

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 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.

## Re-imagining Cellular IoT Solutions

### 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/B71/B85  
 LTE: 3GPP E-UTRA Release 13 Singlemode CAT M1/NB1/  
 NB2(Upgradable to Release 14)  
 Location: GNSS\* - GPS, GLONASS, BeiDou/Galileo  
 Connectivity: Sigfox\*

### DATA-CONNECTIVITY

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

### PACKAGING

Dimension: 26.5 x 22.5 x 2.3 mm, LGA Package

### TEMPERATURE RANGE

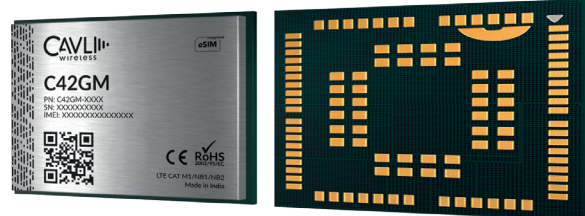
Normal working temperature: -35°C to +75°C  
 Extreme working temperature: -40°C to +85°C  
 Storage temperature: -40°C to +85°C

### INTERFACES

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

### APPLICABLE REGIONS

Global



### TECHNICAL HIGHLIGHTS

PARAMETERS	LTE-M1	NB1
BANDWIDTH	1.4 MHz	180 KHz
PEAK DATA RATE	<1119 Kbps	<60 Kbps
UPLINK SPEED	1119 Kbps	60 Kbps
DOWNLINK SPEED	588 Kbps	20 Kbps
LATENCY	50-100 ms	1.5-10s
BATTERY LIFE	5-10 years	10+ years
PENETRATION	Good	Excellent
VOICE	VoLTE	No

C42GM	Variant			
	C42GM-S	C42GM-SH	C42GM-HG	C42GM-HGAI
Features				
LTE-M	✓	✓	✓	✓
NB-IoT	✓	✓	✓	✓
Sigfox	✗	✓	✓	✓
GNSS	✗	✗	✓	✓
CAN-FD	✗	✗	✗	✓
OpenSDK	Optional	Optional	Optional	Optional
Internal eSIM	Optional	Optional	Optional	Optional

Automotive & Logistics

Smart City

Energy & Utilities

Safety & Security

Manufacturing

Agriculture

Health Care & E-Health

Retail

Smart Home

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