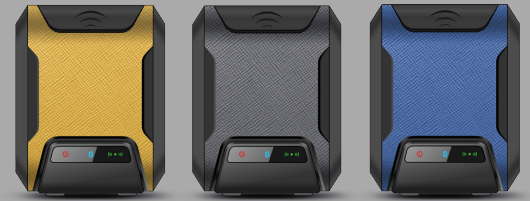


Wearable BT UHF Reader EYR20



EYR20 is our refined and new generation wearable Bluetooth UHF readers. Being a compact and portable device, it becomes a flexible and practical reading device if attached to gloves, wristbands, or lanyards.

With a built-in UHF module, EYR20 possesses a powerful data-collection and transmission function via a simple Bluetooth connection with Android/iOS devices. Removable battery and fast charging capability allow work continuity for a long duration. Furthermore, this tiny device is dustproof, waterproof, shockproof, and drop resistance. All these features make the MR20 a most adaptable device in a wide spectrum of circumstances in which having free hands is needed.



product SPECIFICATIONS

Physical Characteristics

Dimensions	50 × 62 × 19 mm / 1.97 × 2.44 × 0.75 in.
Weight	64 g / 2.26 oz. (with glove: 90 g / 3.17 oz.)
Color	Yellow, Blue, Gray
Port	USB Type-C
Button	ON/OFF, SCAN
Battery	1200 mAh (removable)
Charging Current	5 V / 1.5 A
Charging Duration	1 hours
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 Type C	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	1.2 m 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 C1 GEN2 / 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

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