MerryIoT Light S1/S2

🛰 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 Light S1 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 Light S1 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

Model Name	L0008
Product Name	MerryIoT Light S1
Frequency Band	US915 (902~928 MHz) AS923 (920~925 MHz) EU868 (862~870 MHz) AU915 (915~928 MHz)
Number of Channels	Up to 8 concurrent channels
Wireless LAN	802.11 b/g/n 2.4GHz
WAN Protocol	LoRaWAN
Modulation	Based on LoRaWAN
RF Transceiver	SX1302 with SX1250
Transmit RF Power	0.4W (up to 26 dBm)
Receive Sensitivity	Down to -141 dBm@SF12, BW125KHz
Bluetooth®	Bluetooth 5.2
Operating Temperature	-10ºC ~ 40ºC
Storage Temperature	-20ºC ~ 70ºC
Power Supply	12V/1~1.5A via DC jack
Antenna Type	1 Built-in Wi-Fi antenna, and 1 external LoRa antenna
Interfaces	1 LAN via RJ45 1 DC jack for power input 4 LED indicators 1 Push Button 1 External USB-A 2.0 connector 1 External LoRa antenna

🛰 BROWAN

Specification

Dimensions	L:110 x W:110 x H:25 mm
Weight	400 g
Type Approval	FCC/IC/CE/UKCA

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
UK	United Kingdom	8	EU868 (862~870)	1~13

BROWAN