

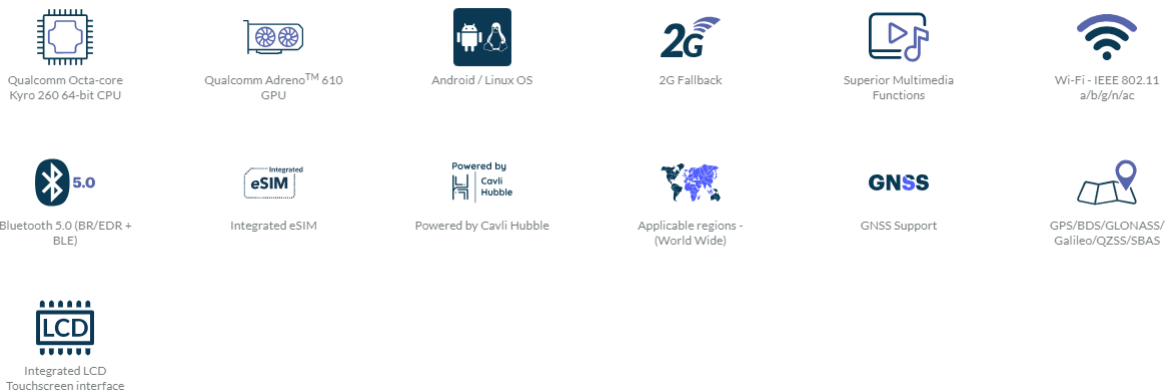
## CQS325 LTE Cat 4 Smart Module

The Cavli CQS325 is a versatile LTE Cat 4 module with 2G fallback, designed to meet a broad range of IoT application needs. Equipped with an Qualcomm® Kryo™ 265 CPU and an Adreno™ 610 GPU, this module offers enhanced graphics performance, efficient power usage, and supports high-quality imaging.

With multiple SKUs available, each variant includes multi-constellation GNSS support, including GPS, BDS, GLONASS, Galileo, QZSS, and SBAS. The CQS325 module also provides robust connectivity options, including USB 3.1/2.0, Bluetooth 5.0, and dual-band Wi-Fi. It also supports the MIPI DSI interface, which is capable of full HD resolution, making it an ideal choice for applications such as two-wheelers, e-mobility, telematics, fleet management, and POS terminals.

An optional integrated eSIM is available, providing global connectivity managed through the Cavli Hubble IoT Platform. Regional variants are offered to support specific market needs, including CQS325-EAJ for Eurasia and Japan, CQS325-AN for Australia and New Zealand, CQS325-NA for North America, CQS325-IN for India, and a Worldwide model for global deployments.

### Key Highlights:



### Technical Data

<b>Baseband Chipset</b>	SM6115
<b>GNSS</b>	Inbuilt (L1 Capable)
<b>Cellular Bands Supported</b>	<p><b>WW</b> : 1/2/3/4/5/7/8/12/13/18/19/20/25 26/28/40/41/61   GSM – 900/1800 MHz</p> <p><b>EAJ</b> : 1/3/5/7/8/18/19/20/26/28/38/40/41   GSM – 900/1800 MHz</p> <p><b>AN</b> : 1/3/5/8/18/19/26/28   GSM–900/1800 MHz</p>

**IN** : 1/3/5/8/40/41 | GSM – 900/1800 MHz

**NA** : 2/4/5/7/8/12/13/17/25/66 | GSM – 900/1800 MHz

**LA** : 1/2/3/4/5/7/8 | GSM – 900/1800 MHz

**EU** : 1/3/7/8/20/28 | GSM – 900/1800 MHz

**Supported Location Services:** GPS / BDS / GLONASS / Galileo

QZSS / SBAS Ranging Support

**OS** Android / Linux

**Memory** Flash: 16 GB eMMC / 32 GB eMMC / 64 GB eMMC

RAM: 2 GB LPDDR4X / 3 GB LPDDR4X / 4 GB LPDDR4X / 6 GB LPDDR4X

**Cellular Connectivity Download LTE Cat 4 & Uplink Speed (\* Peak Values):**

**LTE Cat 4** : 150Mbps (DL) & 50 Mbps (UL)

**GSM 2G** : 236.8Kbps (DL) & 236.8 Kbps (UL)

**Packaging** **Dimension** : 40.5 x 40.5 x TBD mm, LCC+LGA Package

**Interfaces** 1xLCD (DSI)\*\*, 2xCamera (CSI)\*\*, 2xCCI I2C, 3xAnalog Audio Out\*\*, 3xAnalog Audio In, 2xDigital Audio In, 1xUSB 2.0/3.1(OTG Support), 1xUSIM, 7xUART, 71xGPIO\*\*, 1xSDC 3.0, 1xADC\*\*, 4xI2C\*\*, 2xI3C\*\*, 5xSPI\*\*, 1xTouch Interface (I2C), 1xWi-Fi & Bluetooth ANT, 1xMain ANT, 1xDIV ANT, 1xGNSS ANT

*\*Optional feature | \*\*Requires SDK*

## Applicable Industries



Automotive & Logistics



Retail



Smart Home



Smart City



Energy & Utilities



Safety & Security



Manufacturing



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