

RL78 Ecosystem Partner Solution DTDS-622C LoRa® Modem



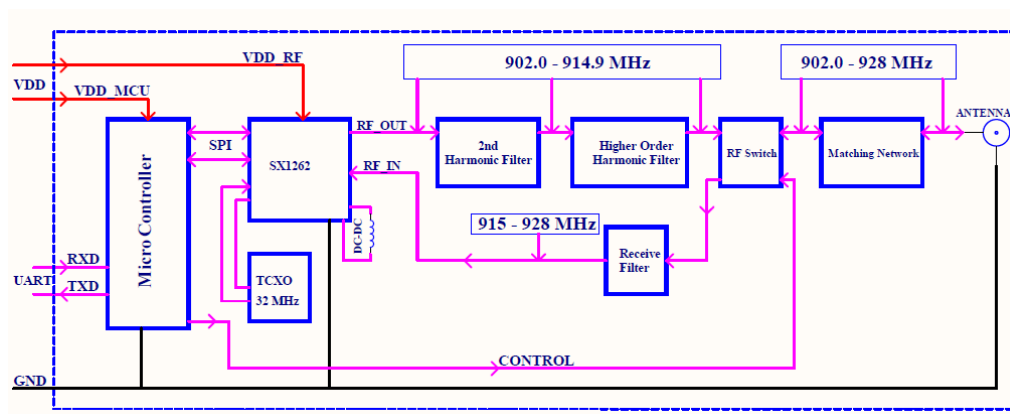
Solution Summary

DTDS's 622C Module is built based on Renesas [RL78/G13](#) Family microcontroller running the Renesas LoRaWAN® stack and SEMTECH® SX1262 LoRa® communications device. The module is easily interfaceable to a host controller over AT commands.

Features/Benefits

- Supports LoRaWAN® Class A, Class B and Class C protocols
- Available in all global frequency plans US/AU/AS/EU/IN/ID/KR/JP etc.
- TCXO enabled stable clock
- Antenna matching network for a 50 Ohms termination is provided as a part of the module
- Operating temperature range -40 deg C to +85 deg C
- The module can be operated independently without a host
- FCC certified

Diagrams/Graphics



Target Markets and Applications

- Metering (Energy, Gas, Water)
- Smart home
- Industrial
- Smart cities
- Smart buildings
- Smart agriculture

DTDS

DTDS group has diversified businesses in many verticals through its subsidiaries and associate organizations which focuses on entire ecosystem in Electronics Industry.

Prime focus areas are

- Electronics components Distribution
- Independent Design House (IDH)

DTDS Solution Team provide customize electronics design in the area of IoT, Power management and renewable energy applications. Our design include LoRa module, Temperature and humidity sensor, Vibration sensor, Smart water meter, Inverter motor control board

DTDS high voltage lab (HV Lab) in Singapore provide support to customer motor control requirement. DTDS HV lab equips with the necessary testing equipment like AC source, isolated HV current and voltage probe, oscilloscope for motor control and inverter testing

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