

Re-imagining Cellular IoT Solutions

C42GM is a singlemode LTE CAT M1/NB1/NB2 (upgradable to Release 14) compatible Smart Cellular Module based on 3GPP Release 13, that comes with an integrated eSIM. It also comes with integrated GNSS* and Sigfox*. The integrated 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.



C42GM »

FEATURES

Excellent Indoor & Underground penetration
 Optimized for higher bandwidth
 Perfect for localized applications such as -
 Point of Sales, Health Monitoring,-
 Fleet Management and Asset Tracking

TECHNICAL SPECIFICATIONS

LTE Bands: B1/B2/B3/B4/B5/B6/B8/B9/B10/B12/B13/B14/
 B15/B16/B17/B18/B19/B20/B24/B25/B26/B27/B28/B65/
 B66/B68/B71/B90/B105
 LTE: 3GPP E-UTRA Release 13 Singlemode CAT M1/NB1/
 NB2(Upgradable to Release 14)
 Protocols: MQTT/MQTTS/TCP/HTTP/HTTPS/FTP/FTPS
 Location: GNSS* - GPS/GLONASS/BeiDou/Galileo/QZSS/SBAS
 Auxilliary Connectivity: Sigfox

PEAK DATA RATE

LTE CAT-M1: 1Mbps (UL), 1Mbps (DL)
 NB1: 16.9Kbps (UL), 26Kbps (DL)
 NB2: 159Kbps (UL), 127Kbps (DL)

PACKAGING

Package: LGA/mPCIe
 Dimension: 26.5 x 22.5 x 2.3 mm

TEMPERATURE RANGE

Working temperature: -30°C to +85°C

INTERFACES

1.8V/3V SIM Interface
 Operating Voltage: 3.1V to 4.2V; Typ 3.6V
 1xUSB2.0, 3xUART, 1xUSIM, 8xGPIO, 1xSPI, 1xPCM,
 1xI2C, 2xADC, 1xSDH, 2xANT*, CAN Bus

APPLICABLE REGIONS

Global

TECHNICAL HIGHLIGHTS

PARAMETERS	LTE CAT-M1	NB1
BANDWIDTH	1.4 MHz	180 KHz
PEAK UPLINK SPEED	1 Mbps	16.9 Kbps
PEAK DOWNLINK SPEED	1 Mbps	26 Kbps
LATENCY	10-15 ms	1.6-10s

Features	
Cellular Connectivity	LTE CAT-M1/NB-IoT
Flash	16/32 MB
GNSS	Optional
eSIM Integration	Optional Hubble eSIM
Sigfox	Available
CAN	Available
OpenSDK	Available



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