

System Structure



Get Started with SenseCAP M1



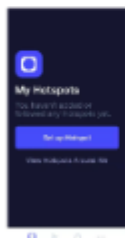
- 1** Download Helium App and create a Helium Wallet



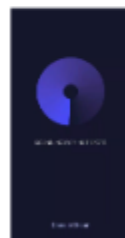
- 2** Attach antenna and power adapter, power up SenseCAP M1



- 3** Press the Button for 5 seconds until LED turns to slow flash mode



- 4** Set up hotspot and choose SenseCAP M1 from the list



- 5** Bluetooth scanning for hotspots and connect to your SenseCAP M1



- 6** Select the WiFi and enter WiFi password to connect to the network

Specifications

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|--------------------------|--|
| Processor | Raspberry Pi 4 (Broadcom BCM2711, Quad core Cortex-A72 (ARM v8) 64-bit SoC @ 1.5GHz) |
| RAM | 2GB / 4GB / 8GB |
| Storage | 64GB MicroSD Card |
| Frequency | EU868 Version: 863MHz ~ 870MHz US915 Version: 902MHz ~ 928MHz |
| Sensitivity | -125dBm @125KHz/SF7 |
| | -139dBm @125KHz/SF12 |
| TX Power | Up to 26 dBm |
| Antenna Gain | US915: 2.6 dBi |
| | EU868: 2.8 dBi |
| Antenna Impedance | 50 Ohm |

| | |
|----------------------------------|--|
| Antenna Radiation Pattern | Omni-Directional |
| Wi-Fi | 2.4 GHz and 5.0 GHz IEEE 802.11ac wireless |
| Bluetooth | Bluetooth 5.0, BLE |
| LoRaWAN | Supports Class A, C |
| Input Voltage | DC 5V - 3A |
| Interfaces | USB Type-C (Power Supply) * 1 Ethernet RJ45 * 1 RP-SMA Female Antenna Connector* 1 |
| Operating Temperature | 0°C to 50°C |
| Relative Humidity | 0% - 90% (non-condensing) |
| Heat Dissipation | Aluminum enclosure, a heatsink, and a cooling fan |
| IP Grade | IP20 |
| Certification | FCC / CE |