

Wearable UHF Reader

EYR5

EYR5 is a newly-developed wearable UHF reader that allows for reading distance of 14m, thanks to Impinj E710 / R2000. It can be worn using a wrist strap or arm strap, or it can be attached to mobile phone, tablet and other devices through a magnet. It features removable battery, performs data transmission via Type C USB, and enables user information interaction via Bluetooth coordinated with APP or SDK. This RFID reader can be suitable for any application in which having free hands is required.



product SPECIFICATIONS

Physical Characteristics

| | |
|-------------------|--|
| Dimensions | 108mm × 78mm × 18mm |
| Weight | 200g / 7.05oz. |
| Port | USB Type C |
| Button | ON/OFF, SCAN |
| Battery | 2000mAh (removable) |
| Charging Current | 5 V / 1.5 A |
| Charging Duration | 2 hours |
| LED Indicator | Red indicator will be ON when charging; Green indicator will be ON when device has been fully charged; Blue indicator will be ON when battery is higher than 20%; Blue 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 |

Developing Environment

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

Communication

| | |
|------------|---|
| Type C USB | USB connection to realize data transfer |
| BT | Bluetooth 5.0 |

User Environment

| | |
|-----------------|-------------------------------------|
| Operating Temp. | -4°F to 122°F / -20°C to 50°C |
| Storage Temp. | -40°F to 158°F / -40°C to 70°C |
| Humidity | 5% RH - 95% RH non condensing |
| Dropping | 1.2m / 3.94ft. dropping on concrete |
| Sealing | IP65 |

UHF

| | |
|-------------------|---|
| Engine | CM710-1 module based on Impinj E710 CM2000-1 module based on Impinj Indy R2000 |
| Antenna parameter | Circular Polarized Antenna (3dBic) |
| Frequency | 920-925 MHz / 902-928 MHz / 865-868 MHz |
| Protocol | EPC C1 GEN2 / ISO18000-6C |
| Power | 1W (30dBm, support +5~+30dBm adjustable) 2W Optional (33dBm, for Latin America, etc.) |
| Max Read Range | Impinj E710 chip: 11m (Impinj MR6 tag, size 70 x 15mm) 12m (Impinj M750 tag, size 70 x 15mm) 14m (Alien H3 Anti-Metal tag, size 130 x 42mm) Impinj R2000 chip: 11m (Impinj MR6 tag, size 70 x 15mm) 8m (Impinj M750 tag, size 70 x 15mm) 9m (Alien H3 Anti-Metal tag, size 130 x 42mm) |
| Fastest Read Rate | 900+ tags/sec |

* Ranges are measured in the open outdoors and low interference environment, and rate is measured in a laboratory/low interference environment, they are affected by tags and environment.

Accessories (Optional)

Wrist strap / arm strap / magnetic handle

Headquarter

Address: Via Galliera, 219 - 40050 Funo di Argelato (BO) - Italy
Phone: + 39 051 862369
Email: info@easyrfid.it

R&D / Product Plant

Address: Via Resistenza, 7/4 - 41011 Campogalliano (MO) - Italy
Phone: + 39 059 851001

www.easyrfid.it