



MR11 UHF Mobile Reader/Writer

MR11 UHF Mobile Reader/Writer is a compact and portable RFID solution designed for logistics, manufacturing, inventory, and asset management applications. With a smartphone-sized design, reading performance of up to 50 tags/sec, a reading distance of up to 200cm, and RFID read/write capability, MR11 enables efficient mobile tag identification and data management.

Portable UHF RFID Performance

- Smartphone-sized compact design
- Lightweight at only 98g
- Reading distance up to 200cm
- High-speed reading up to 50 tags/sec
- Supports EPC Gen2 / ISO 18000-6C
- Supports Single Read and Multiple Read
- RFID read/write capability

Long-Lasting and Flexible Operation

- 3000mAh Li-Polymer battery
- Built-in Type-C USB port
- Up to 30,000 scans per full charge
- Bluetooth 5.0 wireless connectivity
- BT HID / BT SPP / USB HID / USB VCP / Memory
- Optional MT621 Smartphone Wristband
- Configurable with Ez Utility on Windows and Android

RFID Performance	
Frequency	US 902.25 - 927.25 MHz, EU 865.7 ~ 867.5 MHz, JP 916.8 ~ 923.4 MHz
Standard	EPC Gen2 / ISO 18000-6C
RF Power	Max 22 dBm
Read Mode	Single Read, Multiple Read
Typical Reading Distance	Up to 200cm
Physical Characteristics	
Dimension	L130 x W65 x H16 mm
Weight	98g
Color	Black
Material	PC
Connector	Type-C USB Port
Cable	Type-C(M) to USB A(M) Cable, 1.5M
Trigger	Scan Button, Power Button
Indicator	LED, Buzzer, Vibrator
Electrical	
Operation Voltage	3.7 VDC ±5%
Working Current	< 800mA
Standby Current	< 65mA
Battery	3.7V, 3000mAh, Li-Polymer Battery
Number of Scan (per full charge)	30,000 scans (1 scan/ 5 secs, Bluetooth connected)
Connectivity	
Radio	Bluetooth 5.0 (Class 2)
Range	66 ft/ 20m (line of sight)
Interface/ Profile	BT HID, BT SPP, USB HID, USB VCP, Memory
User Environment	
Operating Temperature	-10 ~ 55°C
Storage Temperature	-20 ~ 60°C
Humidity	0% ~ 95% RH (Non-condensing)
Drop Durability	1.5M
Regulatory	
ESD	Functional after 4KV contact, 8KV air discharge
EMC/RF	FCC Part15C, TELEC
Safety Approval	TBA
Environmental	RoHS 2.0

* All specifications are subject to change without notice.



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