

Unit LoRaWAN868

SKU:U117

UNIT
LoRaWAN868



ASR6501
868MHz

UART
INTERFACE



Description

Unit LoRaWAN868 is a LoRaWAN communication module suitable for 868MHz frequency launched by M5Stack. The module adopts the ASR6501 scheme, which supports long-distance communication and has both ultra-low power consumption and high sensitivity. The module integrates the LoRaWAN protocol stack and adopts a serial communication interface (using the AT command set for control). When used, it can be used as a collection node to access a large number of gateways for data collection and management. This module is suitable for long-distance low-power IoT communication applications, such as deployment of environmental monitoring nodes.

Product Features

- ASR6501
- Operating frequency: 868MHz
- SMA antenna
- Communication interface: UART
- Command protocol: AT command

Includes

- 1x Unit LoRaWAN868

- 1x SMA antenna

| Applications

- Automatic remote meter reading
- Intelligent traffic intelligent parking lot
- Remote irrigation and environmental monitoring

| EU868 supported countries

Albania/Andorra/Armenia/Austria/Bahrain/Bangladesh/Belarus/Belgium/Myanmar/Bosnia and Herzegovina/Brunei

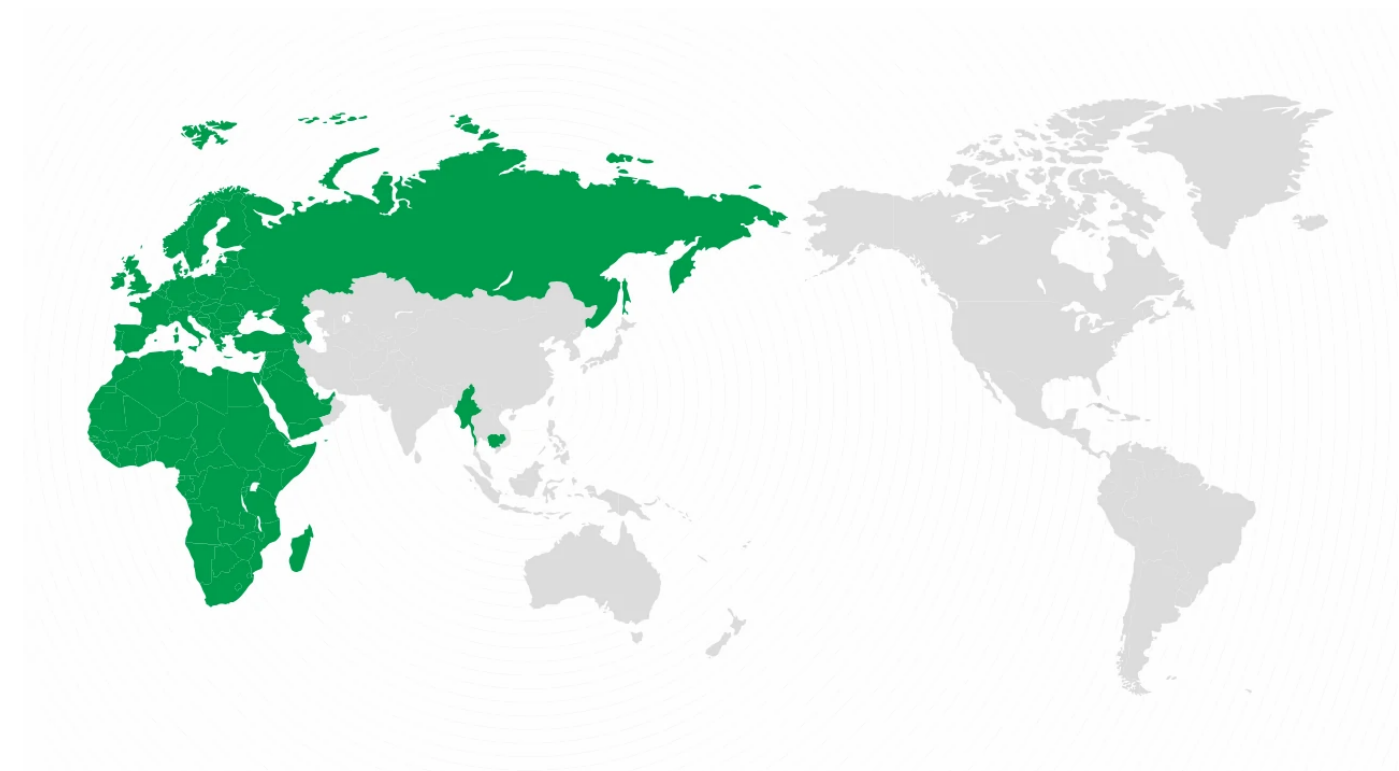
Darussalam/Bulgaria/Cambodia/Croatia/Cyprus/Denmark/Egypt/Estonia/Finland/France/Germany/Germany

Guatemala/Hungary/Iceland/Iran/Ireland/Italy/Laos/Latvia/Lebanon/Liechtenstein/Lithuania/Luxembourg/Macedonia, the former Federal Republic of

Yugoslavia/Malta/Moldova/Montenegro/Morocco/ Netherlands/Netherlands/New Zealand/Nigeria/Norway/Oman/Pakistan/Poland/Portugal/Qatar/Romania/Saudi

Arabia/Serbia/Singapore/Slovenia/South

Africa/Spain/Sweden/Switzerland/Tunisia/Turkey/Ukraine/UAE/UK/ Vietnam



| Specification

Specifications	Parameters
UART baud rate	115200
Net weight	12.8g
Gross weight	45g
Product size	54.2*54.2*13.2mm
Package size	165*60*36mm

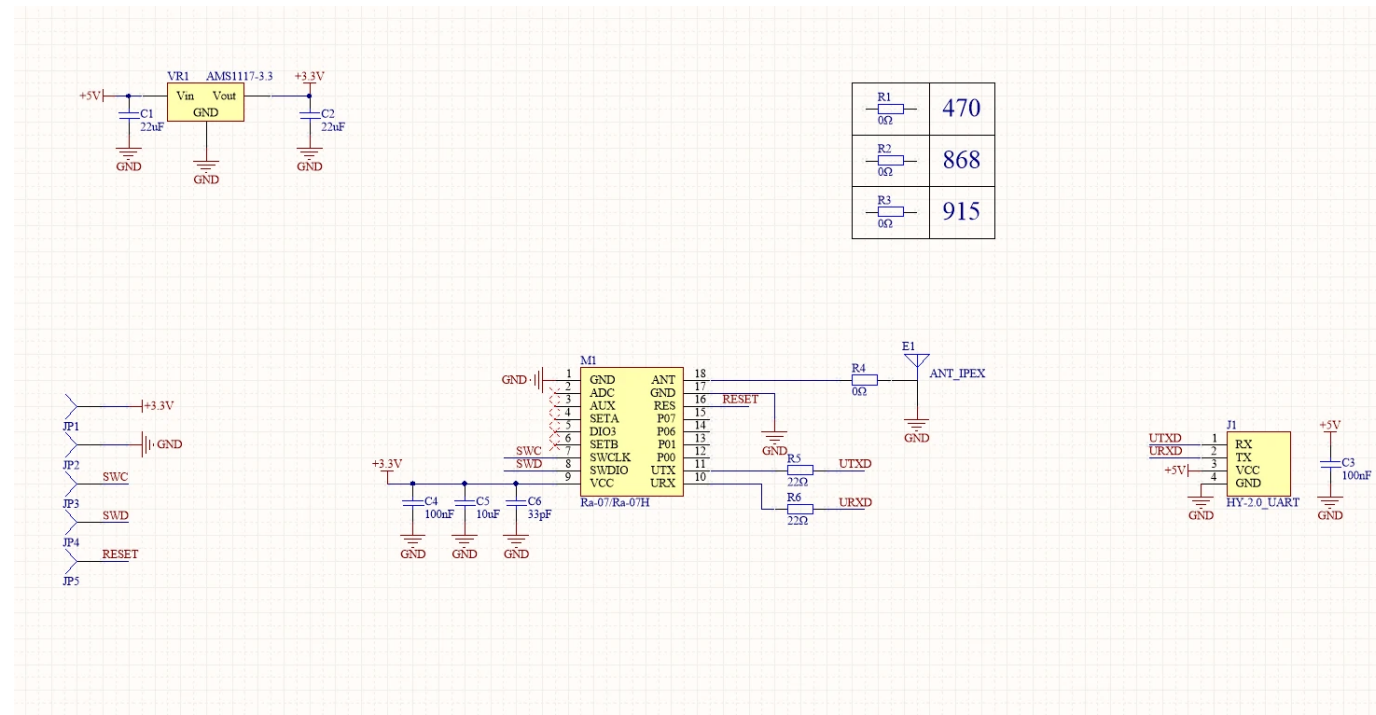
| Related Links

- [COM.LoRaWAN470 AT Command](#)
- [LoRaWAN Regional Parameters](#)

Pin mapping

M5CORE	RX	TX
Unit LoRaWAN868	G17	G16

Schematic



Example

- [Arduino code example](#)

Video

