

INDUSTRIAL PRODUCT DATASHEET

WM1302 LoRaWAN Gateway Module (USB) - US915

WM1302 LoRaWAN Gateway Module (USB) - US915: ultra-low power, high-performance LoRaWAN gateway module with SX1302, for US915 band.

SKU

114992991

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PRICE

\$29.00(Excl. VAT)



Overview

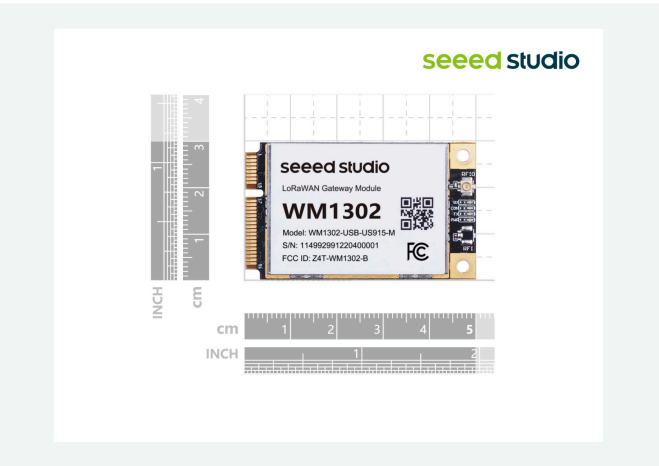


The WM1302 LoRaWAN Gateway Module (USB) - US915 is powered by Semtech® SX1302 baseband LoRa® chip, featuring extremely low power consumption, high sensitivity down to -139 dBm @SF12, and TX power up to 26 dBm. It is designed for LPWAN gateway devices development, long-distance wireless communication, and LoRaWAN application learn and research.

Key Features

- **Powered by Semtech® SX1302 baseband LoRa® chip**, extremely low power consumption, and high performance.
- **Mini-PCle form factor with the standard 52-pin golden finger**, easy to integrate with various gateway devices.
- **Ultra-low operating temperature**, no additional heat dissipation needed, reducing the size of LoRaWAN gateway.
- **High sensitivity** down to -139 dBm @SF12 with SX1250 TX/RX front-end; TX power up to 26 dBm @3.3V.
- **Certified with CE, FCC**. Simplify the final product certification process.

Product Gallery



Specification

Region	EU868	US915
Frequency	863-870MHz	902-928MHz

Region	EU868	US915
Sensitivity	-125dBm @125K/SF7 -139dBm @125K/SF12	-125dBm @125K/SF7 -139dBm @125K/SF12
TX Power	26 dBm (with 3.3V power supply)	25 dBm (with 3.3V power supply)
LEDs	Power: Green Config: Red TX: Green RX: Blue	
Form Factor	Mini PCIe, 52pin Golden Finger	
Power Consumption (SPI version)	Standby: 7.5 mA TX maximum power: 415 mA RX: 40 mA	
Power Consumption (USB version)	Standby: 20 mA TX maximum power: 425 mA RX: 53 mA	
LBT(Listen Before Talk)	Support	
Antenna Connector	U.FL	
Operating Temperature	-40°C to 85°C	
Dimensions	30 mm (width) × 50.95 mm (length)	
Certification	CE	

Applications

- **LPWAN Gateway devices development**
- **Any long-distance wireless communication application development**
- **Long Range and LoRaWAN application learn and research**

Compliance & Logistics

HSCODE	8517799000
USHSCODE	8517620090
UPC	
EUHSCODE	8517180000
COO	CHINA

Resource Links

- <https://www.seeedstudio.com/WM1302-LoRaWAN-Gateway-Module-Without-SX1262-USB-US915-p-5602.html>
- [Semtech SX1302 Datasheet](#)
- [Pinout Detail](#)

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