



# C42GM

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. C42GM has a healthy battery life profile of ten years due to Deep Sleep Mode capability. It also comes with integrated GNSS and Bluetooth 4.2. 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.

## Reimagining Cellular IoT Solutions

### THE CAVLI ADVANTAGE

Integrated eSIM & global connectivity through Cavli Hubble™  
Intelligent/Automatic local eSIM provisioning  
Advanced firmware installation/update over-the-air  
PAYG Global Data Subscription Model

### FEATURES

Excellent Indoor & Underground penetration  
Compatibility with existing LTE networks  
Optimized for higher bandwidth including voice  
Paired for devices in mobility  
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/B8/B12/B13/B18/B19/  
B20/B25/B26/B28/B66  
LTE: 3GPP E-UTRA Release 13 Singlemode CAT M1/NB1/  
NB2(Upgradable to Release 14)  
Location: GNSS - GPS, GLONASS, Beidou, Galileo  
Connectivity: Bluetooth 4.2, Sigfox

### DATA-CONNECTIVITY

LTE-M1: 1119Kbps (UL), 588Kbps (DL)  
NB1: 60Kbps (UL), 20Kbps (DL)  
NB2: 158.5Kbps (UL), 127Kbps (DL)

### PACKAGING

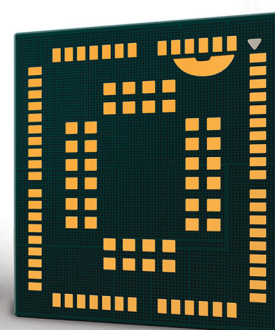
Dimension: 25.0 x 21.80 x 2.4 mm, LGA Package

### TEMPERATURE RANGE

Normal working temperature: -35°C to +75°C  
Extreme working temperature: -40°C to +85°C  
Storage temperature: -40°C to +85°C

### INTERFACES

1.8V/3V SIM Interface  
Operating Voltage: 3.1V to 4.2V; Typ 3.6V  
1xUSB2.0,2xUART,1xUSIM,9xGPIO,1xPCMC,1xI2C,  
2xADC,2xXANT, CAN Bus



APPLICABLE REGIONS - Global

## TECHNICAL HIGHLIGHTS

PARAMETERS	LTE-M1	NB2
BANDWIDTH	1.4 MHz	180 KHz
PEAK DATA RATE	<1119 Kbps	<158.5 Kbps
UPLINK SPEED	1119 Kbps	158.5 Kbps
DOWNLINK SPEED	588 Kbps	127 Kbps
LATENCY	50-100 ms	1.5-10s
BATTERY LIFE	5-10 YEARS	10+ YEARS
PENETRATION	GOOD	EXCELLENT
VOICE	VoLTE	NO

## VARIANTS - C42GM-S, C42GM-W

### APPLICATIONS



Automotive & Logistics



Smart City



Energy & Utilities



Safety & Security



Manufacturing



Agriculture



Health Care/  
E- Health



Retail



Smart Home

### Cavli Hubble

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.