

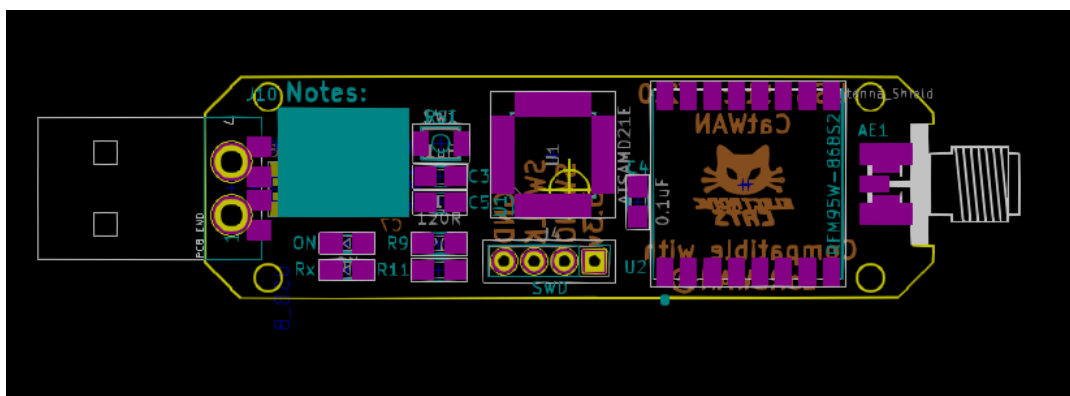
CatWAN USB-Stick compatible with LoRa and LoRaWAN™ with Cortex M0+.

General description

Are you interested in learning how LoRa works at the package level? Debugging your own LoRa hardware and trying to detect where something is wrong? Or maybe you're writing a custom application for your Internet of Things (IoT) network with LoRaWAN? We have the perfect tool for you!

Features

- Works with any PC, Raspberry Pi or Beagle Bone, even a smartphone or tablet.
- Supports packet mode LoRa® (package mode) or LoRaWAN™ Class A, B and C.
- Compatible with The Things Network and other LoRaWAN™ networks.
- Based on the RFM95.
- RX LED as reception indicator, programmable by the user.
- Easy reprogramming compatible with Arduino and Circuit Python.
- Open Source.



Specifications

- Based on the SAMD21 microcontroller, SAMD21E18A.
- Connectivity: USB 2.1
- Power Consumption: 140 mA typical TX, 20 mA idle (with power LED)
- Dimensions: 80 mm x 25 mm x 12 mm (without antenna and case)
- Frequency band of 915 Mhz
- LoRa® Modem
- Receiver Sensitivity: down to -148 dBm
- TX Power: adjustable up to +20 dBm
- Range: up to 15 km coverage in suburban and up to 5 km coverage in urban areas

Applications

- Automated Meter Reading.
- Home and Building Automation.
- Wireless Alarm and Security Systems.
- Industrial Monitoring and Control
- Long range Irrigation Systems
- Single channel LoRaWAN™ gateway

**ELECTRONIC
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