# C10AM

C10AM is an LTE CAT 1/2G compatible Smart Cellular Modules based on 3GPP release 9, that comes with an integrated eSIM. 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, automative, 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
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: B1/B3/B5/B8/B39/B40/B41
EGPRS: 900/1800
LTE: 3GPP E-UTRA Release 9 CAT 1
CPU: ARM Cortex-R5 with 624MHz clock with 32K I-Cache,32K D
Cache and 64KB TCM 32KB ROM and 64KB on-chip SRAM for application usage

### DATA-CONNECTIVITY
LTE CAT 1: 5Mbps (UL), 10Mbps (DL)
GPRS: 85.6Kbps (UL), 85.6Kbps (DL)
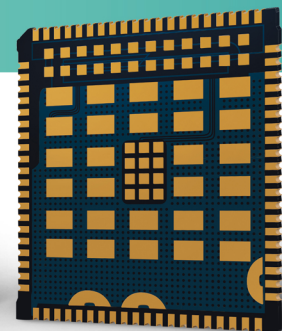EDGE: 236.8Kbps (UL), 236.8Kbps (DL)

### PACKAGING
Dimension: 32 x 29 x 2.4 mm, LCC 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: 3.4V to 4.2V; Typ 3.7V
1xUSB2.0, 2xUART, 1xUSIM, 3xGPIO, 1xPCM, 1xI2C, 1xSDIO, 2xADC, 1xANT

**APPLICABLE REGIONS**
Asia-Pacific, EMEA

## TECHNICAL HIGHLIGHTS

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

## 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.