



## BoHM A Helium HNT Light Hotspot Gateway

### Overview:

BoHM A is a light hotspot gateway for HNT. Compatible with Helium LongFi, it features multiple network options including a LoRa module. It supports one of the world's first peer-to-peer wireless IoT networks based on LoRaWAN protocol, and enables long-range transmissions with low power consumption.

### Main Features:

- Single Core Cortex-A7 CPU @ 792MHz
- Compatible with Helium LongFi that combines LoRaWAN and Helium Blockchain
- Convenient set-up and easy management using a mobile phone
- Multiple network connection including Ethernet, LoRa, Wifi and Bluetooth
- Using LoRa antenna to expand coverage range
- Support OTA automatic update, stable and reliable



### Specification:

System	
CPU	Single Core Arm Cortex-A7 792MHz
Memory	512MB DDR3/DDR3L
Storage	8GB eMMC
Clipper Chip	ATECC608
OS	Buildroot

**Communication**

LAN	1 x 10M/100Mbps RJ45 LAN
LoRa	1 x LoRa Gateway, support 470MHz, 868MHz and 915MHz
WIFI & BT	1 x WIFI 2.4GHz, BT 4.2
GPS	1 x GPS module

**I/O Interfaces**

USB	1 x USB 2.0 Host, 1 x USB Type-C
PCIe	1 x Mini PCIe (LoRa)
Button	1 x Bluetooth Pairing Button
LED	1 x System LED, 1 x Status LED
Antennas	1 x LoRa Antenna (4dBi, 1m extension cable, with a strong magnetic chuck), 1 x WiFi Antenna (2.4GHz, 3dBi), 1 x GPS Antenna

**Power Supply**

Power Input	USB Type-C DC 5V Input
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**Mechanical & Environmental**

Dimension	107 x 107 x 35mm
Operating Temp.	-40°C~105°C

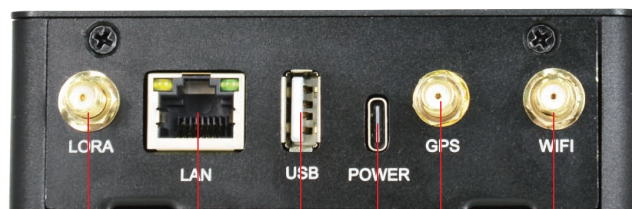
## Certificates:



## I/O Interfaces:



BT KEY      SYS &amp; STAT LED



LoRa      LAN      USB 2.0      Power      GPS      Wifi

## Antennas:



Wifi Antenna

GPS Antenna



LoRa Antenna

**ABOUT POLYHEX**

As a board level and system level designer and manufacturer, Polyhex, with 9-year experience, always delivers best-in-class embedded computing solutions based on both ARM and X86 architecture, including hardware customization and software debugging etc. Partnered with silicon vendors like Intel, NXP, ST, Rockchip, Allwinner and so on, we have earned trust from clients worldwide in over 30 countries. Polyhex is also certified with ISO9001 and ISO13485 for the self-owned manufacture facility.

