



MT8121B 2D Wireless Scanner

Experience seamless connectivity with the MT8121B 2D Wireless Scanner, featuring both built-in Bluetooth® and 2.4G technology. Effortlessly transmit data to your host device from up to 50 meters away using Bluetooth or enjoy extended 100-meter wireless range via 2.4G connectivity with the convenient charging base. Designed for comfort and affordability, this ergonomic scanner is your ultimate companion for daily operations.

Increasing Mobile Productivity

- User-friendly operation and ergonomic design
- Charging base provides 100 meters of 2.4G data transmission
- Capable of storing barcode data offline
- Up to 50 meters coverage with Bluetooth 5.0 technology
- Supports all 1D and 2D barcodes including GS1 Composite

Easy and Flexible Operations

- Indicators: Buzzer, LEDs
- Interfaces: 2.4G/ BT HID/ BT SPP/ BT BLE/ Memory



Optic & Performance	
Light Source	6500K White LED, 617nm Red LED
Sensor	640 x 480
Resolution	4Mil / 0.1mm (1D)
Scan Angle	Horizontal 34° Vertical 26°
Pitch / Skew / Roll Angle	±60° / ±60° / ±360°
Print Contrast Ratio	25%
Width of Field	TBA (13Mil Code39)
Memory	1751 barcodes (characters ≤500 /barcode)
Typical D.O.F (@800 lux)	UPC/EAN 13 Mil : 40 ~ 350 mm
Physical Characteristics	
Dimension	L180 x W145 x H95 mm
Weight	460g
Color	Black
Material	ABS
Cable	RJ45 to USB A(M) Cable
Trigger	Scan Button
Indicator	LED, Buzzer
Electrical	
Operation Voltage	3.3VDC± 5%
Working Current	< 300mA
Standby Current	< 60mA
Battery	3.7V, 2000mAh, Li-Polymer Battery
Number of Scan (per full charge)	> 8000 scans (1 scan/ 5 secs, Bluetooth connected)
Connectivity	
Radio	MT8121B: Bluetooth 5.0 + 2.4G MT8120B: 2.4G only
Range	2.4G: 328 ft/ 100m (line of sight) BT: 164 ft/ 50m (line of sight)
Interface/ Profile	2.4G (Cradle Mode), BT HID, BT SPP, BT BLE, Memory Mode
User Environment	
Operating Temperature	-20 ~ 50°C
Storage Temperature	-30 ~ 60°C
Humidity	0% ~ 95% RH (Non-condensing)
Drop Durability	1.8 M
Ambient Light	100,000 Lux (Sunlight)
Regulatory	
ESD	Functional after 4KV contact, 8KV air discharge
Environmental	WEEE, RoHS 2.0
Symbolologies	
1D	UPC-A/UPC-E, EAN-8/EAN-13, ISBN, ISSN, Code 128, Code 39, Code 32, Code 93, Interleaved 2 of 5, Industrial 2 of 5, Matrix 2 of 5, Standard 2 of 5, MSI, Code 11, Codabar, GS1 DataBar, GS1 Composite
2D	QR Code, Micro QR Code, Data Matrix, PDF417, MicroPDF 417, Aztec, MaxiCode, Han Xin

* All specifications are subject to change without notice.
* All copyrights of brands and logos on this website belong to their respective holders.

