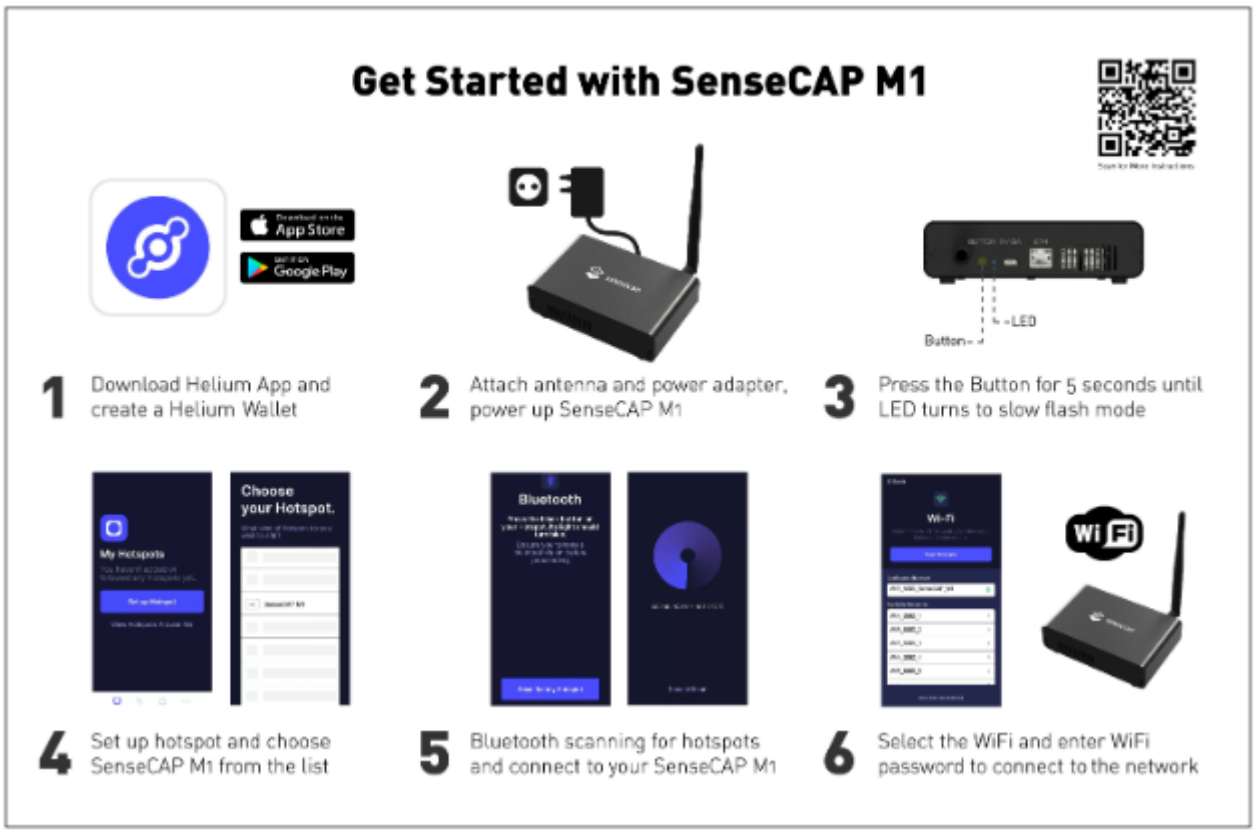
System Structure



Specifications

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