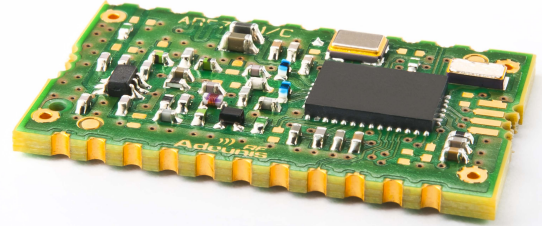


PE868-25mW Module

Highlights

- 868MHz RF Module
- Very low consumption
- Up to 2km range
- 25mW / 14dBm
- License free frequencies 863-870MHz



The **PE868-25mW Power Efficiency** is a RF transceiver which allows to implement data transmission over long distances while maintaining **very low power consumption**.

This module uses **license-free frequencies** and enables a two-way digital link over a range **up to 2 km** (line of sight).

This is an ideal product in the **application** framework requiring **battery, solar panel** or **energy harvesting** power supply.

Available in «Ready-to-use» version, this module focuses on **ease of integration**, even for non RF specialists, **thus limits technological risks, development time and costs**.

The **Adeunis RF modules** have been certified by a notified organization as being compliant with the **2012 version of the RTTE European Directive EN300-220** radio standard.

Performances

Range : up to 2 km
Power : 25mW
Radiated RF power : 14dBm
Sensitivity : -117dBm
Frequencies : 863-870MHz
RF data rate : 4.8 to 115.2 kbps
Serial data rate : 1.2 to 115.2kbps
Modulation : GFSK

Hardware

Interfaces : UART
Microcontroller : Si1002
RF chip : Si1002

Firmware

Transparent Mode
Addressed Mode
Packet mode
Repeater mode

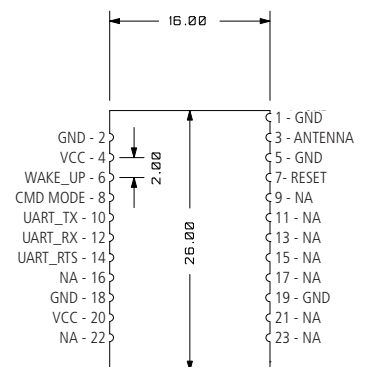
Consumption & needs

Operating voltage : 2-3.6V
Consumption (stdby) : <1 μ A
Consumption (RX) : 22mA
Consumption (TX) : 37mA (14dBm)

General information

Dimensions : 26 x 16 x 3mm
Weight : 3 g
Operating temperature : -40°C /+85°C
Certified EN300-220 V2010
SMD mounting

PACKAGING DIMENSIONS AND PIN CONFIGURATIONS



Reference

- **ARF7930AA** PE868-25mW RF Module