



## MT820 2D Mini Wireless Scanner

With built-in Bluetooth<sup>®</sup> technology, MT820 2D Mini Wireless Scanner can send data to the host from up to 20 meters away. This pocket-sized lightweight wireless 2D barcode scanner with biologically safe LED illumination is a versatile mini companion for healthcare and hygiene-sensitive applications which works with laptops, tablets, smartphones or other mobile devices with iOS<sup>®</sup>, Android<sup>®</sup> and Windows<sup>®</sup>.

### Increasing Mobile Productivity

- Mini size (W27.5 x L68.4 x H16.2mm) & lightweight (28g)
- Supports audible, visual and haptic feedback
- Stores barcode data offline with 2MB memory
- 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
- Accessories: Silicone Cover and Lanyard



Optic & Performance	
Light Source	White LED, Visible red LED
Sensor	640 x 480
Resolution	3Mil/0.075mm
Scan Angle	H43° x V33°
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 13Mil: 40 ~ 362 mm
Physical Characteristics	
Dimension	W27.5 x L68.4 x H16.2 mm
Weight	28g
Color	MT820: Black, MT820M: White
Material	PC+ABS
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	< 240mA
Standby Current	< 50mA
Battery	3.7V, 400mAh, Li-Polymer Battery
Number of Scan (per full charge)	6,000 scans (1 scan/ 5 secs, Bluetooth <sup>®</sup> connected)
Connectivity	
Radio	Bluetooth <sup>®</sup> 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 ~ 50°C
Storage Temperature	-20 ~ 60°C
Humidity	0% ~ 95% RH (Non-condensing)
Drop Durability	1.5M
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	Code 128, EAN-13, EAN-8, UPC-E, UPC-A, ISBN, ISSN, Code 11, Interleaved 2 of 5, Code 39, Code 93, Code 32, Codabar, Matrix 2 of 5, Industrial 2 of 5, Standard 2 of 5, Plessey, MSI Plessey, GS1 Databar, Febraban, Composite
2D	QR Code, Micro QR Code, PDF417, MicroPDF417, Data Matrix, Aztec, MaxiCode, HanXin, Dotcode

\* All specifications are subject to change without notice.