

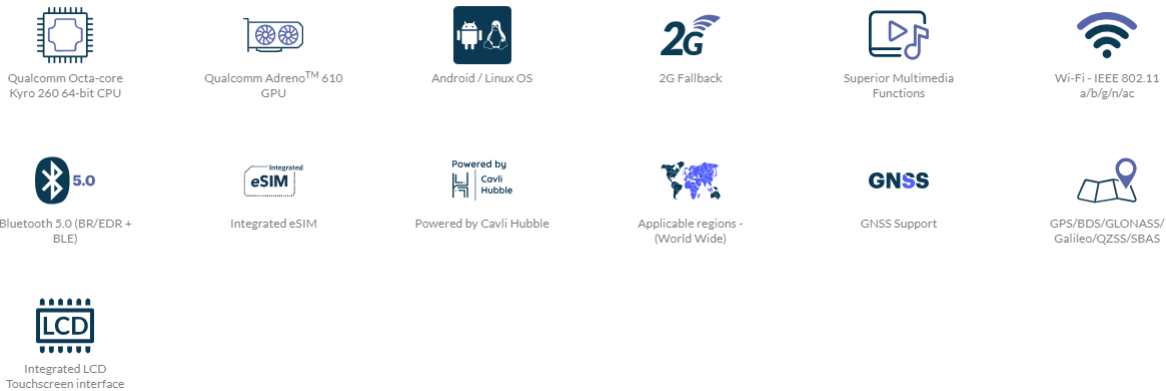
## CQS315 LTE Cat 4 Smart Module

The Cavli CQS315 is a versatile LTE Cat 4 module with 2G fallback, designed to meet a broad range of IoT application needs. Equipped with an Octa-core Kryo 260 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 CQS315 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 CQS315-EAJ for Eurasia and Japan, CQS315-AN for Australia and New Zealand, CQS315-NA for North America, CQS315-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>	<b>WW</b> : 1/2/3/4/5/7/8/12/13/18/19/20/25/26/28/40/41/66/71   GSM – 900/1800 MHz <b>EAJ</b> : 1/3/5/7/8/18/19/20/26/28/38/40/41   GSM – 900/1800 MHz <b>AN</b> : 1/3/5/8/18/19/26/28   GSM–900/1800 MHz

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

**NA :** 2/4/5/7/8/12/13/17/25/66/71 | GSM – 900/1800 MHz

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

QZSS / SBAS Ranging Support

**OS** Android / Linux

**Memory** Flash: 4 GB eMMC<sup>#</sup> / 8 GB eMMC<sup>#</sup> / 16 GB eMMC / 32 GB eMMC / 64 GB eMMC

RAM: 1 GB LPDDR4X<sup>#</sup> / 2 GB LPDDR4X / 3 GB LPDDR4X / 4 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 | <sup>#</sup>Linux Only | \*\*Requires SDK*

## Applicable Industries



Automotive & Logistics



Retail



Smart Home



Smart City



Energy & Utilities



Safety & Security



Manufacturing



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