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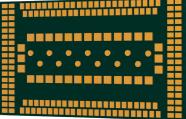
C10GS is an LTE CAT 1/4 compatible Smart Cellular Modules based on 3GPP Release 10, that comes with an integrated eSIM. The integrated GNSS & eSIM, coupled with Cavli Hubble Global Connectivity ensures the module can be deployed across the globe, making it an ideal solution for logistics, automotive,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

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

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	✓	✓

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