ARM NANO

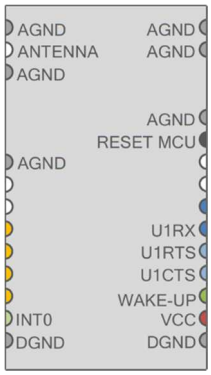
SERIAL COM PORT o LOW POWER o FLEXIBLE

SIGFOX READY

THE ARM-NANO FAMILY

The ARM-NANO is a new family of modules that have been designed to offer high radio performances, low power consumption and large variety of radio technologies:

- Sigfox™
- LoRaWan®
- Local Modbus



Flexibility: The whole product line has the same footprint

Low Power: Our modules can be powered with a battery.

Range: A link budget up to 161 dBm. This allows you to have a range (Line-Of-Sight) more than 25km !

Adapters: ATIM provides a complete range of shields and evaluation boards: Raspberry PI® interface, Arduino®-interface, « The Airboard® » shield, « LoRaBee shield », USB Key and Mini PCI Express

Technical features

Dimensions	30 x 18 x 2,5 mm
Radio Regulation	EN 300 220 V2.4.1
Operating Temp	-30°C to +70°C
Modulation	2GFSK/BPSK (Sigfox)
Sensitivity	-143dBm @BER10^{-3}
Range	>25 km (LoS)
Frequency	863 – 870 MHz
Output power	25 mW (14 dBm)
Data rate	100 bit/s to 115,2 Kbit/s
Radio consumption (Tx)	50 mA
Sleep consumption	1,5 µA
Radio consumption (Rx)	24 mA
Interface	UART low level
SMD Mounting	

Reference

- ARM-N4 (433)
- ARM-N8 Sigfox
- ARM-N8 LoRa
- ARM-N8 LP
- ARM-N8 LD

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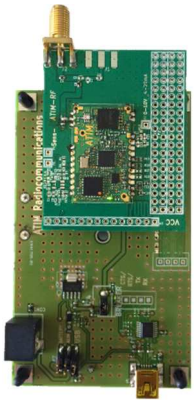
ATIM RF SHIELDS

Adapters for the ARM-NANO family

Name	*ACW-RPI*	*SigBee® LoraBee®*	*ACW-MPCIE*	*ACW-DUINO*	*ACW-USB*	*ACW-SDK*
Adapter Type	Raspberry Pi	XBee	Mini PCI-Express	Arduino	USB Dongle	USB
Supported RF Modules	ARM-Nano 868 MHz / Lora / Modbus / Sigfox					
Provided driver	Yes, Debian	No	No	Yes	Yes	Yes, FTDI Driver
Interfaces	UART	UART	UART	UART	USB	None
Antenna	External SMA	External SMA	External UFL	External SMA	External SMA	External SMA
Power	3.3 V	3.3 V	3.3 V	3.3 V	-	USB/5V/AA
Picture						
Dimensions (mm)	67x35x13	50x25x13	50x30x4	70x53x13	73x22x10	125x60x38

Try the Atim Cloud Wireless® A dedicated Web platform for the entire ATIM ACW line of products. Makers, Get Ready !

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PRODUCT LINE

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AND EVERYWHERE...

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