



## MT500 1D Wearable Ring Scanner

With built-in Bluetooth<sup>®</sup> 5.0 technology, MT500 wireless ring scanner can send data to the host up to 20 meters away. This wearable lightweight wireless 1D barcode scanner enables hands-free scanning for mobile operators who work with laptops, tablets, smart phones or other mobile devices with iOS<sup>®</sup>, Android<sup>®</sup> and Windows<sup>®</sup>.

### Ergonomic Design for Mobile Operators

- The smallest and lightest wireless ring barcode scanner.
- Wearable design enabling hands-free barcode scanning.
- High speed scanning up to 650 scans per second.
- 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	625nm visible red LED
Sensor	Linear Image Sensor
Scan Rate	650 Scans/Sec
Resolution	4Mil / 0.1 mm
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: 39 ~ 234 mm
Physical Characteristics	
Dimension	W27.6 x L46.2 x H26.8 mm
Weight	20.5g
Color	Black
Material	PC+ABS
Connector	USB Type C
Cable	Type-C(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	< 110 mA
Standby Current	< 25mA
Battery	3.7V, 240mAh, 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
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-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 Plessey Code, UK Plessey Code, EAN/UCC 128, Telepen Code, IATA Code, GS1 Databar

\* All specifications are subject to change without notice.

