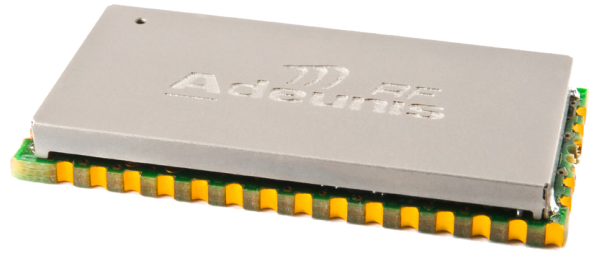


Si868-25mW Module

Highlights

- Range up to 15 km
- Connection to Sigfox network
- Very low power consumption
- RF sensitivity up to -126dBm
- Extremely robust radio link
- «Adeunis RF» form factor and pinout



RF Module optimized for **very long range/low consumption applications**.

The implementation of the UNB technology allows communication with the **SIGFOX network**.

This module is particularly suitable for applications like Internet of

things (IoT), sensor networks, environment, intelligent buildings, metering, security or M2M.

This module, available as «**Ready-to-use**», focuses on **ease of integration** even for non RF specialists, thus limits technological risks, while **reducing the development time and cost**.

Performances

Range : up to 15 km
Power : 25mW
Radiated RF power : 14dBm
Sensitivity : -126dBm
Frequencies : 868.2MHz
RF data rate : 100 bps
Modulation : SIGFOX

Hardware

Interfaces : UART
Microcontroller : STM32 ARM Cortex-M3
RF chip : TI CC1120

Firmware

SIGFOX Network gateway

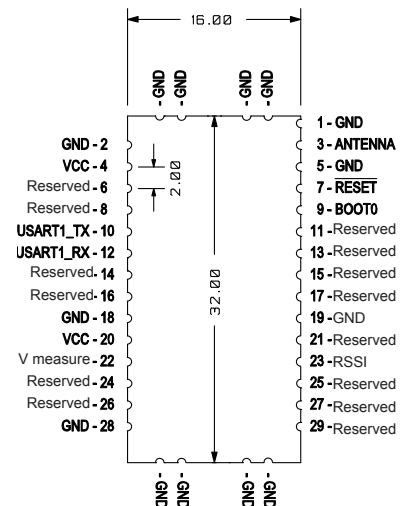
Consumption & needs

Operating voltage : 2.4 - 3.6V
Consumption (stdby) : <5 μ A
Consumption (RX) : 40mA
Consumption (TX) : 65mA (@14dBm)

General information

Dimensions : 32 x 16 x 3mm
Weight : 3 g
Operating temperature : -40°C /+85°
Certified EN300-220 V2010
SMD mounting

Pin configuration & Dimensions



Reference

- **ARF7764AA** : Si868-SIGFOX 25mW RF Module