MT851 2D Pocket Scanner

With built-in Bluetooth technology, MT851 2D Portable Scanner can send data to the host from up to 20 meters away. This ergonomic pocket-sized wireless 2D barcode scanner with IP55 sealing and medical-grade enclosure is a versatile pocket companion for both industrial and healthcare applications that work with laptops, tablets, smartphones or other mobile devices with iOS®, Android® and Windows®.

Increasing Mobile Productivity

- IP55 industrial-class protection and 1.5M drop resistance
- Supports audible, visual and haptic feedback
- Stores over 20,000 barcodes with 2MB memory size
- Up to 20 meters coverage with Bluetooth 5.0 technology
- Supports all 1D and 2D barcodes including GS1 UDI & Dotcode

Easy and Flexible Operations

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

Optic & Performance	
Light Source	White LED, visible red LED
Sensor	1280 x 800
Resolution	3Mil / 0.075mm (1D), 7mil/ 0.178mm (2D)
Scan Angle	Horizontal 43°, Vertical 33°
Pitch / Skew / Roll Angle	±55° / ±55° / 360°
Print Contrast Ratio	20%
Width of Field	176 mm (13Mil Code39)
Memory	2MB (20,000 barcodes)
Typical D.O.F (@800 lux)	UPC/EAN 13 Mil : 45 ~ 483 mm QR Code 15 Mil : 32 ~ 332 mm
Physical Characteristics	
Dimension	W42.5 x L102 x H21.5 mm
Weight	71g
Color	White
Material	PC
Cable	Type C(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	< 400mA
Standby Current	< 100mA
Battery	3.7V, 1000mAh, Li-Polymer Battery
Number of Scan (per full charge)	10,000 scans (1 scan/ 5 secs, Bluetooth connected)
Connectivity	
Radio	Bluetooth® 5.0 dual mode (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 ~ 50°C
Storage Temperature	-20 ~ 60°C
Humidity	0% ~ 95% RH (Non-condensing)
Drop Durability	1.5M
Sealing	IP55
Ambient Light	100,000 Lux (Sunlight)
Regulatory	
ESD	Functional after 4KV contact, 8KV air discharge
EMC/RF	FCC Part15C, TELEC
Safety Approval	TBA
Environmental	WEEE, RoHS 2.0
Medical Compliance	ISO 22196 (JIS Z 2801), ISO 11737-1/2
Symbologies	
1D	UPC-A, UPC-E, EAN-8, EAN-13, Code 128, Code39, Code 93, Code 32, Code11, Codabar , Plessey, MSI, Interleaved 2 of 5, IATA 2 of 5, Matrix 2 of 5, Straight 2 of 5, Pharmacode, GS1 Databar, Composite CC-A/B/C
2D	PDF417, MicroPDF417, Data Matrix, QR Code, Micro QR Code, Aztec, MaxiCode, DotCode

All specifications are subject to change without notice.

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GOOD DESIGN AWARD
COMPUTEX d&i awards
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