



## MT582 2D Wearable Ring Scanner

MT582 is a wireless wearable 2D ring scanner that enables hands-free scanning for mobile operators who work with smart phones or other mobile device of devices of iOS<sup>®</sup> and Android<sup>®</sup>. With built-in Bluetooth<sup>®</sup> 5.0 technology and disinfectant-ready housing, MT582 provides 20M wireless data transmission and microbe-free scanning experience.

### Ergonomic Design for Mobile Operators

- The most lightweight ring scanner in the world
- Snappy 1D & 2D Data capture
- Wearable design and hands-free scanning
- Touch-activated scan buttons
- Medical-grade anti-microbial housing

### Easy and Flexible Operations

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



Optic & Performance	
Light Source	White LED, Visible red LED
Sensor	640 x 480
Resolution	4Mil / 0.1 mm (1D), 10mil / 0.25mm (2D)
Scan Angle	Horizontal 43°, Vertical 33°
Pitch / Skew / Roll Angle	±55° / ±55° / ±360°
Print Contrast Ratio	10%
Width of Field	141 mm (13Mil Code39)
Memory	2MB (20,000 barcodes)
Typical D.O.F ( @800 lux)	UPC/ EAN 13 Mil: 52 ~ 355 mm
Physical Characteristics	
Dimension	W27.6 x L46.2 x H26.8 mm
Weight	19.4 g
Color	Black (MT582) or White (MT582M)
Material	PC+ABS
Cable	Type-C USB Cable, 1.5M
Trigger	Touch Scan Button, Function Button
Indicator	LED, Buzzer
Electrical	
Operation Voltage	3.7 VDC ± 5%
Working Current	< 210 mA
Standby Current	< 25 mA
Battery	3.7V, 240mAh, Li-Polymer Battery
Number of Scan (per full charge)	4,000 scans (1 scan/ 5 secs, Bluetooth 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	1.5 M
Sealing	IP42
Ambient Light	100,000 Lux (Sunlight)
Regulatory	
ESD	Functional after 4KV contact, 8KV air discharge
EMC/RF	FCC Part 15B Class B, Part15C CE EN62479, EN301489-1-17, EN300328 V2.2.2, TELEC
Safety Approval	IEC62471 (Exempt Group)
Environmental	WEEE, RoHS 2.0
Symbolgies	
1D	Code 128, EAN-13, EAN8-, 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

\* All specifications are subject to change without notice.



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