



MT582W 2D Wearable Scanner

MT582W 2D Ring Scanner, when paired with smartphone such as J2 Mobile Platform, provides hands-free freedom to user who needs to perform multi-tasks while always on the move. Drawing very little power from the host device, MT582W ensures that the connected mobile terminal can operate for a full shift with single charge.

Ergonomic Design for Mobile Operators

- Read all major 2D barcodes in the market.
- Supports both audio and visual feedback.
- Wearable design enabling hands-free 2D scanning.
- Ergonomic design with touch-activated scan button.
- Supports GS1 UDI and Dotcode.

Easy and Flexible Operations

- Indicators : LED, Buzzer
- Interfaces : USB HID, USB VCP



Optic & Performance	
Light Source	White LED, Visible red LED
Sensor	640 x 480 pixels
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)
Typical D.O.F (@800 lux)	UPC/EAN 13 Mil: 52 ~ 355mm QR Code 15 Mil: 30 ~ 250mm
Physical Characteristics	
Dimension	W27.6 x L46.2 x H26.8 mm
Weight	14g
Color	Black
Material	PC+ABS
Connector	USB Type C
Cable	90mm (USB Type C to USB Type-C)
Trigger	Touch Scan Button, Function Button
Indicator	LED, Buzzer
Electrical	
Operation Voltage	5 VDC ± 5%
Working Current	< 200 mA
Standby Current	< 15mA
Connectivity	
Interface/ Profile	USB HID, USB VCP
User Environment	
Operating Temperature	-20 ~ 60°C
Storage Temperature	-40 ~ 70°C
Humidity	0% ~ 95% RH (Non-condensing)
Drop Durability	1.5M
Sealing	IP42
Ambient Light	100,000 Lux (Sunlight)
Regulatory	
ESD	Functional after 4KV contact, 8KV air discharge
EMC	TBA
Safety Approval	TBA
Environmental	WEEE, RoHS 2.0
Symbolologies	
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, Code 11, 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.

