

CHAINWAY MR20



MR20 Wearable BT UHF Reader

Chainway MR20 is our refined and new generation of wearable Bluetooth UHF reader. Being compact and portable, it can make your work much more flexible and convenient, and even it can be operated together with gloves, wristband or lanyard. With well built-inUHF module, Chainway MR20 possesses powerful data-collection function, and its data transmission can be achieved via simple bluetooth connection to Android/iOS devices when mobility is essential. Removable battery and fast charging enable it to suit the needs of long duration. Meanwhile, the tiny device has the performance of dustproof,waterproof, shockproof and drop resistance. All of these make the tiny device can widely adapt to a wide spectrum of circumstances, such as logistics and express delivery, retail store management, warehouse management, power patrol inspection, asset management, e-commerce picking, tickets checking and charging etc, helping users free their hands and significantly improve work efficiency.



Specification

Physical Characteristics

Dimensions	50 ×60 ×18 mm / 1.97×2.36 ×0.71in.
Weight	64 g /2.26 oz. (with glove: 90 g /3.17oz.)
Color	Yellow, Blue, Gray
Port	USB Type-C
Button	ON/OFF,SCAN
Battery	1000 mAh (removable)
Charging Current	5 V /1.5 A
Charging Duration	1hours
LED Indicator	Red indicator will be ON when charging; Blue indicator will be ON when device has been fully charged; Green indicator will be ON when battery is higher than 20%; Green indicator will flash when battery is lower than 20%; Bluetooth is not paired when bluetooth indicator is OFF; Bluetooth is paired when bluetooth indicator is ON

Performance

MCU	Cortex-M3 72MHz
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Developing Environment

SDK	Android /IOS SDK Supported
Security	RFID Encrypted Module (reserve)

Communication

USB TypeC	USB connection to realize data transfer
BT	Bluetooth 5.0

User Environment

Operating Temp.	-20 °C to +50 °C
Storage Temp.	-40 °C to +70 °C
Humidity	5% RH –95% RH non condensing
Dropping	1.2m dropping on concrete
Sealing	IP65

UHF

Engine	CM-Q
Antenna parameter	Linear Polarized Antenna
Frequency	920–925 MHz /902–928 MHz /865–868 MHz
Protocol	EPC C1GEN2 /ISO18000-6C
R/W range	80 cm

*Range depends on tags and environment

Accessories (Optional)

Glove, wristband, lanyard