

# MerryIoT Hotspot Miner V1

Doc ver.: BQW\_03\_0040.001



## Features

- Up to 8 concurrent channels for LoRa transmission
- Built-in 2.4G 802.11b/g/n Wireless LAN
- Various Internet connections: Ethernet, WiFi(Wireless bridge)

MerryIoT Hotspot Miner V1 is designed for edge computing applications in IoT, Smart Manufacturing, Automation, Blockchain, etc., to support high performance, reliability, and high throughput for the heavy data processing demand.

MerryIoT Hotspot Miner V1 is targeting AIoT applications with quad A55 cores, G52 GPU hardware, based on Linux distribution. IoT solution providers can easily integrate advanced and stable functions for their application-centric development on their own IoT projects.

## Specification

<b>Model Name</b>	L0001
<b>Product Name</b>	MerryIoT Hotspot Miner V1
<b>Frequency Band</b>	US915 (902~928 MHz) AS923 (920~925 MHz) EU868 (862~870 MHz) AU915 (915~928 MHz)
<b>Number of Channels</b>	Up to 8 concurrent channels
<b>Wireless LAN</b>	802.11 b/g/n 2.4GHz
<b>WAN Protocol</b>	LoRaWAN
<b>Modulation</b>	Based on LoRaWAN
<b>RF Transceiver</b>	SX1302 with SX1250 / SX1308 with SX1257
<b>Transmit RF Power</b>	0.4W (up to 26 dBm)
<b>Receive Sensitivity</b>	Down to -141 dBm@SF12, BW125KHz
<b>Bluetooth®</b>	Bluetooth 5.2
<b>Operating Temperature</b>	-10°C ~ 40°C
<b>Storage Temperature</b>	-20°C ~ 70°C
<b>Power Supply</b>	12V/1~1.5A via DC jack
<b>Antenna Type</b>	1 Built-in Wi-Fi antenna, and 1 external LoRa antenna
<b>Interfaces</b>	1 LAN (1Gbps) via RJ45 1 DC jack for power input 4 LED indicators + 1 Logo LED indicators 1 Push Button 1 External TF card slot 1 External USB-A 2.0 connector 1 External LoRa antenna

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<b>Dimensions</b>	L:140 x W:110 x H:20 mm
<b>Weight</b>	450 g
<b>Type Approval</b>	FCC/IC/CE (On-going) NCC/UKCA/AU_RCM/iDA

## SKU Detail

SKU	Country	Channels	Frequency Band (MHz)	Wifi 2.4GHz channel
US	USA	8	US915 (902~928)	1~11
TW	Taiwan	8	AS923 (920~925)	1~11
EU	Europe	8	EU868 (862~870)	1~13
AU	Australia/Brazil	8	AU915 (915~928)	1~13
SG	Singapore	8	AS923 (920~925)	1~13
UK	United Kingdom	8	EU868 (862~870)	1~13