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MS840
Rugged Handheld Laser Scanner

Ergonomic and Smart Design
With its ergonomic, stylish, lightweight enclosure, the MS840 is designed to deliver top-notch performance by optimizing productivity and efficiency. Equipped with a beeper and red/green LED to notify users of scanning status, the MS840 makes reading barcodes in busy working environments easy, and allows users to rest assured that they have captured each and every barcode.

Rugged Enough for Industrial Use
The MS840 rugged design can withstand multiple 1.8-meter drops to concrete, thus minimizing downtime due to breakage and lowering the total cost of ownership. As one of the strongest scanners in its class, the MS840 has an IP42 rating, safeguarding it from moisture and dust, and is capable of operating in diverse applications including retail, industrial and commercial services.

Reliable and Cost Effective
The MS840 supports a wide range of connectivity options including USB, RS232 and keyboard wedge. Easy and quick user-friendly cable replacement capability minimizes downtime and reduces the total cost of ownership.

Features
- High-performance laser engine and decoder
- Supports all 1D barcodes; including GS1 Data barcode
- Ergonomic design for maximum user comfort
- Multiple scanning modes
- Louder beeper for noisy environment operation
- 1.8-Meter / 6-Foot drop test
- IP42-rated

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Specifications

Optical & Performance

Receiving Device	laser engine
Light Source	Visible Laser Diode 650 nm
Max. Resolution	0.127mm(5 mil)
Scan Rate	100 scans/second
Skew Angle	±50 degrees
Pitch Angle	±35 degrees
Printing Contrast Scale	45% Minimum
Depth of Field	Code-39 5mil
	From 60 ~ 110mm,
	Code-39 6mil
	From 50 ~ 130mm (± 10mm),
	Code-39 10mil
	From 50 ~ 230mm (± 30mm),
	Code-39 20mil
	From 50 ~ 380mm (± 30mm),
	Code-39 40mil
	From 70 ~ 550mm (± 50mm)

Functionality

Symbologies	Code 39, Full ASCII Code39, Interleave 2 of 5, Standard 2 of 5, UPC A/E, Delta Code, Label Code, MSI/ Plessy, Codabar, Code 11, EAN8/13, Code 93, Code 128, EAN128, Code32,Toshiba Code, GS1 databar Code.
Operation Mode	Trigger Mode, Flash Mode, Multiscan Mode, One Press One Scan Mode
Data Formatting	Prefix, Suffix, Code ID, Reformatting Date
Function Keys	PC, Macintosh and IBM Terminal Keyboard

Electrical

Operation Voltage	DC 3V to 5V
Current Consumption	Operation mode: <91mA , Standby mode: <26mA

Mechanical

Dimension	176*74*89mm
Weigh	157g(without cable)
Switch life	10 million time

Environmental

ESD Protection	Functional after 8K Contact and 12K Air
Mechanical Shock	1.8m onto concrete(scanner only)
IP rate	IP42
Operating Temperature	0℃ to 50℃
Storage Temperature	-30℃ to 70℃
Relative Humidity	5% to 90% non-condensing

Communication

Keyboard Wedge, RS232, USB 2.0

Regulation Approvals

CE, BSMI, VCCI, C-Tick

Accessories

Hand-free stand
Interface cable