MT584 2D Wireless Ring Scanner

With built-in Bluetooth® 5.0 technology, MT584 wireless ring scanner can send data to the host up to 20 meters away. This wearable lightweight wireless 2D barcode scanner enables hands-free scanning for mobile operators who work with laptops, tablets, smart phones or other mobile devices with iOS®, Android® and Windows®.

Ergonomic Design for Mobile Operators

- The smallest and lightest wireless ring barcode scanner.
- Wearable design enabling hands-free barcode scanning.
- Disinfectant-ready housing improves operational hygiene.
- Ergonomic design with touch-activated scan button.

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	5mil / 0.125mm (1D), 10mil / 0.25mm (2D)
Scan Angle	Horizontal 37°, Vertical 27.5°
Pitch / Skew / Roll Angle	±60°/ ±60°/ ±360°
Print Contrast Ratio	25%
Width of Field	141 mm (13Mil Code39)
Memory	2MB (20,000 barcodes)
Typical D.O.F (@800 lux)	UPC/ EAN 13 Mil: 47 ~ 303 mm

Physical Characteristics	
Dimension	W27.6 x L46.2 x H26.8 mm
Weight	20g
Color	Black or White
Material	PC+ABS
Cable	Micro(M) to USB A(M) Cable, 1.5M
Trigger	Touch Scan Button, Function Button
Indicator	LED, Buzzer

Electrical	
Operation Voltage	3.7 VDC ± 5%
Working Current	< 210mA
Standby Current	< 25mA
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® 5.0 (Class 2)
Range	66 ft/ 20M (line of sight)
Interface/ Profile	BT HID, BT SPS, 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	IP42
Ambient Light	70,000 Lux (Sunlight)

Regulatory	
ESD	Functional after 4KV contact, 8KV air discharge
EMC/RF	TELEC
Safety Approval	IEC62471 (Exempt Group)
Environmental	WEEE, RoHS 2.0

Symbologies	
1D	UPC-A/ UPC-E0/ UPC-E1, EAN-8/ EAN-13, Code128, Code39, Code93, Codabar, Interleaved 2 of 5, Industrial 2 of 5, Matrix 2 of 5, Standard 2 of 5, China Post 25, Code11, MSI Plessey, Plessey, GS1 Databar, GS1 Databar Limited, GS1 Databar Expanded
2D	QR Code, Micro QR Code, PDF417, MicroPDF417, Data Matrix, Aztec, MaxiCode, Han Xin, Code16K

＊All specifications are subject to change without notice.

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