

cassiopeia

CA410 EVK

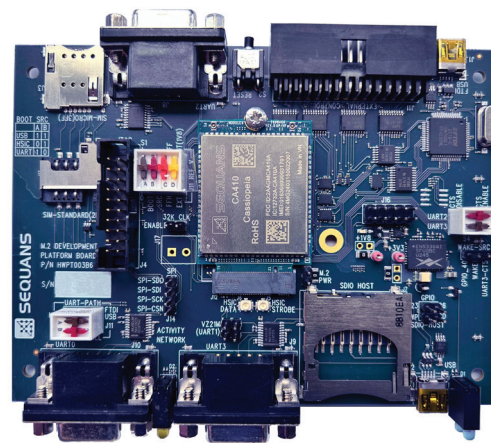
Private & Public
LTE Cat 4

Evaluation Kit --- Connect to private and public LTE networks in North America

The Cassiopeia CA410 evaluation kit (EVK) allows you to easily connect to private (Anterix and CBRS) and public cellular LTE networks in North America. The EVK comes pre-packaged with antennas and USB cable. You can connect the EVK to your PC via the USB port. The EVK is powered by the Sequans' Cassiopeia LTE Cat 4 CA410 module. With this EVK you can easily evaluate the CA410, measure its power consumption and test its rich set of AT Commands.

Highlights

- CA410 North America private and public LTE module
- Easy power measurement with external power supply
- Suitable for lab or field testing
- Access to all module interfaces for development and testing



Product Characteristics

Interfaces

- ❖ 1xUSB 2.0
- ❖ 2xUART over USB
- ❖ 2xUART direct access
- ❖ Removable SIM
- ❖ JTAG
- ❖ Power plug
- ❖ RF connector

Other Features

- ❖ Remote reset over USB

Software

- ❖ Field proven LTE software stack

RF Frequency

- ❖ Private LTE bands:
 - o TDD B48 (CBRS) : 3.55 – 3.7 GHz
 - o US B8/B106 (Anterix) : 900MHz
- ❖ Public MNO LTE bands:
 - o 2/4/5/12/13/14/26/66 : 699 – 2200 MHz

Operating Supply

- ❖ 5V when operated via USB
- ❖ 3.2V-4.4V when using external power supply
- ❖ UART/GPIO logic: 1.8V

Evaluation Kit Contents

- ❖ EVK board with Cassiopeia CA410 Module
- ❖ One Mini USB cable
- ❖ Two wideband antennas
- ❖ User manual available for download

Usage

- ❖ Connecting to a host PC (Windows / Linux) via USB cable
- ❖ Sending AT commands to the module for control
- ❖ Attaching to LTE live network or test equipment (CMW500 or similar)
- ❖ Sending data through USB
- ❖ Measuring power consumption of CA410

For more documentation on CA410 EVK, check our documentation site <https://cloud.sequans.com/>

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