

Mini Pocket Barcode Scanner

USB Mini Barcode Scanner

MT1095 is the smallest barcode scanner with USB connector. It can be quickly and easily integrated into kiosk and POS with dramatic efficiency in project development.

- Smallest Barcode Scanner in the World
- USB plug-and-play with no driver needed
- Compatible Interfaces via High-speed USB
- Configuration via Marson's EZ Utility
- Low Power Consumption

MT1095



2D Mini Barcode Scanner

MT1027 can be a stand-alone wireless 2D scanner; it can easily scan barcodes then in-time transfer scanned data to a server via advanced Bluetooth 4.0 or USB cable.

- Smallest Barcode Scanner in the World
- USB plug-and-play with no driver needed
- Compatible Interfaces via High-speed USB
- Low Power Consumption
- Configuration via Marson's EZ Utility

MT1027



MT1097



La+ser

MT1197M

Wireless Mini Barcode Scanner

MT1097 tends to be one of the best accessories in AIDC applications in order to complete the new trends. MT1097 is a stand-alone portable scanner which can easily transfer scanned data to a server via advanced Bluetooth or USB interface.

- Smallest 1D Wireless Barcode Scanner
- Bluetooth Transaction with Low Power Consumption
- Easy Pairing with iOS/Android/Windows
- Patented Innovative and miniaturized design

Industrial Mini Data Collector

MT1197M is the smallest pocket laser data collector with innovative class 1 Laser technology. It can read barcodes on screen, save up to 20,000 scanned data then batch transferring saved data to a master device in need.

- The First Mini "Read On Screen" Laser Scanner
- Patented Laser Engine with no Moving Part
- Adjustable Class 1 Laser Beam for Eye Protection
- Great PCS0.1 Color Barcode Readability
- Easy Pairing with iOS/Android/Windows
- Long Battery Life Supporting 10-hour Operation

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Data Collector

- * MT1027M
- * MT1197M
- * MT1097M



MT1027 / MT1027M



MT1197 / MT1197M



MT1097 / MT1097M



MT1095

Optical & Performance

Light Source	650nm visible red LED Hyper White LED	650nm visible red Laser 525 nm visible green LED	625 nm visible red LED	625 nm visible red LED
Scan Rate	2D: 60 Frames /Sec 1D: 1920 Scan lines/Sec	240 Scans /Sec(Typical) 120Scans / Sec(Laser Mode)	240 Scans/Sec	240 Scans/Sec
Scan Angle	Horizontal : 36° Vertical : 24°	46°	46°	46°
Sensor	752 x480 pixels CMOS Sensor	1000 pixels CMOS Sensor	1000 pixels CMOS Sensor	1000 pixels CMOS Sensor
Resolution	Code39: 5mil DataMatrix: 6mil	5mil	5mil/ 0.127mm (PCS=90%)	5mil/ 0.127mm (PCS=90%)
Print Contrast Ratio	30%	30%	30%	30%
D.O.F (Environment: 800 lux)	CODE-39 : Readable @ 5 mil CODE-39 : 45~165mm @ 13 mil CODE-39 : 45~190mm @ 15 mil	CODE-39 : 60~90mm @ 5 mil CODE-39 : 30~140mm @ 13 mil	CODE-39 : Readable @ 5 mil CODE-39 : 30~140mm @ 13 mil CODE-39 : 35~185mm @ 20 mil	CODE-39 : Readable @ 5 mil CODE-39 : 30~140mm @ 13 mil CODE-39 : 35~185mm @ 20 mil

Mechanical

Housing Material	ABS	PC	PC	PC
Impact Tolerance	1.2M	1.5M	1.5M	1.5M
I/O Interface	Mini USB cable: Charging Trigger 1: Scan Trigger 2: iOS keypad toggle Red LED: Power Blue LED: Wireless Connection Green LED: Good Read	Mini USB cable: Charging Trigger 1: Scan Trigger 2: iOS keypad toggle Red LED: Power Green LED: Wireless Connection Good Read	Mini USB cable: Charging Trigger: Scan Red LED: Power Green LED: Wireless Connection Good Read	USB: Data output Trigger: Scan
Cable Type	Mini USB cable	Mini USB cable	Mini USB cable	USB
Dimension	W36.8x L100.7 x H18mm	W27x L68 x H15mm	W24 xL65x H18mm	W19 x L41.8x H12.5mm
Weight	67g	27.4g	24.6g	10g

Electrical

Operation Voltage	3 VDC ± 5%	3.3 VDC ± 5%	3.7 VDC	5 VDC ± 5%
Working Current	< 300mA	< 200mA	< 150mA	< 115mA
Standby Current	< 100mA	< 45mA	< 65mA	< 60mA
Idle Current	TBD	TBD	< 100uA	< 500uA
Surge Current	TBD	TBD	< 600mA	< 600mA
Power Consumption	< 900mW	< 330mW	< 600mW	< 600mW
Data Storage* (Memory)	Nil / 20,000 data (2M)	Nil / 20,000 data (2M)	Nil / 20,000 data (2M)	Nil
Battery Type	1400mAh Lithium battery	400mAh Lithium battery	350mAh Lithium battery	Nil
Battery Life	8 hours (1 scan/ 5 sec)	8 hours (1 scan/ 5 sec)	8 hours (1 scan/ 5 sec)	Nil
Battery Charging Time	4 hours (for a fully discharged battery)	2 hours (for a fully discharged battery)	2 hours (for a fully discharged battery)	Nil
Bluetooth Class	Class 2 (10M line-of-sight coverage)	Class 2 (10M line-of-sight coverage)	Class 2 (10M line-of-sight coverage)	Nil
Bluetooth Version	Bluetooth 4.0 / 2.0	Bluetooth 4.0 / 2.0	Bluetooth 4.0 / 2.0	Nil

System & Software Function

Configuration Method	Configuration barcodes	Configuration barcodes	Configuration barcodes	Configuration barcodes Configuration Utility(EzU)
Interface/ Profile	SPP: Android, Windows, MAC HID: Android, Windows, iOS	SPP: Android, Windows, MAC HID: iOS, Android, Windows	SPP: Android, Windows, MAC HID: Android, Windows, iOS	USB (HID): Windows, MAC, Linux USB (VCP): Windows
1D Symbolologies	UPC-A/UPC-E, EAN-8/EAN-13, Industrial 2 of 5, Codabar, Matrix 2 of 5, Code 11, Code 93, Code 32, Code128, 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			
2D Symbolologies	QR Code, PDF417, Data Matrix, Maxicode	Nil	Nil	Nil
EMI Emission	Functional after 4KV contact, 8KV Air discharge			
Safety Approval	FCC Class B, CE, IEC 62471	FCC Class B, CE, IEC 62471, IEC 60825	RoHS, FCC Class B, CE	FCC Class B, CE
Ambient Light	100,000 Lux (Fluorescent Light)	12,000 Lux (Fluorescent Light)	20,000 Lux (Fluorescent Light)	20,000 Lux (Fluorescent Light)

Environment & Safety Conformance

Operating Temperature	0 ~ 50°C
Storage Temperature	-20 ~60°C
Relative Humidity	20 ~85% RH(Non-Condensing)