

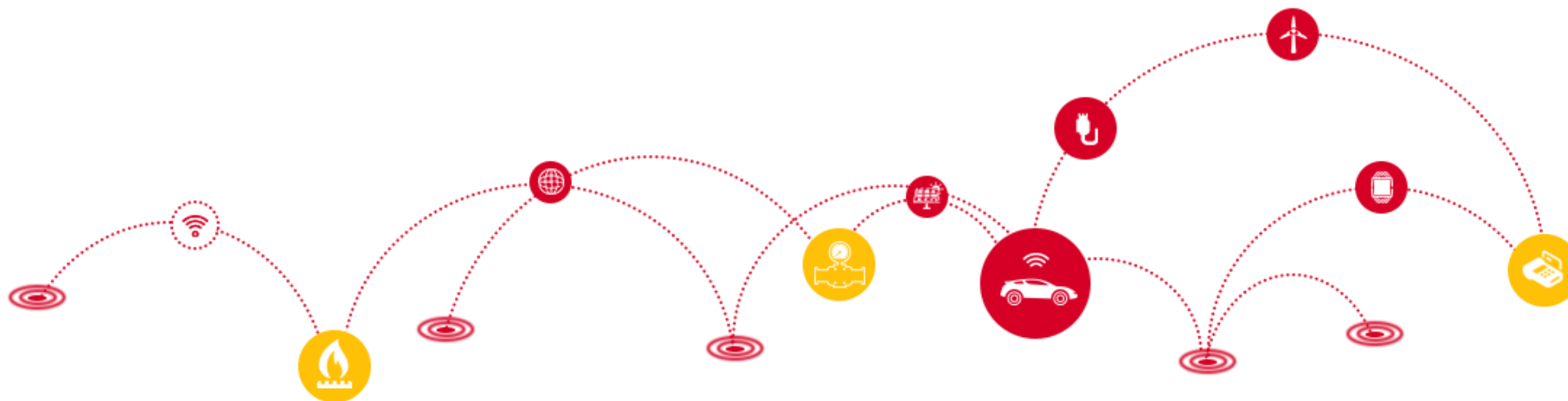
Quectel EC600N-CN LTE Standard Module

Introduction

March, 2021

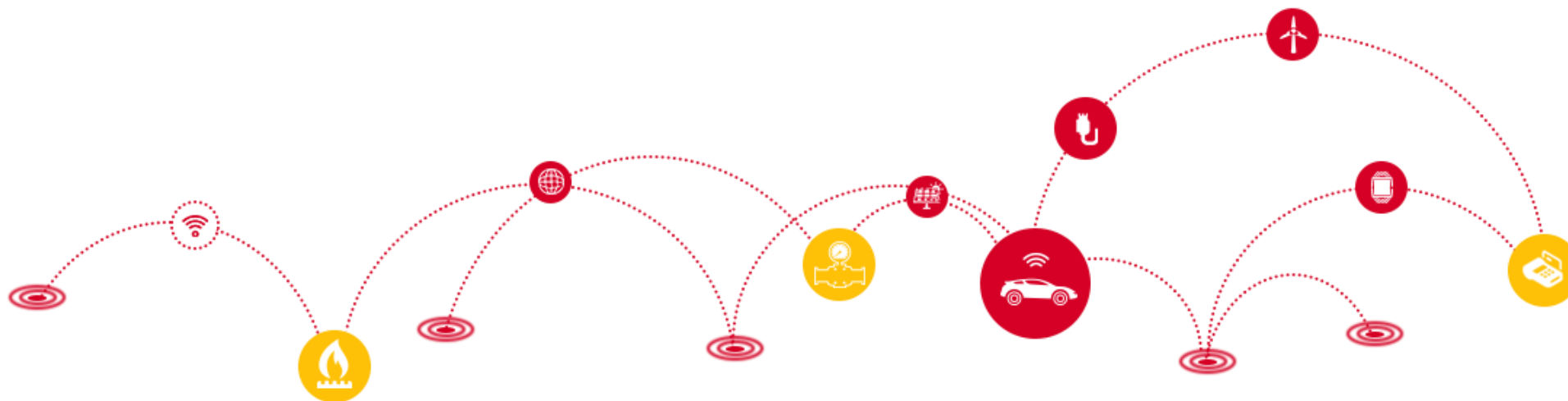
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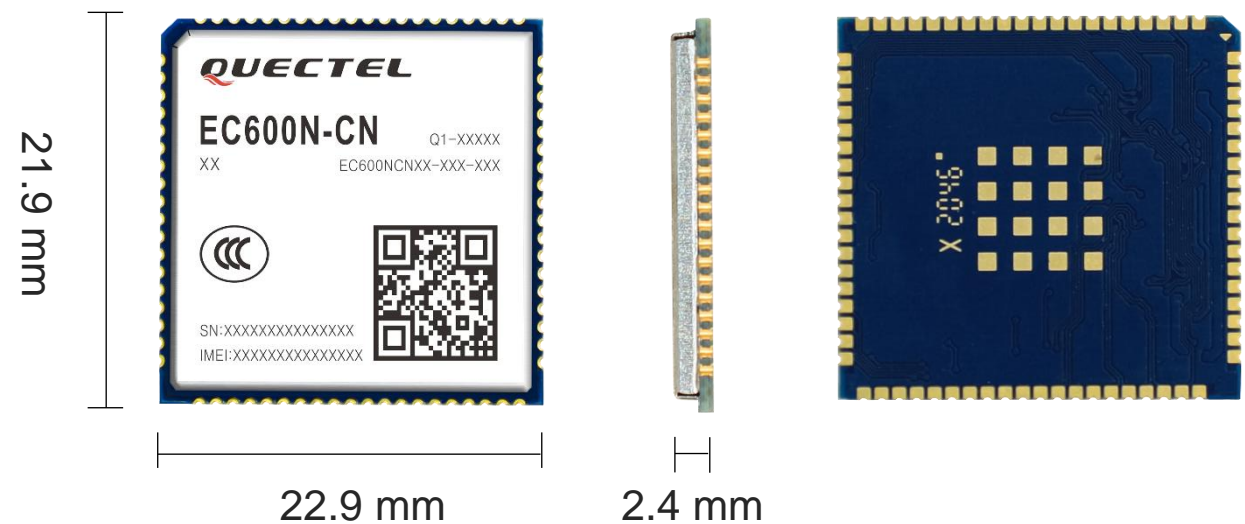
Module Introduction

Difference & Highlights Applications



EC600N-CN Mechanical Dimensions

LTE Cat 1 Module



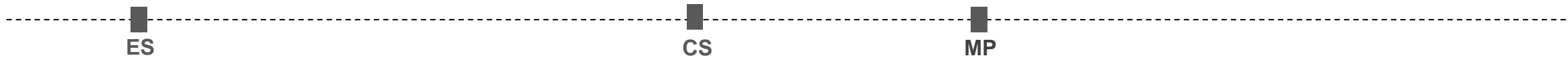
Length: 21.9 mm (± 0.15 mm)
Width: 22.9 mm (± 0.15 mm)
Height: 2.4 mm (± 0.2 mm)
Weight: Approx. 2.0 g

EC600N-CN Timeline



2020		2021							
Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.

Project Schedule



ES: Engineering samples ready. Basic functions are available for customers’ simple demo purpose.
CS: Commercial samples ready. Stable hardware design and quite stable software design. New software features can be added upon request.
MP: Hardware and software ready for mass production. For certification status, please refer to the certification schedule below.

Regulatory Certifications

SRRC/ NAL/ CCC



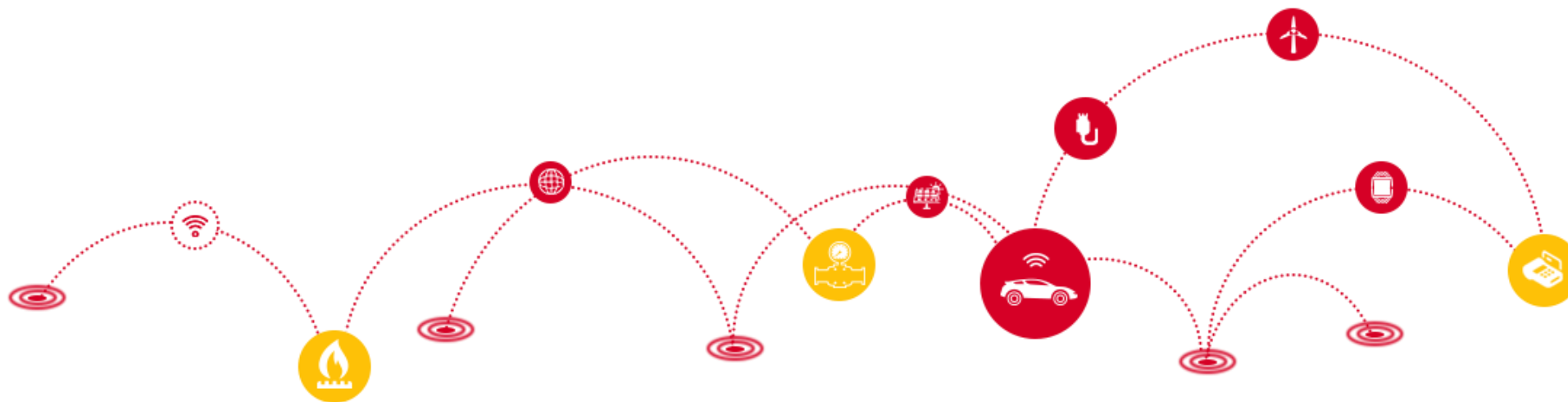
Others

WHQL

Module Introduction

Difference & Highlights

Applications



EC600N-CN and EC600S-CN Comparison

■ LTE Cat 1 Module

Model	EC600N-CN	EC600S-CN
LTE-FDD	B1/B3/B5/B8	B1/B3/B5/B8
LTE-TDD	B34/B38/B39/B40/B41	B34/B38/B39/B40/B41
GSM	-	B3/B8 (Optional)
QuecLocator®	Supported	Supported
VoLTE	Supported	Supported (Optional)
Wi-Fi Scan	Supported	Supported
DFOTA	Supported	Supported
Form Factor	LCC	LCC
Region	China/India	China/India
Size	21.9 mm × 22.9 mm × 2.4 mm	22.9 mm × 23.9 mm × 2.4 mm
Certification	Regulatory: SRRC/NAL/CCC	Carrier: China Telecom Regulatory: SRRC/NAL/CCC

EC600N-CN Main Highlights

Compatible

- Pin-to-pin compatible with EC600S-CN module, which can be replaced directly by each other according to customers' needs.
- According to the promotion area, the supported LTE frequency bands of EC600N-CN are the same as that of EC600S-CN.

Performance-Optimized

- Higher integration by using SIP Flash solution.
- While compatible with EC600S-CN, EC600N-CN is smaller in size.
- Highly price-competitive.

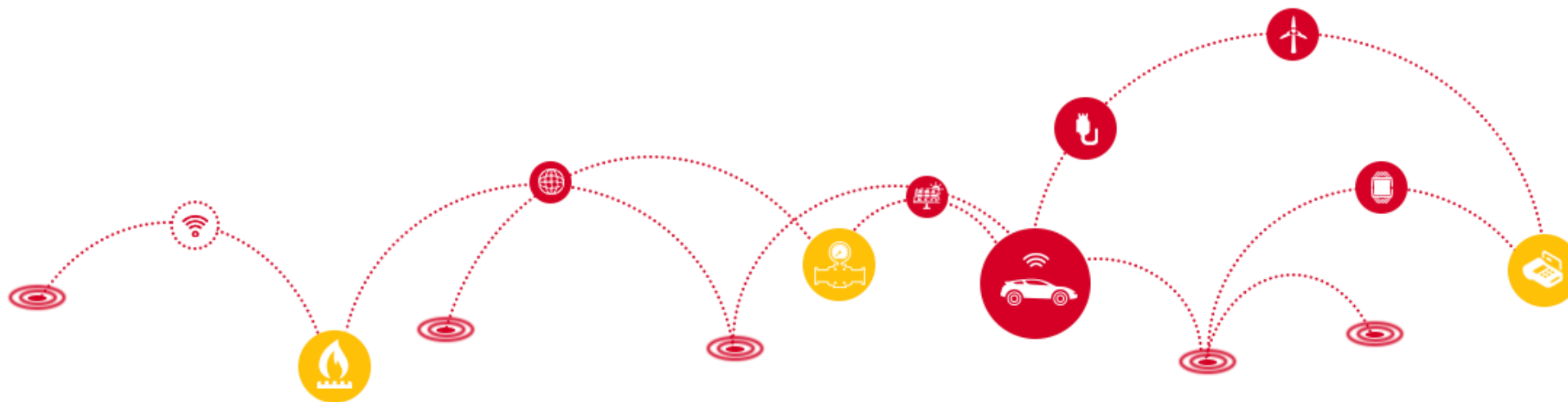
Reliable

- Meet the standards of the IoT industry and related regional certifications.
- Conduct detailed internal tests to meet industry standards for industrial-grade products.

Module Introduction

Difference & Highlights

Applications



Target Applications



Telematics & Transport

- Vehicle Tracking
- Container Tracking
- Ship Tracking
- OBD
- Passenger Vehicles, Tourist Vehicles and Hazardous Chemicals Transport Vehicles
- UBI Car Insurance



Energy

- Smart Grid
- Wind Turbines
- Solar Panel
- Charging Pile



Payment

- Wireless POS
- Cash Register
- ATM
- Vending Machine
- Top-up Machine



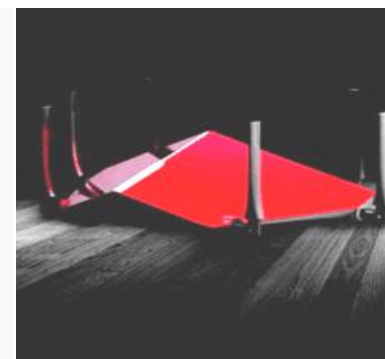
Security

- Alarm
- Video Surveillance
- Intrusion Detection
- Smoke Detector
- Motion Sensor
- Asset Protection



Smart City

- Street Lighting
- Sharing Economy
- Traffic Light
- Elevator
- Digital Signage
- Advertisement Display
- LED Lighting
- Garbage Bin Monitoring
- Smart Parking
- Meter



Gateway

- DTU
- Consumer Router
- Industrial Router
- VoIP Server



Industry

- Industrial PDA
- Rugged Tablet PC
- Pipeline Management
- UAV
- Robot
- Flow Meter
- Refrigerator
- Industrial Control
- Industrial Monitoring
- Water Valve/Pump Control



Life & Healthcare

- Personal Tracker
- Household Appliances
- Pet Tracker
- Wearables
- Elderly Monitoring
- Remote Medical Equipment
- Glucometer
- Blood Pressure Monitor
- Gambling Machine
- Patient Monitoring
- Mobile PC



Agriculture & Environment

- Food Traceability
- Farm Machinery
- Farmland Monitoring
- Irrigation
- Meteorological Station
- Wildlife Tracking
- Environment Monitoring
- Pollution Monitoring

Thank you!

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