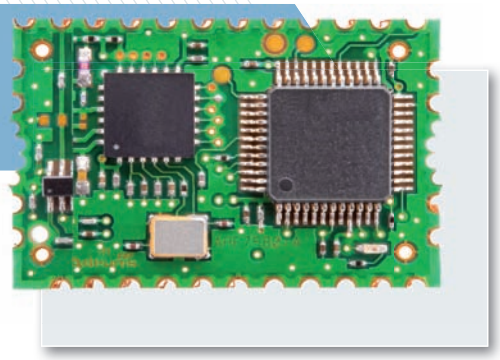
TWIMO LP868

RF module - 10mW - 863 - 870MHz



ARF LP868, the Low-Consumption RF modules, part of **TWIMO** family, the new range of ADEUNIS RF's Wireless modules.

LP868

Low-Consumption RF module with embedded **STM32 ARM Cortex-M3** micro-controller.

Very compact (16 x 26mm), the **TWIMO LP868** is pin-to-pin and software **compatible** with the other family members which provides seamless flexibility to your development.

Available in **«Ready-to-use»** or **programmable** version, this module uses **license-free frequencies** and offers an **extremely robust wireless link**, up to **300m**.

The **TWIMO LP868** modules have been certified by a notified organization as being **compliant** with the 2010 version of the **RTTE European Directive EN300-220** radio standard.

Part numbers

ARF7579	**TWIMO** Module LP868-RTU – 10mW – 863 - 870MHz

OTHER REFERENCES

ARF7581	**TWIMO** Module HP868-RTU – 500mW – 869,525Mhz
ARF7580	**TWIMO** Module MP868-RTU – 50mW – 863 - 870MHz
ARF7690	**TWIMO Starter Kit**

Technical specifications

Hardware Information

Interfaces: UART (x1), SPI (x1)

A/D & D/A converters
PWM timers
Dimension: 16 x 26mm
Operating voltage: 3-3.6V
Operating temperature: -20°C to +70°C
Consumption (Sleep): 3µA
LED status indicator
Micro-controller: STM32 ARM Cortex-M3
RF chip: Semtech SX1211
Mounting: SMD

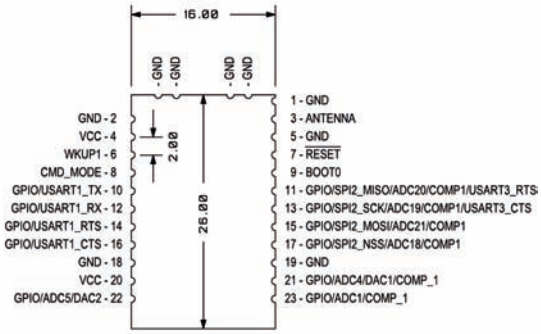
Software & provided APIs

Synchronous (TDMA)
Asynchronous
Transparent mode
Addressed mode
Repeater mode
Low Power mode
Secure mode
Serial bootloader
Adjustable packet size: up to 255 bytes

Wireless Interface

RF pin
Frequency: 863 - 870MHz
Modulation: GFSK
RF data rate: 10/38.4 kbps
RF output power: 10dBm
RF sensitivity: -107dBm

Pin configuration & Dimensions



TWIMO LP Modules

V2

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