

# Calliope VZ120Q Module Starter Kit



## Calliope VZ120Q Module - Starter Kit

This Starter Kit enables out-of-the-box testing of Sequans' Calliope VZ120Q module connectivity on Verizon Wireless LTE network or testing equipment. It supports integration of the module with a host platform through a USB interface. Connect the Starter Kit to your Windows laptop's USB port and begin your tests by using its rich set of AT commands.

## Getting started

- ❖ Install Starter Kit driver using a Windows laptop. Driver installer available here: [www.sequans.com/vz120q-stk](http://www.sequans.com/vz120q-stk)
- ❖ Screw the SMA antenna on to the Starter Kit with an SMA connector and insert a Micro SIM card (2FF) from your network provider into the SIM slot
- ❖ Connect the Starter Kit to your host through the USB interface using the provided male-male USB cable
- ❖ The Starter Kit will connect automatically to your LTE network
- ❖ Full Starter Kit documentation is available for download at [www.sequans.com/vz120q-stk](http://www.sequans.com/vz120q-stk)

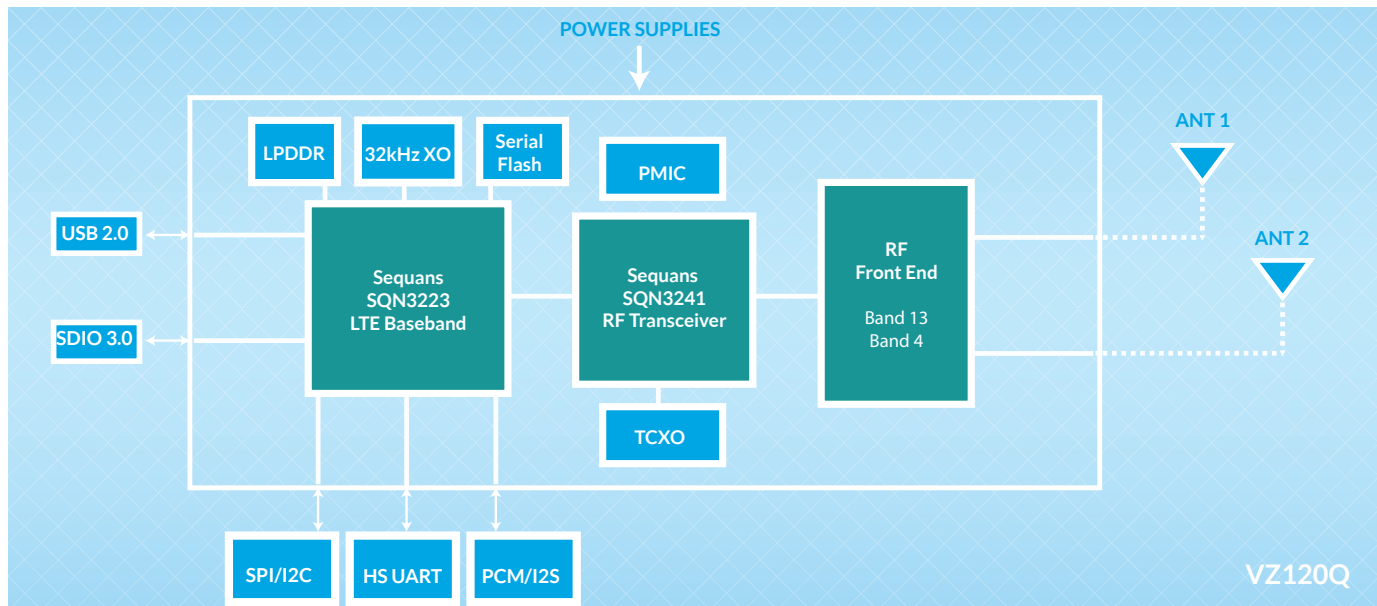


## Content

- The Starter Kit hosting the Calliope VZ120Q module
- USB cable to connect to the host PC
- Two antennas



### Calliope VZ120Q module block diagram



## Module characteristics

### LTE modem

- ❖ Certified compliant with Verizon Open Network specifications
- ❖ 20x21x1.5mm, LGA module
- ❖ Operates on FDD LTE bands 4 and 13
- ❖ 3GPP Release 10 and GCF compliant
- ❖ VoLTE ready
- ❖ Certified compliant with FCC modular requirements
- ❖ Max transmit power up to +23 dBm
- ❖ RoHS Compliant

### Data Interfaces

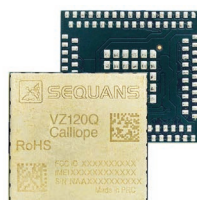
- ❖ USB 2.0 device
- ❖ SDIO3.0 host
- ❖ SPI
- ❖ High speed UART
- ❖ PCM-TDM and I2S (audio)

### Environmental

- ❖ Operating temperature: -30° C to +60° C ambient
- ❖ Storage: -40° C to +85° C

### Throughput

- ❖ LTE Category 1: 10 Mbps DL / 5 Mbps UL



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