

MRX-C3S (UHF RFID Clipped Reader)



Product Introduction

The C3 SLIM is an ultra-portable UHF RFID clipped reader. With a battery-free design and innovative technology for directly powering it through a mobile phone, it can be used immediately upon taking it out. It is more environmentally friendly and lightweight, and it upgrades business efficiency. When connected to a charger, it instantly transforms into a phone power bank for uninterrupted workflow. Its magnetic interface enables instant smartphone attachment and simultaneous charging.

It supports multiple systems such as Android, iOS, Windows, and Linux, and can be controlled by computers, mobile phones, and tablets, making work more efficient! With two communication methods, Bluetooth 5.0 and Type-C, it enables stable transmission without delay and can adapt to complex environments.

It is as small as the size of a palm and supports UHF RFID reading and writing. It can handle inventory checks in warehouses, logistics inspections, and asset management all with just one device!

Key Features

- **Battery-Free Operation, Ultimate Convenience** Eliminates built-in batteries by drawing power directly from your smartphone. Wherever your phone goes, the reader follows - no power anxiety, truly non-stop operation.
- **Lightweight Design, Professional Performance** Palm-sized and ultra-lightweight for fatigue-free one-handed operation. Captures 100+ tags per second with pinpoint accuracy, effortlessly handling high-density inventory scenarios.
- **Smart Compatibility, Intuitive Operation** Fully supports mainstream iOS and Android devices. Simple app control requires zero configuration - beginners can master it instantly.
- **Versatile Application Scenarios** Excels in warehouse inventory, logistics tracking, asset management, retail operations, and beyond.

Typical Applications

- **Logistics Tracking** Accelerates inbound/outbound scanning and sorting while eliminating manual errors - boosting turnover speed and reducing mis-shipments.
- **Smart Manufacturing** Automatically records production progress and QC data for complete process traceability, improving yield rates and management efficiency.
- **Asset Management** Provides real-time location updates and precise equipment status tracking.

Specifications

Category	Item	Specifications
RFID	Spec.	ISO/IEC 18000-63 (Former 18000-6C) / EPCglobal Class 1 Gen 2
	Radio frequency	840~960MHz
	Output	1~27dBm
	Reading distance	0~4m
	Polarization characteristics	Circularly polarized antenna (internal)

Category	Item	Specifications
	Functions	Inventory/Read/Write/Lock/Kill
Power		USB Type-C port and Magnetic charging port Input: Power 20W
Buttons		Reset, Trigger
Interface	Power & communication interface	USB Type-C *Phone or power adapter supplies power to MRX-C3S via this interface.
	Charging interface	USB Type-C *The phone connected to MRX-C3S can be charged via this interface.
	Bluetooth communication interface	BT5.0
Appearance	Dimensions (W×D×H)	116 × 75 × 10mm
	Weight	Approx. 90g
	Material	PC+TPU
	Color	Black
	LED indicator	Operating indicator: Red & Blue - In charging (Red on) *Charge the phone via MRX-C3S. - Waiting for connection (Blue slow flashing) - Connected (Blue on) - Data transfer (Blue fast flashing)
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, Linux, Android, iOS

Category	Item	Specifications
Accessories		Joint connector