



MT500L Ring Scanner

With built-in Bluetooth® 4.1 technology, MT500L wireless ring scanner can send data to the host up to 10 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®, Android® and Windows®.

Ergonomic Design for Mobile Operators

- The smallest and lightest wireless ring barcode scanner.
- Wearable design enabling hands-free barcode scanning.
- Class1 laser and on screen barcode readability.
- Ergonomic design with touch-activated scan button.

Easy and Flexible Operations

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



* All specifications are subject to change without notice.

Optic & Performance

Light Source	3000K CCT visible white LED, 650nm visible red Laser
Sensor	Linear Image Sensor
Scan Rate	400 Scans/Sec
Resolution	4Mil/ 0.1mm
Scan Angle	41°
Pitch / Skew / Roll Angle	±30°/ ±40°/ ±20°
Print Contrast Ratio	30%
Width of Field	130 mm (13Mil Code39)
Memory	2MB (20,000 barcodes)
Typical D.O.F (@800 lux)	UPC/ EAN 13 Mil: 41 ~ 239 mm

Physical Characteristics

Dimension	W27.6 x L46.2 x H26.8 mm
Weight	20.5g
Color	Black
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	< 85mA
Standby Current	< 30mA
Power Down Current	Typ. 155uA
Battery	3.7V, 200mAh, Li-Polymer Battery
Number of Scan (per full charge)	6,000 scans (1 scan/ 5 secs, Bluetooth® connected)

Connectivity

Radio	Bluetooth® 4.1 (Class 2)
Range	33 ft/ 10M (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	FCC Part 15B Class B, Part15C, CE EN55024/32, EN301489-1-17, EN300328 V2.1.1, TELEC
Safety Approval	EN/IEC60825-1 (Class 1), FDA, EN/IEC60950-1
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 12B, 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
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