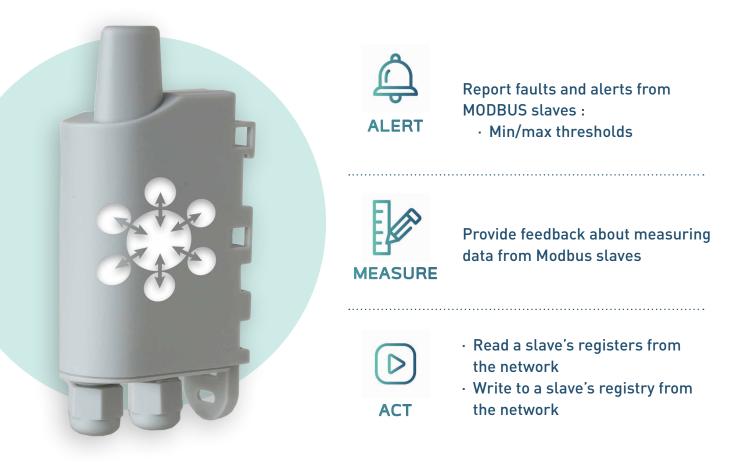




## Query, write and read one or more registers on one or more Modbus slaves.





- Periodic/event transmission (up to 6 frames with different frequencies)
- Slave management: read and write
- Error/fault management: product error warning, configuration error
- Alarm repetition in case of persistent event
- Indicator lights for installation assistance



Make your thermal energy meters communicate.



Broadcast information on PLC.

## TECHNICAL SPECIFICATIONS





## LoRaWAN ARF8240AA | Sigfox ARF8240CA

Mechanical specifications	
Weight	97 g
Dimensions	105 x 50 x 27 mm
Enclosure	IP67, EMERGE™ PC 8731HH grey resin (casing), EMERGE™ PC 8430-15 transparent resin (sole)
Mounting	DIN Rail, Tube, Wall, Collar
Cable length	2 cable of 6 wires (70 cm + 10 stripped wire)
Modbus Protocol	Remote Terminal Unit (RTU)
Operating conditions	
Temperature	-25°C / +70°C
Humidity	0 to 85% RH (non-condensing)
Device Power Supply	
Alimentation	External supply 6-30V continuous
Slave supply management	Monitor the supply of the slave
Current max returned to the sensor	500 mA
Device configuration	
Local device configuration	IoT Configurator
Test Read and Write into slaves	Advanced mode of the IoT Configuration
Remote device configuration	Downlink via the network or via the KARE platform
Security	PIN/PUK Code protection
Radio/Wireless	
Supported regions	LoRaWAN EU863-870 / Sigfox RC1
Wireless Security	AES-128 data encryption (LoRaWAN only)
Class	LoRaWAN: Class A or C   Sigfox: Class 0
Supported LoRaWAN features	OTAA, ABP, ADR, adaptive channel setup
RF transmit power	14 dBm
Sensitivity	-137 dBm LoRaWAN @SF12 -124 dBm Sigfox
Regulations and certifications	
Standard	Directive 2014/53/UE (RED)

RS232 Link	
Signals	RX, TX, Ground (RTC and CTS are not handled)
Voltage of inputs/outputs	+/- 5V typ, +/- 15V max
RS485 Link	
Signals	TX-, RX-, RX+; TX+, Ground
Voltages on inputs/outputs	+/- 1.5V typ, 3V differential
Polarization resistors	560 Ohms
Termination resistor	120 Ohms

