

C10GS is an LTE CAT 1/4 compatible Smart Cellular Modules based on 3GPP Release 10, that comes with an integrated eSIM. The integrated GNSS & eSIM, coupled with Cavli Hubble Global Connectivity ensures the module can be deployed across the globe, making it an ideal solution for logistics, automotive, vehicle tracking systems and more.

## Re-imagining Cellular IoT Solutions

### FEATURES

- Upgradable to CAT 4
- Compatibility with existing LTE networks
- Optimized for higher bandwidth including voice
- Paired for devices in mobility
- Perfect for localized applications such as -
  - Security and Surveillance, Point of Sales, Health Monitoring,-
  - Fleet Management and Asset Tracking

### TECHNICAL SPECIFICATIONS

CAT 1/4: B1/B2/B3/B4/B5/B8/B18/B19/B20/B25/B26/B40/B66  
 LTE: 3GPP E-UTRA Release 10 CAT 1/4  
 Open Linux SDK support  
 Protocols: TCP/IP/HTTP/HTTPS/MQTT/MQTTS/FTP/FTPS  
 Location: GNSS\* - GPS/GLONASS/BeiDou/Galileo/QZSS/SBAS

### DATA-CONNECTIVITY

LTE CAT 1: 5Mbps (UL), 10Mbps (DL)  
 LTE CAT 4: 50Mbps (UL), 150Mbps (DL)

### PACKAGING

Dimension: 37 x 21.8 x 2.8 mm, LGA Package

### TEMPERATURE RANGE

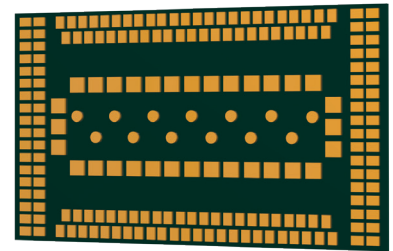
Normal working temperature: -20°C to +70°C  
 Limit working temperature: -40°C to +85°C  
 Storage temperature: -45°C to +90°C

### INTERFACES

1.8V/3V SIM Interface  
 Operating Voltage: 3.6V to 4.5V; Typ 3.8V  
 1xUSB2.0, 3xUART, 1xSPI, 1xI2C, 1xUSIM, 13xGPIO, 1xSDIO, 1xPCM, 2x ANT\*, 1xGMII/RGMII

### APPLICABLE REGIONS

Global



### TECHNICAL HIGHLIGHTS

PARAMETERS	LTE CAT 1	LTE CAT 4
BANDWIDTH	10 MHz	20 MHz
PEAK DATA RATE	<10 Mbps	<150 Mbps
UPLINK SPEED	5 Mbps	50 Mbps
DOWNLINK SPEED	10 Mbps	150 Mbps
LATENCY	10ms	10ms
PENETRATION	Excellent	Excellent
VOICE	VoLTE	VoLTE

	CAT 1	CAT 4	GNSS	OpenSDK	Internal eSIM
C10GS-S001N	✓	✗	✗	✓	✗
C10GS-S001H	✓	✗	✗	✓	✓
C10GS-GNA1N	✓	✗	L1	✓	✗
C10GS-GNA1H	✓	✗	L1	✓	✓
C10GS-S004N	✗	✓	✗	✓	✗
C10GS-S004H	✗	✓	✗	✓	✓
C10GS-GNA4N	✗	✓	L1	✓	✗
C10GS-GNA4H	✗	✓	L1	✓	✓

Cavli Hubble™ is our proprietary Connectivity as a Service (CaaS) cloud platform for global cellular data subscription management, module & modem management, enabling businesses and industries to build and deploy easily scalable global wireless IoT solutions.



\*Optional Features

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