

DTDS

RL78 Ecosystem Partner Solution DTDS's 622 Module for LoRa® Communications



Solution Summary

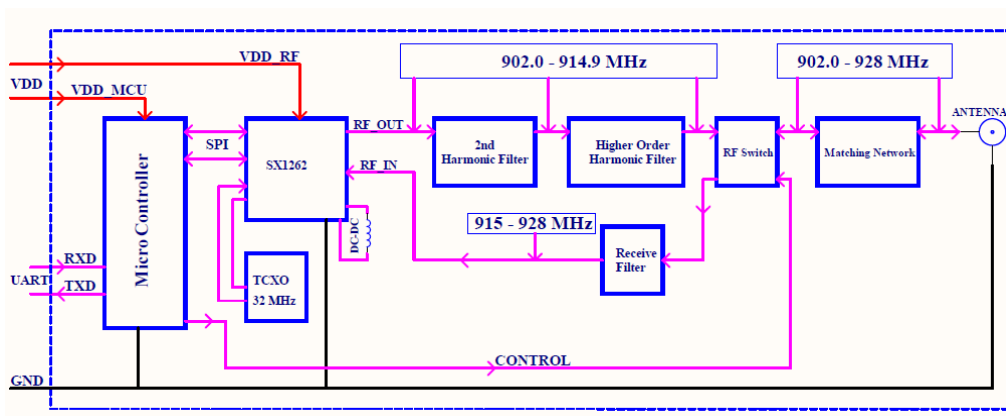
DTDS's 622 Module is built based on RENESAS [RL78 G13](#) family microcontroller running the RENESAS LoRaWAN® stack and SEMTECH® SX1262 LoRa® communications device. The module is easily interfaceable to a host controller over AT commands.

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 Buildings
- Smart Home
- Smart Agriculture
- Industrial, Smart Cities

<https://dtdsgp.com/lora-module/>

DTDS

DTDS group (www.dtdsgp.com) has diversified businesses in many verticals through its subsidiaries and associate organizations provides complete ecosystem in Electronics Industry.

Prime focus areas are

- Electronics components Distribution
- Independent Design House (IDH)
- Space and Defense Manufacturing & Distribution

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