

LTE Cat 4 for Private & Public Network

Cassiopeia CA410 Modules

Cellular IoT Connectivity for USA Private and Public LTE Networks



Sequans' Cassiopeia™ CA410 LTE Cat 4 modules are purpose-built to power Industrial IoT deployments across both private and public LTE networks in the United States. These advanced modules uniquely integrate support for CBRS Band 48, Anterix Band 8/Band 106, and all major U.S. public mobile network operator bands—delivering a comprehensive, all-in-one solution.

Notably, the CA410 modules are the first LTE Cat 4 modules to offer field-proven support for Band 106, setting a new benchmark in the industry.

Cassiopeia Cat 4 Platform

At the core of the CA410 modules is the Sequans Cassiopeia SQN3220 chipset, a robust and reliable platform supporting LTE Cat 4 with downlink speeds up to 150 Mbps. This chipset reflects Sequans' extensive experience and proven track record in U.S. mobile network operator deployments.

Next-Gen : Taurus LT Platform for 5G RedCap

Looking ahead, Sequans is introducing the Taurus LT platform, the next evolution in Industrial IoT connectivity. Designed for cost sensitive IoT applications, Taurus LT will support dual-mode 5G NR RedCap and 4G LTE Cat 4, enabling a seamless and future-ready transition from 4G LTE to 5G NR RedCap.

Highlights

- + Purpose built for industrial IoT
- + Design for Private & Public Networks
- + Smooth migration from 4G LTE Cat 4 to future-proof 5G NR RedCap
- + Rich set of interfaces
- + Industrial grade: ideal for the most demanding high speed IoT applications
- + Module, Chipset, Software Stack based on Sequans 20-years of track record

Module	Regions	LTE Bands Supported
CA410	USA	TDD LTE band 48 FDD LTE bands 2, 4, 5, US 8, 12, 13, 14, 26, 66, 106

Applications



Gateway



Router



Smart Meters

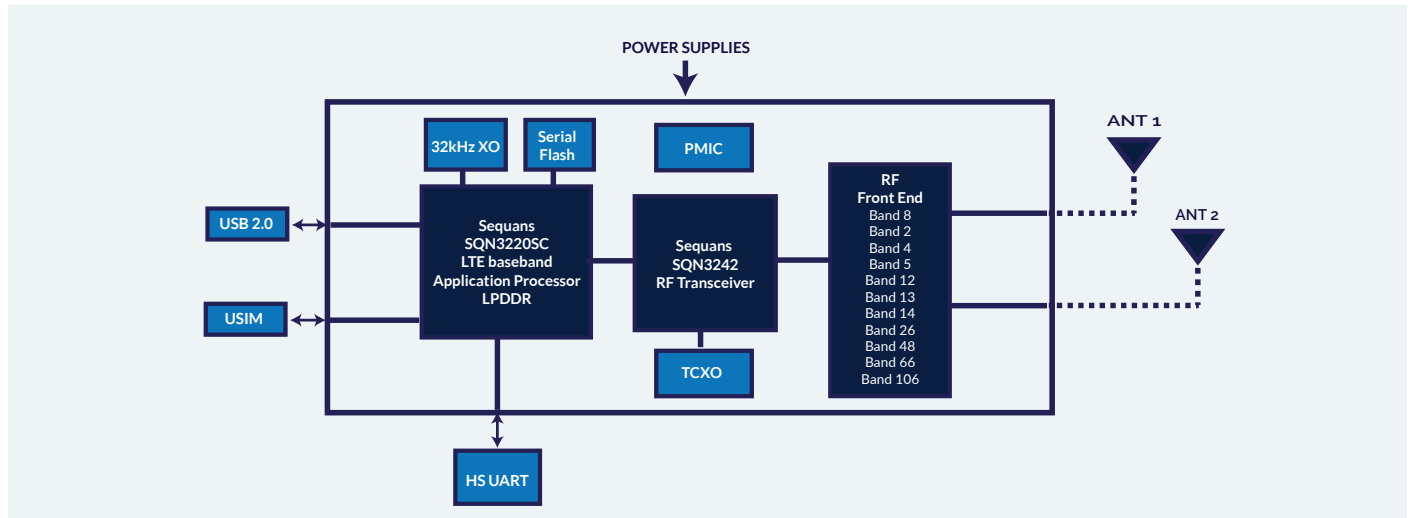


Video Surveillance



Tracking

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LTE Modem

- + TDD LTE band 48
- + FDD LTE bands 2, 4, 5, US 8, 12, 13, 14, 26, 66, 106
- + 3GPP Release 10
- + Max TX power: +23dBm
- + Rx diversity
- + Power saving modes
- + Power supply: 3.2 – 4.4V

Throughput

- + LTE Cat 4
- + Downlink: 100Mbps in TDD, 150Mbps in FDD
- + Uplink: 15Mbps in TDD, 50Mbps in FDD

Interfaces

- + USB 2.0 (high-speed)
- + HS-UART (LCC package only)
- + USIM

Packaging

- + 144-pin pads: 80 LCC pads and 64 LGA pads, 32.0 x 29.0 x 2.4 mm
- + M.2 type 3042, 42 x 30 x 3.2 mm

Environmental

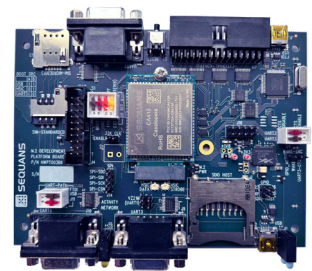
- + Operating temperature –40 °C to +85 °C
- + RoHS compliant (lead-free)

CA410 EVK

Connect to cellular LTE Cat 4 network in minutes.

Also includes :

- + One Mini USB cable
- + Two wideband antennas



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