / 18.3 cm
5 mil Code 39 2.1 in / 5.3 cm 10.4 in / 26.5 cm
6.7 mil DM 2.84 in / 7.2 cm 7.1 in / 18.0 cm
10 mil DM 2.3 in / 5.9 cm 9.8 in / 24.8 cm
5 mil PDF417 2.9 in / 7.4 cm 7.3 in / 18.6 cm
6,7 mil PDF417 2.3 in / 5.9 cm 9.4 in / 23.8 cm
6.7 mil QR Code 2.8 in / 7.2 cm 6.4 in / 16.3 cm
15 mil QR Code 1.1 in / 2.7 cm 12.1 in / 30.8 cm

Symbologies	**1D**
	Codabar, Code 11, Code 128, Code 2 of 5, Code 39, Code 93 and 93i, EAN/JAN-13, EAN/JAN 8, IATA Code 2 of 5, Interleaved 2 of 5, Matrix 2 of 5, MSI, GS1 Databar, UPC-A, UPC E, UPC-A/EAN-13 with Extended Coupon Code, Coupon GS1 Code 32(PARAF), EAN-UCC Emulation, GS1 Data Bar, TLC39
	2D
	2D Stacked: Codablock A, Codablock F, PDF417, MicroPDF417
	2D Matrix: Aztec Code, Data Matrix, MaxiCode, QR Code, Chinese Sensible (Han Xin), Grid Matrix, Dot Code
	Postal:Australian Post, British Post, Canadian Post, China Post, Japanese Post, Korea Post, Netherlands Post, Planet Code, Postnet
OCR Barcodes	Support OCR barcodes
Data Formatting	Prefix, Suffix, Code ID, Reformatting Date

Mechanical

MS852+ HC:

Dimension	3.4 in x 2.8 in x 6.9 in (87.8 mm x 71.6 mm x 177.7 mm)
Weight	5.4 oz (155 g) without cable
Trigger Switch Life	10 million times

MS852B+ HC:

Dimension	3.4 in x 2.8 in x 6.9 in (87.8 mm x 71.6 mm x 177.7 mm)
Weight	7.5 oz (213 g) without cradle
Cradle Dimension	4.7 in x 3.4 in x 3.3 in (120.6 mm x 88.7 mm x 86.0 mm)
Trigger Switch Life	10 million times

Regulatory

CE, FCC, BSMI, VCCI, ISO22196, ISO11737-1/-2

MS852B+ HC with cradle

Communication (for MS852B+ HC)

Radio	Bluetooth LE® V4.2 Bluetooth® 2.1+EDR, Class 1
Wireless Coverage	100m (line of sight)
Interface/ Prole	Serial Port and HID proles
Host Interface supported	USB

Electrical

MS852+ HC:

Operation Voltage	VDC to 5.5 VDC
Current Consumption	Operating: 252mA Standby: 77mA
Indicator	LED & Beeper & Vibrator(for MS852B+ HC)

MS852B+ HC:

Battery Type	Rechargeable and replaceable battery pack
Battery Capacity	2850mAh
Battery Charging time	<6.5 hours
Operating Time	>25 hours
Indicator	LED & Beeper & Vibrator(for MS852B+ HC)

Environmental

ESD Protection	Functional after 8K Contact and 15K Air
Mechanical Shock	6. 8 feet (2.1 m) onto concrete (scanner only)
IP Rating	IP42
Operating Temperature	-10°C to 50°C (14°F to 122°F)
Storage Temperature	-40°C to +70°C (-40°F to +158°F)
Relative Humidity	95% non-condensing

Accessories

Standard Hands Free Stand (Optional)
USB Cable
Cradle (for MS852B+ HC)

Package Contents

MS852+HC / MS852B+ HC Scanner
Interface cable
Cradle (for MS852B+ HC)