



MR20

Wearable BT UHF Reader

Chainway MR20 is our refined and new generation wearable Bluetooth UHF readers. Being a compact and portable device, it can be operated together with gloves, wristbands, or lanyards and make your work much more flexible and convenient. With a built-in UHF module, Chainway MR20 possesses a powerful data-collection and transmission function via a simple Bluetooth connection with Android/iOS devices. Removable battery and fast charging capability enable it to achieve work continuity for a long duration. Besides, this tiny device has the protection features like dustproof, waterproof, shockproof, and drop resistance. All these functions make the MR20 a most adaptable device in a wide spectrum of circumstances such as logistics & express delivery, retail store management, warehouse management, power patrol inspection, asset management, e-commerce picking, and tickets checking, etc. helping users free their hands and significantly improve work efficiency.



Specification

Physical Characteristics

Dimensions	50 ×62 ×19mm / 1.97×2.44 ×0.75 in.
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	1200mAh (removable)
Charging Current	5 V /1.5 A
Charging Duration	1hour
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	Impinj E510 /E310 /CM-Q
Antenna parameter	Linear Polarized Antenna (-2.2dBi)
Frequency	920-925 MHz /902-928 MHz /865-868 MHz
Protocol	EPC C1GEN2 /ISO18000-6C
Power	0.5W (27dBm, support+19-27dBm adjustable)
R/W range	80 cm

*Range depends on tags and environment

Accessories (Optional)

Glove, wristband, lanyard, charging cradle for battery

Notice: Product specifications are subject to change without prior notice. /Model: MR20 /Update Date: 2022-01-14



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