Since 1990
MARSON

MT110L/LM Mini Scanner

With built-in Bluetooth® technology, MT110L/LM mini barcode scanner can send data to the host up to 20 meters away. This pocket-sized lightweight wireless 1D barcode scanner is a dexterous mini companion for mobile POS which works on laptops, tablets, smart phones or other mobile devices with iOS®, Android® and Windows®.

Increasing Mobile Productivity

- Class1 laser and on screen barcode readability.
- Supports both audio and haptic feedback.
- 2MB memory supports both on-line and off-line operation.
- Bluetooth 5.0 technology with up to 20 meters range.

Easy and Flexible Operations

- Indicators : Buzzer, LED and Vibrator
- Interfaces : BT HID/ BT SPP/ USB HID/ USB VCP/ Memory

＊All specifications are subject to change without notice.

Optic & Performance	
Light Source	3000K CCT visible white LED, 650nm visible red Laser
Sensor	Linear Image Sensor
Scan Rate	380 Scans/Sec
Resolution	4Mil/ 0.1mm
Scan Angle	41°
Pitch / Skew / Roll Angle	±30°/ ±40°/ ±20°
Print Contrast Ratio	30%
Width of Field	140 mm (13Mil Code39)
Memory	2MB (20,000 barcodes)
Typical D.O.F (@800 lux)	UPC/ EAN 13 Mil: 42 ~ 243 mm

Physical Characteristics	
Dimension	W27.5 x L68.4 x H16.2 mm
Weight	27g
Color	MT110L: Black, MT110LM: White
Material	PC
Cable	Micro(M) to USB A(M) Cable, 1.5M
Trigger	Scan Button, Function Button
Indicator	LED, Buzzer, Vibrator

Electrical	
Operation Voltage	3.7 VDC ± 5%
Working Current	< 170mA
Standby Current	< 60mA
Power Down Current	< 500uA
Battery	3.7V, 400mAh, Li-Polymer Battery
Number of Scan (per full charge)	5,400 scans (1 scan/ 5 secs, Bluetooth® connected)

Connectivity	
Radio	Bluetooth® 5.0 (Class 2)
Range	66 ft/ 20M (line of sight)
Interface/ Profile	BT HID, BT SPP, USB HID, USB VCP, Memory

User Environment	
Operating Temperature	-10°C ~ 50°C
Storage Temperature	-20°C ~ 60°C
Humidity	0% ~ 95% RH (Non-condensing)
Drop Durability	1.5M
Sealing	N/A
Ambient Light	50,000 Lux (Sunlight)

Regulatory	
ESD	Functional after 4KV contact, 8KV air discharge
EMC/RF	FCC Part 15B Class B, Part15C, CE EN55022/24/32, EN301489-1-17, EN300328 V2.1.1
Safety Approval	EN/IEC60825-1 (Class 1), FDA, EN/IEC60950-1
Environmental	WEEE, RoHS 2.0
Medical Compliance	MT110LM: ISO 22196 (JIS Z 2801), ISO 11737-1/2

Symbologies	
1D	UPC-A/UPC-E, EAN-8/EAN-13, Industrial 2 of 5, Codabar, Matrix 2 of 5, Code 11, Code 93, Code 32, Code 128, Standard Code 39, Full ASCII Code 39, Interleaved 2 of 5, China Postal Code, MSI Plessy Code, UK Plessy Code, EAN/UCC 128, Telepen Code, IATA Code, GS1 Databar

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