



MT830 2D Mini Scanner

MT830 is a 2D portable mini scanner that supports all major 2D and 1D barcodes. Built with advanced barcode scan engine and wireless technology, MT830 offers snappy 2D and 1D barcode scannability as well as freedom of mobility. MT830 2D wireless barcode scanner is an ideal choice for a variety of applications, including access control, mobile payment and logistics.

High Efficiency for All Applications

- Read all major 2D barcodes in the market
- Paired with MT613 charging cradle
- 2MB memory supports both on-line and off-line operation
- Compatible with iOS®, Android® and Windows® devices

Easy Charging and Housing



Easy and Flexible Operations

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



* All specifications are subject to change without notice.

Optic & Performance

Light Source	3000K CCT white LED, 625nm visible red LED linear aimer
Sensor	Array Image Sensor
Scan Rate	60 Frames/Sec
Resolution	4mil/ 0.1mm (Code 39) 8mil/ 0.2mm (QR Code)
Scan Angle	Horizontal 42°, Vertical 27°
Pitch / Skew / Roll Angle	±60°/±30°/360°
Print Contrast Ratio	30%
Width of Field	160 mm (13Mil Code39)
Memory	2MB (20,000 barcodes)
Typical D.O.F (@800 lux)	UPC/EAN 13 Mil : 38 ~ 319 mm QR Code 10 Mil : 49 ~ 190 mm

Physical Characteristics

Dimension	W27.5 x L68.4 x H16.2 mm
Weight	29.5g
Color	Black/White
Material	PC+ABS
Cable	Micro(M) to USB A(M) Cable, 1.5M
Trigger	Scan Button, Function Button
Indicator	LED, Buzzer

Electrical

Operation Voltage	3.7 VDC ± 5%
Working Current	< 330mA
Standby Current	< 60mA
Battery	3.7V, 400mAh, Li-Polymer Battery
Number of Scan (per full charge)	4,000 scans (1 scan/ 5 secs, Bluetooth® connected)

Connectivity

Radio	Bluetooth® 2.1 + EDR (Class 2)
Range	33 ft/ 10M (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
Ambient Light	100,000 Lux (Sunlight)

Regulatory

ESD	Functional after 4KV contact, 8KV Air discharge
EMC/RF	FCC Part 15B Class B, Part 15C, CE EN55024/32, EN301489-1-17, EN300328 V2.1.1
Safety Approval	EN/IEC62471 (Group 1), EN/IEC60950-1
Environmental	WEEE, RoHS 2.0
Medical Compliance(MT830M)	JIS Z 2801 (ISO 22196)

Symbologies

1D	UPC-A/UPC-E, EAN-8/EAN-13, Industrial 2 of 5, Codabar, Matrix 2 of 5, Code 11, Code32, Code 93, Code 128, Code 39, Interleaved 2 of 5, MSI Plessey Code, EAN/GS1-128, GS1 Databar
2D	QR Code, Micro QR Code, Data Matrix, PDF 417, Aztec



MARSON TECHNOLOGY CO., LTD.
TEL: +886-2-2218-1633
FAX: +886-2-2218-6638
Email : info@marson.com.tw

