

Handheld UHF RFID Paddle

Model: MRX-P23

Product Introduction:

MRX-P23 is a portable handheld device integrating UHF RFID reading and barcode scanning, and can be used with a telescopic rod for inventory on high shelves. The device supports USB and Bluetooth (SPP) serial data transmission modes, and supports iOS, Android and Windows devices. Replaceable battery design, supports USB Type-C charging and magnetic charging. Long reading distance! High waterproof performance! Portability! Applicable for various different scenes.

Product Features:

- ✓ Built-in 3400mAh rechargeable battery
- ✓ Replaceable battery design, supports fast charging and magnetic charging
- ✓ Ergonomic design of external structure, with good grip experience
- ✓ Supports ISO18000-63 (old 18000-6C) / EPC global Class 1 Gen-2
- ✓ Working frequency 840-960MHz
- ✓ Output power 2dBm-30dBm adjustable
- ✓ Extremely long reading distance, up to 9 meters
- ✓ Software integration fast and efficient, provides SDK based on Android / iOS / Windows platform
- ✓ Supports Type-C interface communication, plug and play
- ✓ Supports Bluetooth communication, can be used with existing smart phones, tablets, PCs, etc., reducing project implementation costs
- ✓ Supports audio and light prompts
- ✓ Waterproof rating IP54, can cope with various harsh environments
- ✓ Sensitive induction, stable reading and writing
- ✓ Simple to operate and powerful functions



Industrial-Grade UHF RFID & Barcode Two in One Portable! Durable! Reliable!

>>> Suitable for <<<



Asset Management



Inventory Check



Retail Settlement



Logistic Management



Production Process Control



Supports multiple barcode types (1D/2D)



Waterproof and dustproof (IP54)



iOS



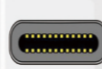
Android



Windows



Bluetooth



Type-C



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Datasheet

| | | |
|--------------|---------------------------------|---|
| Model | | P23 |
| RFID | Spec. | ISO 18000-63 (old 18000-6C) / EPC global Class 1 Gen 2 |
| | Radio frequency | 840MHz ~ 960MHz |
| | RF output power | 2dBm ~ 30dBm |
| | Output power regulation | Step by 1dBm |
| | Reading distance | 0~9m (It may vary depending on the type of smart device or RFID tags used and the usage conditions.) |
| | Reading speed | ≥900 pieces/sec (It may vary depending on the type of smart device or RFID tags used and the usage conditions.) |
| | Polarization characteristics | Circularly polarized antenna |
| | Functions | Inventory/Read/Write/Lock/Kill |
| Barcode | Scan engine | 640*480 CMOS |
| | Min. X Dimension | 2D: ≥6.67mil 1D: ≥3mil |
| | Reading distance | Barcode resolution: Distance to the front of the device EAN 13 (13mil): 105mm~680mm Code 39 (5mil): 120mm~260mm Code 39 (20mil): 65mm~800mm Code 128 (40mil): 115mm~1400mm QR Code (15mil): 80mm~250mm |
| | Reading angle | Skew motion: ±60°, Pitch: ±60°, Roll: 360° |
| | Readable code | 1D: Code 128, EAN-13, EAN-8, Code 39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ITF-6, ITF-14, ISBN, ISSN, Code 93, UCC/EAN-128, GS1 Databar, Matrix 2 of 5, Code 11, Industrial 2 of 5, Standard 2 of 5, AIM 128, Plessey, MSI- Plessey 2D: PDF417, QR Code, Micro QR, Data Matrix |
| | Light sources | White LED (Illumination); 650nm laser (Aiming) |
| Power Source | Battery capacity | 3400mAh Li-Ion rechargeable battery |
| | Charging interface | USB Type-C interface charging & Magnetic charging Input: 5V/2A |
| | Charging time | About 2 hours |
| Button | | Buttons: Mode, Power, Reset and Trigger buttons Switch: Charging switch (Control whether to charge ASR-P252B. ※ Valid only for USB Type-C interface, not magnetic charging interface.) |
| Interface | Power & communication interface | USB Type-C |
| Appearance | Dimensions (W)x(D)x(H) | 347.9 x 100.8 x 33.2mm |
| | Weight | Approx. 320g |
| | Material | PC+ABS |
| | Color | White |
| | LED indicator | Working status indicator: Blue • Waiting for connection (Blue blinks slowly) • Connected (Blue on) • Data transfer (Blue blinks rapidly) Battery status indicators: Red & Green • In charging (Red on) • Fully charged (Green) • Poor battery (Red blinks) |
| Environment | Operation temp. | -10°C ~ 45°C, 20 ~ 85 %RH (Above 0°C when charging) |
| | Storage temp. | -20°C ~ 60°C, 10 ~ 95 %RH |
| | IP rate | IP54 compliant |
| | Anti-drop | (Six-sided, 4 edges, once each) 1.5m |
| Supported OS | | iOS (Bluetooth), Android (USB & Bluetooth), Windows (USB & Bluetooth) |
| Accessories | | Magnetic charging cable |

Sled RFID Reader

Model: MRX-C3

Product Introduction:

MRX-C3 is a high-performance Ultra High Frequency RFID Reader, which supports both handheld and desktop use. The product is based on a highly integrated RFID engine ASIC design, combined with proprietary efficient processing algorithms, while maintaining a high reading rate, to achieve fast reading and writing of electronic tags. The device not only supports USB type serial and HID data transmission modes, but also supports BLE type serial and HID data transmission modes. The device can be used in conjunction with iOS and Android devices, and also supports computers running almost any operating system, such as Windows and Linux.

Product Features:

- ✓ Built-in rechargeable battery, ultra-low power design
- ✓ Supports ISO18000-6C / EPC Class-1 Gen-2 protocol
- ✓ Working frequency 840-960MHz
- ✓ Output power 1-26dB adjustable
- ✓ Read distance 0-50cm
- ✓ Supports secondary development
- ✓ Supports Android /iOS / Windows / Linux operating systems
- ✓ Supports USB and Bluetooth two communication methods
- ✓ Supports HID mode
- ✓ Type-C interface, plug and play
- ✓ Supports sound and light prompts
- ✓ Compact and portable (118 x 64 x 10.4mm)



Suitable for ALL kinds of mobile phones

>>> Suitable for <<<

Fixed Asset Management

Inventory Check

Retail Settlement

Attendance Management

Meeting Sign-in

Access Control and Anti-Counterfeiting

Production Process Control

Waterproof and dustproof (IP54)

Small and light easy to carry

iOS

Android

Windows

Linux

Bluetooth

Type-C



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Datasheet

| | | |
|---------------|---------------------------------|--|
| Model | | MRX-C3 |
| RFID | Spec. | ISO18000-6C / EPC Class-1 Gen-2 |
| | Radio frequency | 840~960MHz |
| | Output | 26dBm |
| | Reading distance | 0~0.6m |
| | Polarization characteristics | Circularly polarized antenna (internal) |
| | Functions | Inventory/Read/Write/Lock/Kill |
| Battery | Battery capacity | Built-in rechargeable lithium-ion battery 700mAh |
| | Continuous operation time | About 3 hours |
| | Power source | USB Type-C Input: 5V/1A |
| | Charging time | Less than 2.5 hours (Built-in battery) |
| Buttons | | Power, Reset, Trigger, Dip switch |
| Interfaces | Communication interface | USB Type-C (for Android Phone) |
| | Power & communication interface | USB Type-C (for PC) |
| | BLE communication interface | BLE 4.2 |
| Appearance | Dimensions (W)x(D)x(H) | 118 x 64 x 10.4mm |
| | Weight | Approx. 80g |
| | Material | PC+ABS |
| | Color | White/Black |
| | LED indicator | Operating indicator: Red & Blue <ul style="list-style-type: none">• In charging (Red on)• Charging completely (Red off)• Waiting for Bluetooth connection (Blue blinks)• Bluetooth connected (Blue on)• Bluetooth module sleeps (Blue off)• Data transfer (Blue blinks) |
| | | Battery indicators: White * 4 <ul style="list-style-type: none">• Charge at device power on (The four lights indicate the current battery level by their respective steady on and blinking.)• Light corresponding number of lights to indicate the current battery level (short press the power button when the device on). |
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| Environment | Operation temp. | -10 ~ 45 °C, 20 ~ 85 % RH |
| | Storage temp. | -20 ~ 60 °C, 10 ~ 95 % RH |
| | IP rate | IP54 compliant |
| | Anti-drop | (Six-sided, 4 edges, once each) 1.5m |
| Supporting OS | | Windows OS Android OS |
| Accessories | | USB Type-A to USB Type-C data cable, Mounting frame |

Desktop UHF RFID Reader

Model: MRX-D3

Product Introduction:

The MRX-D3 is a high-performance UHF RFID reader that can be used on a desktop or in any location where the device can be attached, such as a wall or a forklift. The product is designed based on a high-integration RFID engine ASIC and combined with proprietary efficient processing algorithms to maintain high reading rate, achieving rapid reading and writing processing of electronic tags. The device supports USB serial and HID data transmission modes. The device can be used with iOS and Android devices, as well as computers running almost any operating system, such as Windows, Linux.

Product Features:

- ✔ Supports ISO 18006C / EPC Class-1 Gen-2 protocol
- ✔ Working frequency: 840~960Mhz
- ✔ Output power: 1-26dB adjustable
- ✔ Reading distance: 0~100 cm
- ✔ Supports secondary development
- ✔ Supports Android / iOS / Windows / Linux operating systems
- ✔ USB communication, supports HID mode
- ✔ Type-C interface, plug and play
- ✔ Supports sound and light prompt
- ✔ Compact size (90 x 55 x 11.9 mm)

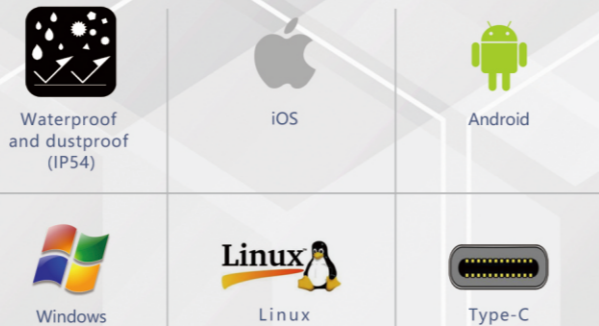


Sensitive Sensing! Stable Reading!

>>> Suitable for <<<



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Datasheet

| | | |
|---------------|---------------------------------|---|
| Model | | MRX-D3 |
| RFID | Spec. | ISO18000-6C / EPC Class-1 Gen-2 |
| | Radio frequency | 840~960MHz |
| | Output | 26dBm |
| | Reading distance | 0~1m |
| | Polarization characteristics | Circularly Polarized Antenna (internal) |
| | Functions | Inventory/Read/Write/Lock/Kill |
| Power Source | | USB Type-C Input: 5V/1A |
| Button | | Trigger button, Dip switch |
| Interface | Communication interface | USB Type-C (for Android Phone) |
| | Power & communication interface | USB Type-C (for PC) |
| Appearance | Dimensions (W)x(D)x(H) | 90 × 55 × 13mm |
| | Weight | Approx. 80g |
| | Material | PC+ABS |
| | Color | White |
| | LED indicator | [Operation Indicator] - Blue AsReader powered on (flash slowly) AsReader connected (light on) AsReader reads RFID tags (flash quickly) |
| Environment | Operation temp. | -10 ~ 45 °C, 20 ~ 85 % RH |
| | Storage temp. | -20 ~ 60 °C, 10 ~ 95 % RH |
| | IP rate | IP54 compliant |
| | Anti-drop | (Six-sided, 4 edges, once each) 1.5m |
| Supporting OS | | Windows OS Android OS |
| Accessories | | USB Type-A to USB Type-C data cable, Mounting frame |

Sled Barcode Reader

Model: MRX-C2

Product Introduction:

This product is a barcode reader that communicates with smart devices via Bluetooth BLE, allowing your smart device to become a high-performance barcode handheld terminal. The device is compatible with both 1D and 2D barcode reading, and supports iOS, Android, and Windows operating systems.

Product Features:

- ✔ Supports 1D and 2D barcode scanning
- ✔ Super small size, stylish appearance, easy to carry
- ✔ Black and white colors available
- ✔ Can be freely combined with any model of mobile phone through magnetic or velcro adsorption
- ✔ Two trigger keys for convenient scanning
- ✔ Supports Bluetooth connection to iOS and Android devices
- ✔ Supports HID and SPP protocols
- ✔ Ultra-low power consumption, supports sleep time setting
- ✔ Supports LED, beep, and vibration indication
- ✔ Supports secondary development, providing SDK
- ✔ Supports firmware upgrade through APP (iOS/Android)
- ✔ HID mode supports actively disconnecting from smart devices



Use Your Phone as a Professional PDA

>>> Suitable for <<<

Retail
✔

Factory
✔

Logistics
✔

Hospital
✔

Supports multiple barcode types (1D/2D)

Waterproof and dustproof (IP54)

Compact and lightweight (85g)

iOS

Android

Bluetooth

1D Barcode

2D Barcode

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Datasheet

| | | |
|----------------|---------------------------|---|
| Model | | C2 |
| 1D/2D barcodes | Image sensor | 640*480 CMOS |
| | Min. X Dimension | Down to 3mils |
| | Reading distance | Distance to the front of the device (Barcode resolution) EAN13: 65mm~350mm (13mils) Code39: 50mm~125mm (5mils) QR Code: 30mm~170mm (15mils) Data Matrix: 45mm~120mm (10mils) PDF 417: 50mm~125mm (6.7mils) |
| | Reading angle | Pitch: ±42°; Roll: 360°; Skew motion: ±31.5° |
| | Readable code | 1D: Code128, EAN-13, EAN-8, Code39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ITF-6, ITF-14, ISBN, ISSN, Code 93, UCC/EAN-128, GS1 Databar, Matrix 2 of 5, Code 11, Industrial 2 of 5, Standard 2 of 5, AIM128, Plessey, MSI-Plessey 2D: PDF417, QR Code, Micro QR, Data Matrix |
| Battery | Light sources | White LED (Illumination); Class 2 (650nm) laser (Aiming) |
| | Battery capacity | Built-in rechargeable lithium-ion battery 700mAh |
| | Continuous operation time | > 36 hours; >26,000 times (scan every 5 seconds, Buzzer and Vibrator on) |
| | Power source | USB-C cable |
| | Power input | 5V/1A |
| Buttons | Charging time | Less than 2.5 hours (Built-in battery) |
| | Buttons | Power, Reset and Trigger buttons |
| Communication | Interface | BLE 5.0 |
| Appearance | Dimensions(D)x(W)x(H) | 117.9 x 66.4 x 22.3 mm |
| | Weight (with Battery) | 85 g |
| | Material | PC |
| | Case color | White/ Black |
| | LED | Operating indicator: Red & Blue <ul style="list-style-type: none">• In charging (Red on)• Charging completely (Red off)• Waiting for Bluetooth connection (Blue blinks)• Bluetooth connected (Blue on)• Bluetooth module sleeps (Blue off)• Data transfer (Blue blinks) Battery indicators: White * 4 <ul style="list-style-type: none">• Charge at device power on (The four lights indicate the current battery level by their respective steady on and blinking.)• Light corresponding number of lights to indicate the current battery level (short press the power button when the device on). |
| Environment | Operation environment | Temperature: -10℃~45℃ Humidity: 20~85 %RH |
| | Charging environment | Temperature: 0℃~45℃ Humidity: 10~90 %RH |
| | Storage temperature | Temperature: -20℃~60℃ Humidity: 10~95 %RH |
| | IP rate | IP 54 |
| | Anti-drop | 1.5m (Six-sided, 4 edges, once each) *4 |
| Supporting OS | | Android, iOS, Windows |
| Bundled items | | USB charging cable (1m), Circular iron plate, Velcro. |

Mini Bluetooth Barcode Scanner

Model: MRX-H2

Product Introduction:

This product is a super mini portable Bluetooth barcode scanner, compatible with 1D/2D barcodes. The product communicates with smart phone devices through Bluetooth BLE, supports secondary development, supports HID data transmission mode, and supports iOS, Android, and Windows operating systems.

Product Features:

- ✔ Supports 1D and 2D barcode scanning.
- ✔ Super small size, stylish appearance.
- ✔ Waterproof and fall resistant, supports various environments.
- ✔ Button trigger scanning, easy to use.
- ✔ Supports Bluetooth connection to iOS, Android, and Windows devices.
- ✔ Supports HID and SPP protocols.
- ✔ Ultra-low power consumption and the sleep time can be set.
- ✔ Supports LED, buzzing, vibration indication.
- ✔ Supports one-click viewing of remaining battery capacity.
- ✔ Supports secondary development and provides Demo app and SDK.
- ✔ Supports firmware upgrade through APP (iOS/ Android).
- ✔ The HID mode supports active disconnection from smart devices.



One Device Multi-Purpose

>>> **Suitable** for <<<



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Datasheet

| | | |
|----------------|---------------------------------|---|
| Model | | H2 |
| 1D/2D barcodes | Image sensor | 640*480 CMOS |
| | Min. X Dimension | Down to 3mils |
| | Reading distance | Distance to the front of the device (Barcode resolution) EAN13: 65mm~350mm (13mils) Code39: 50mm~125mm (5mils) QR Code: 30mm~170mm (15mils) Data Matrix: 45mm~120mm (10mils) PDF 417: 50mm~125mm (6.7mils) |
| | Reading angle | Pitch: ±42°; Roll: 360°; Skew motion: ±31.5° |
| | Readable code | 1D: Code128, EAN-13, EAN-8, Code39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ITF-6, ITF-14, ISBN, ISSN, Code 93, UCC/EAN-128, GS1 Databar, Matrix 2 of 5, Code 11, Industrial 2 of 5, Standard 2 of 5, AIM128, Plessey, MSI-Plessey 2D: PDF417, QR Code, Micro QR, Data Matrix |
| Battery | Light sources | White LED (Illumination); Class 2 (650nm) laser (Aiming) |
| | Battery capacity | Built-in rechargeable lithium-ion battery 700mAh |
| | Continuous operation time | > 36 hours; >26,000 times (scan every 5 seconds, Buzzer and Vibrator on) |
| | Power source | USB-C cable |
| | Power input | 5V/1A |
| Key input | Charging time | Less than 2.5 hours (Built-in battery) |
| | Power, Reset and Trigger button | |
| Communication | Interface | BLE 5.0 |
| Appearance | Dimensions(D)x(W)x(H) | 86.8.9 x 38.2 x 16.9 mm |
| | Weight (with Battery) | 45 g |
| | Material | PC |
| | Case color | White |
| | LED | Operating indicator: Red & Blue <ul style="list-style-type: none">• In charging (Red on)• Charging completely (Red off)• Waiting for Bluetooth connection (Blue blinks)• Bluetooth connected (Blue on)• Bluetooth module sleeps (Blue off)• Data transfer (Blue blinks) Battery indicators: White * 4 <ul style="list-style-type: none">• Charge at device power on (The four lights indicate the current battery level by their respective steady on and blinking.)• Light corresponding number of lights to indicate the current battery level (short press the power button when the device on). |
| Environment | Operation environment | Temperature: -10℃~45℃ Humidity: 20~85 %RH |
| | Charging environment | Temperature: 0℃~45℃ Humidity: 10~90 %RH |
| | Storage temperature | Temperature: -20℃~60℃ Humidity: 10~95 %RH |
| | IP rate | IP 54 |
| | Anti-drop | 1.5m (Six-sided, 4 edges, once each) *4 |
| Certificates | | TBD |
| Supporting OS | | Android, iOS, Windows |
| Bundled items | | USB charging cable (1m) |

Finger-Type Barcode Scanner

Model: ASR-023B

Product Introduction:

This wearable barcode reader supports 1D and 2D codes and can be worn on the finger or attached to a glove. Easily scan barcodes by pressing the trigger with the thumb. Data read will be sent to a smart phone or tablet via Bluetooth. With both hands free, work efficiency is greatly improved.

Product Features:

- Extremely mini size, stylish appearance, and easy to carry.
- Two wearing methods to choose from, liberating both hands.
- Supports Bluetooth connection with iOS, Android, and Windows devices.
- Supports HID, SPP, and BLE protocols.
- Ultra-low power consumption, support for sleep time setting.
- Supports real-time upload data, and cache scanning mode
- Supports LED and buzzer indication.
- Supports 1D, 2D barcode scanning.
- Supports secondary development and provide SDK.
- Supports Windows system connection via Bluetooth receiver (2.4G).



Both Hands Free!

>>> Suitable for <<<



Post Express



Retail



Warehouse



Library



Pharmacy & Clinic



iOS



Android



PC



Bluetooth/2.4G



Lightweight
easy carrying



Multi-code reading
Supports multiple
barcode types (1D/2D)



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Datasheet

| | | |
|---------------|---------------------------|--|
| Model | ASR-023B | |
| Barcode | Scanning method | CMOS 1280 x 1280 pixels |
| | Reading distance | Distance to the front of the device (Barcode resolution) EAN-13: 50mm~200mm (13mils) Code39: 40mm~90mm (5mils 10bytes) QR Code: 25mm~240mm (20mils 16bytes) Data Matrix: 50mm~90mm (10mils 20bytes) PDF 417: 30mm~130mm (6.67mils 7bytes) |
| | Reading angle | Pitch: ±55°; Roll: 360°; Skew motion: ±55° |
| | Readable code | 1D: EAN, UPC, Code 11, Code 39, Code 93, Code 128, UCC/EAN 128, Codabar(NW7), Interleaved 2 of 5(ITF-6, ITF-14), ISBN, ISSN, Plessey, MSI-Plessey, GS1 Databar, GS1 Composite Code, Industrial 2 of 5, Matrix 2 of 5 2D: QR Code, Data Matrix, PDF417, Aztec, Maxicode, HanXin code |
| | Light sources | White LED (Illumination); Red LED (Aiming) |
| Battery | Battery capacity | Built-in rechargeable lithium-ion battery 400mAh |
| | Continuous operation time | > 8,000 times (scan every 0.5 s) |
| | Power source | USB cable & Magnetic detachable connector |
| | Power input | 5V/1A |
| Buttons | Charging time | About 1.5 hours (Built-in battery) |
| | Buttons | Power and trigger buttons |
| Communication | Interface | Bluetooth 4.0 (Classic HID/SPP) , BLE |
| Appearance | Dimensions(D)x(W)x(H) | 28.0 x 48.5 x 42.5 mm |
| | Weight (with Battery) | 25.1 g |
| | Material | ABS |
| | Case color | Gray |
| | LED | [Power indicator:] Red (in charging) Off (charging completely) Green (data transiting) [Bluetooth indicator] Wait for connection (Blue blinks) be connected (blue lights on) Bluetooth sleep (blue lights off) be connected with Bluetooth USB adapter PC (No indicating) |
| Environment | Operation environment | Temperature: -10℃~45℃ Humidity: 10~90 %RH |
| | Charging environment | Temperature: 0℃~45℃ Humidity: 10~90 %RH |
| | Storage temperature | Temperature: -20℃~45℃ Humidity: 10~90 %RH |
| | Anti-drop | (Six-sided, 4 edges, once each) 1m |
| Certificates | | TELEC/ FCC/ CE |
| Supporting OS | | Android, iOS, Windows |
| Bundled items | | USB charging cable, Magnetic detachable connector, Bluetooth USB adapter |