# BR-10
## UHF BT reader

**AXEM** Technology

RFID UHF

## Key features

- Wearable reader
- Reading distance up to 9m
- Removable battery
- Bluetooth communication

*V1.0*
*Non-contractual datasheet*

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## General specifications

| | |
|---|---|
| Dimensions | 108 mm × 78 mm × 18 mm |
| Weight | 200 g |
| Battery | 2000 mAh (removable), charging current: 5 V / 1.5 A, charging duration: 2 hours |
| I/O Ports | USB Type C |
| Keys | ON / OFF, SCAN |
| LED indicator | Red indicator will be ON when charging;<br>Green indicator will be ON when device has been fully charged;<br>Blue indicator will be ON when battery is higher than 20%;<br>Blue indicator will flash when battery is lower than 20%;<br>Bluetooth is not paired when bluetooth indicator is OFF;<br>Bluetooth is paired when bluetooth indicator is ON |

## Communication

| | |
|---|---|
| Type C USB | USB connection for data transfer |
| Bluetooth | Bluetooth 4.0 |

## User Environnement

| | |
|---|---|
| Operating temperature | -20°C to 50°C |
| Storage temperature | -40°C  to 70°C |
| Humidity | 5% RH - 95% RH non condensing |
| Protection grade | IP65 |
| Drop Specification | 1.2 m dropping on concrete |

## Data collection

### RFID  UHF

| | |
|---|---|
| Engine | Module based on Indy R2000 |
| Frequency | 920-925 MHz / 902-928 MHz / 865-868 MHz |
| Protocol | EPC C1 GEN2 / ISO18000-6C |
| Antenna | Circular Polarized Antenna (3dBic) |
| Power | 1W (30dBm, support +5~+30dBm adjustable) |
| R/W range | Up to 9 m (open outdoors) |
| Fastest reading rate | 900+ tags/sec |

## Accessories (optional)



Wrist strap / arm strap / magnetic handle

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