MS852+ HC Series

Anti-microbial

Anti-microbial 2D Imager Scanner

MS852+ HC   MS852B+ HC

Accurate Barcode Scanning for Healthcare Solutions

Featuring anti-microbial housing design, the MS852+ HC series is especially to be used friendly in healthcare environments following high hygienic regulations. Specially designed for nursing care in hospitals and healthcare institutes, the devices are medical certified by ISO 22196, ISO 11737-1, ISO 11737-2. Delivering the high-performance barcode scanning engine, the healthcare givers may use this device to check patient identification and prescription orders through bar codes that reduce medical errors and enhance the efficiency of the hospital environment.

Ethanol Safe and Anti-Microbial Devices

"Ethanol safe" allows a device or equipment to be cleaned by non-condensed alcohol (75% to 90%) to kill or remove the germs and viruses from surfaces. Despite disinfecting equipment regularly, anti-microbial housing provides extra protection in-between each disinfection cycle. Anti-microbial housing was often omitted, and considered not critical, in the past because of the regular disinfection process that was required. However, Covid-19 makes us understand that the virus can contaminate, stay on the surface, and be spread to the next person who will touch the device before disinfect cleaning. "Anti-microbial housing" is the answer and this material can minimize or prevent the germs and viruses from staying on the surface. There are devices in the market, under a healthcare banner, that will offer either ethanol safe or anti-microbial housing; but not both. Unitech Healthcare devices use both housings at the same time.

Wireless for Flexibility (for MS852B+ HC)

Moreover, the MS852B+ HC supports Bluetooth® dual mode technology (Bluetooth® LE V4.2 & Bluetooth® 2.1+EDR, Class 1) to give you the freedom and bring your business the flexibility. It is compatible with any smartphone, tablet, or computer–the MS852B+ HC pairs easily to any mobile device or PC. Besides, it allows users to transmit data to the host from up to 100 meters from the base. When it is out of range, the MS852B+ HC barcode scanner can store 590,000 codes in memory and upload to your devices at your own convenience.

Increase Productivity with Advanced Industrial Barcode Scanner

The MS852+ HC series is built in Megapixel barcode sensor that enhances the maximum compatibility to capture most 1D / 2D barcodes on mobile screens, even damaged or poorly printed barcodes. The MS852HC handheld scanner is a highly reliable tool to increase productivity and efficiency in hospital point of care, specimen collection, pharmacy inventory control, and materials management.

User-Friendly and Durability

Equipped with a louder beeper and brighter LED indicators, the MS852+ HC series allows users to recognize the feedbacks easily even in dark environment. While sustaining a 2.1 meter drop to concrete, MS852+ HC series incorporated with IP42 rugged design for protection against dust and moisture. Moreover, the built-in long lifecycle trigger of 10 million times guarantees a continuous productivity for best reliability. This scanner can be used in the most practical way depending on the scanning task in various solutions in hospital environment.

Features

- Anti-microbial housing design
- Medical Certifications : ISO 22196, ISO 11737-1, ISO 11737-2
- Support most 1D / 2D barcode on mobile screens, even damaged or poorly printed barcodes
- Support Bluetooth® dual mode technology (Bluetooth® LE V4.2 & Bluetooth® 2.1+EDR, Class 1) (for MS852B+ HC)
- Wireless transmission range up to 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 2.1m drop spec

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MS852+ HC Series
Specifications

MS852+ HC   MS852B+ HC

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 Sensor	±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	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

Communication (for MS852B+ HC)

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

Mechanical

- **MS852+ HC**

Dimension	87.8 L x 71.6 W x 177.7 H (mm)
Weight	155g without cable

- **MS852B+ HC**

Dimension	87.8 L x 71.6 W x 177.7 H (mm)
Weight	213g without cradle
Cradle Dimension	120.6 L x 88.7 W x 86.0 H (mm)

Trigger Switch Life	10 million times

Symbologies

1D Barcodes	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 Barcodes	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

Environmental

ESD Protection	Functional after 8K Contact and 15K Air
Mechanical Shock	2.1M onto concrete (scanner only)
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
IP Rating	IP42

Electrical

- **MS852+ HC**

Operation Voltage	VDC to 5.5 VDC
Current Consumption	Operating: 252mA
	Standby: 77mA

- **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)

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)

Regulatory Approvals

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

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