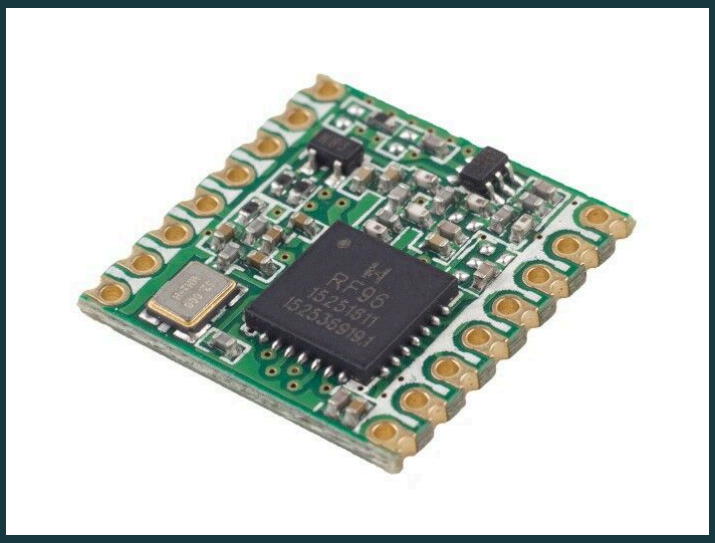
seeed studio

INDUSTRIAL PRODUCT DATASHEET

RFM95 Ultra-long Range Transceiver LoRa Module, 868MHz Frequency

RFM95 868MHz LoRa Module with 168 dB link budget and -148 dBm sensitivity for ultra-long-range communication.

SKU	UPDATED	PRICE
109990166	2026-09-07 02:57:00	$9.00(Excl. VAT)



Overview



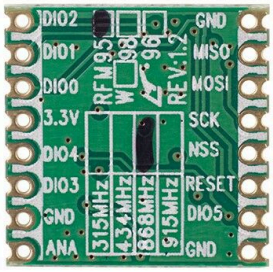
The RFM95 Ultra-long Range Transceiver LoRa Module operates at 868MHz and features a LoRa™ modem with a 168 dB maximum link budget and high sensitivity down to -148 dBm. It supports +20 dBm constant RF output, programmable bit rates up to 300 kbps, and multiple modulations including FSK, GFSK, MSK, GMSK, LoRa™, and OOK.

Key Features

- LoRa™ Modem.
- 168 dB maximum link budget.
- +20 dBm - 100 mW constant RF output vs. V supply.
- +14 dBm high-efficiency PA.
- Programmable bit rate up to 300 kbps.
- High sensitivity: down to -148 dBm.
- Bullet-proof front end: IIP3 = -12.5 dBm.
- Excellent blocking immunity.
- Low RX current of 10.3 mA, 200 mA register retention.
- Fully integrated synthesizer with a resolution of 61 Hz.
- FSK, GFSK, MSK, GMSK, LoRa™ and OOK modulation.
- Built-in bit synchronizer for clock recovery.
- Preamble detection.
- 127 dB Dynamic Range RSSI.
- Automatic RF Sense and CAD with ultra-fast AFC.
- Packet engine up to 256 bytes with CRC.
- Built-in temperature sensor and low battery indicator.
- Module Size：16*16mm

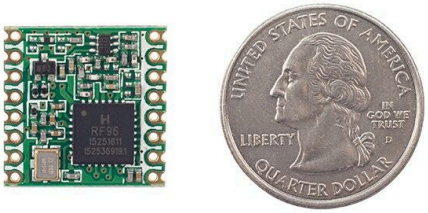
Product Gallery











Part List

RFM95 Ultra-long Range Transceiver Module/LoRa Module/support 868M frequency	1

Compliance & Logistics



HSCODE	8517709000
USHSCODE	8517620010
UPC	841454119968
EUHSCODE	8517180000
COO	CHINA

Resource Links

- https://www.seeedstudio.com/RFM95-Ultra-long-Range-Transceiver-Module-LoRa-Module-support-868M-frequency-p-2807.html
- RFM95_96_97_98_DataSheet
- Resource

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