SMARTALY

LORA MULTI-CHANNEL BASE STATION

The Lora multi-channel base station can be use in private or telco operated network to make the link between IOT Lora based devices to internet. It can also be used as repeater to the LORA operated network.
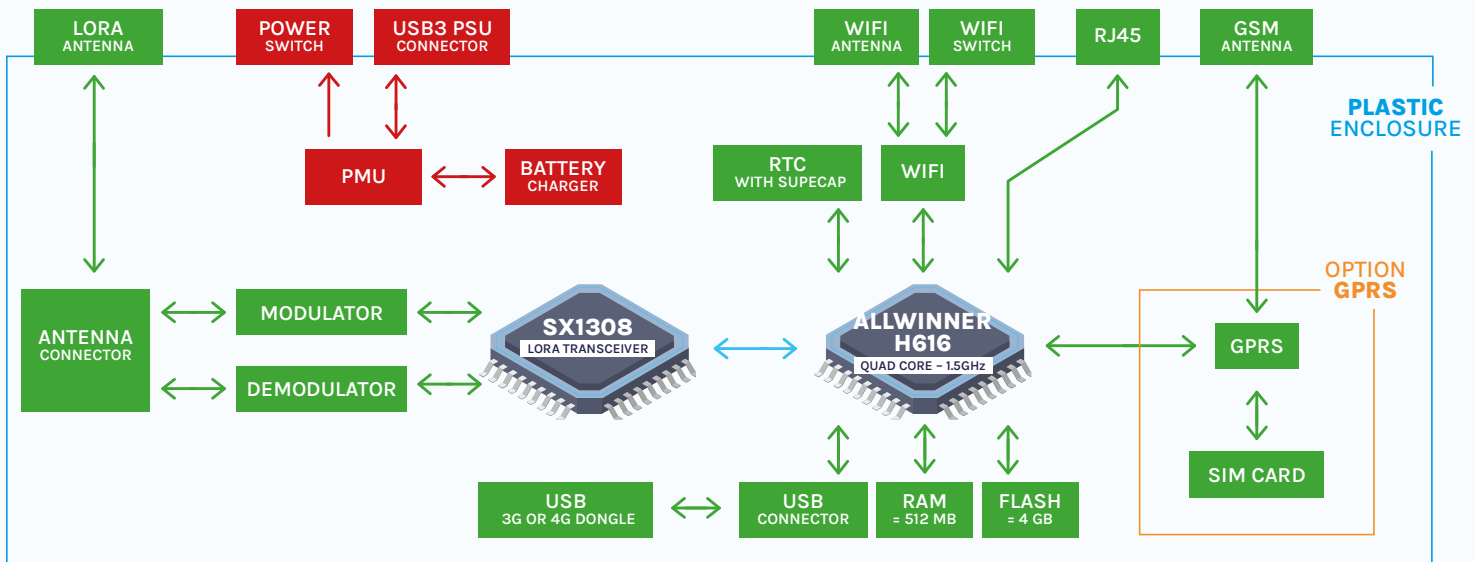
It is Linux based so customers can easily add their own capabilities.

FEATURES

LORA network compliant base station

8 Lora channels + 1 FSK Channel

Linux based base station. Customer can embedded its own software

Low cost design

Back-up battery to continue to operate even in case of electricity shut down

BOM Highly Optimized

Product Size in mm (without external antennas) : 127 x 105 x 30

Operating temperature : -20 to +55 DEGC

RF Sensitivity : -142 DBm

RF Power : +20 dBm

Radio band : 868 MHz (LORA)

BLOCK DIAGRAM

DELIVERY

Schematics   AllWinner Firmware

Layout   SX1308 Configuration

eBOM
  └ Production files (PCB Structure, Component placements for SMT production machines…)
  └ Test program with test bench for manufacturing

ASSOCIATED SERVICES

We can provide customization services either on the hardware or on the embedded software or on the mechanical design.

We can manage for you the EMS in charge of the production of the device.