

Field Test Device

Qualify and validate the network coverage on a site



TEST

- Ensure the good positioning of your connected sensors
- Determining the correct position of a gateway



MEASURE

- Check your network's coverage
- Choose the most appropriate network



Additional features:

- **Data transmission:**
 - periodical
 - on event via push-button
- **Simplified screen** for ease of use (LoRaWAN)
- **Data storage:** up to 100 measurements stored locally and downloadable via USB (LoRaWAN)

Built-in antenna mode: emulate a device with a PCB antenna (LoRaWAN)



Check the availability of a operated network for its objects.



Optimise the positioning of the gateway(s) for the implementation of a private network.

TECHNICAL SPECIFICATIONS



LoRaWAN ARF8123AA | Sigfox ARF8121AA

Mechanical specifications

Weight	140 g (battery included)
Dimensions	180 x 72 x 21 mm
Enclosure	"Unit: ABS GP22 + Black Colouring Lexan: Autotex Polycarbonate Antenna: Thermolast K
Screen	Black & White with retro lighting

Operating conditions

Temperature	-20°C / +40°C
Humidity	0 to 85% RH (non-condensing)

Device Power Supply

Battery Type	Lithium-Ion 3.7V 2Ah 7.4Wh, rechargeable
Supply	External supply with Micro-USB connector - 5V, 500 mA

Device configuration

Local device configuration	IoT Configurator
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Radio/Wireless

Supported regions	LoRaWAN EU863-870 / Sigfox RC1
Frequency	ISM band 865-870MHz
Wireless Security	AES-128 data encryption (LoRaWAN only)
Class	LoRaWAN: Class A Sigfox: Class 0
Supported LoRaWAN features	OTAA, ABP, ADR, adaptive channel setup
RF transmit power	14 dBm (25 mW)
Sensitivity	-140 dBm LoRaWAN EU868 @SF12 -126 dBm Sigfox RC1

Regulations and certifications

Standard	Directive 2014/53/UE (RED)
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GPS

Latitude	Latitude coordinates in degrees, minutes, seconds
Longitude	Longitude coordinates in degrees, minutes, seconds

