FTD

adeunis
IOT PRODUCTS & SOLUTIONS

Qualify and validate your network.

TEST

· Ensure the good positioning of your connected objects
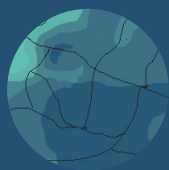· Determining the correct position of a gateway

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 displayed:** UL/DL - Channels - RSSI/SNR/PER - GPS - Temperature

Check the availability of a operated network for its objects.

Test the feasibility of a tracking project.

TECHNICAL SPECIFICATIONS

LoRa Alliance Certified

| 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	
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

Radio/Wireless	
Supported regions	LoRaWAN US902-928 / LoRaWAN AS923-1 / Sigfox RC4
Frequency	LoRaWAN US902-928: ISM band 902-928 LoRaWAN AS923-1: 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 AS923-1: +16 dBm Sigfox RC4: +23 dBm
Sensitivity	-136 dBm LoRaWAN @SF12 -122 dBm Sigfox

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

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