

FTD

Qualify and validate your network.



TEST

- Ensure the good positioning of your connected objects
- 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
- **Data storage:** up to 100 measurements stored locally and downloadable via USB

Built-in antenna mode: emulate a device with a PCB antenna



Check the availability of a operated network for its objects.



Test the feasibility of a tracking project.

TECHNICAL SPECIFICATIONS



LoRaWAN US915 ARF8124AA | LoRaWAN AS923 ARF8124CA | Sigfox RC4 ARF8122BA

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

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

Device Power Supply

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

Device configuration

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|----------------------------|------------------|
| Local device configuration | IoT Configurator |
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Radio/Wireless

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|----------------------------|---|
| Supported regions | LoRaWAN US902-928 / LoRaWAN AS923 / Sigfox RC4 |
| Frequency | LoRaWAN US902-928: ISM band 902-928 LoRaWAN AS923: ISM band 923-923.5 Sigfox RC4: ISM 920 - 923 |
| Wireless Security | AES-128 data encryption (LoRaWAN only) |
| LoRaWAN Class | Class A |
| Supported LoRaWAN features | OTAA, ABP, ADR, adaptive channel setup |
| RF transmit power | LoRaWAN US902-928: +18 dBm LoRaWAN AS923: +16 dBm Sigfox RC4: +23 dBm |
| Sensitivity | -136 dBm LoRaWAN @SF12 -122 dBm Sigfox |

Regulations and certifications

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| Standard | AUS/NZ: IEC 62368-1(safety) / AS/NZS 4268:2012 US: FCC- Title 47 CFR Part 15 CANADA: RSS-247 Issue 2 |
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GPS

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

