

C16QS



C16QS is a singlemode LTE CAT 1.bis Smart Cellular Module based on 3GPP Release 14 that comes with integrated eSIM and GNSS*. The integrated eSIM coupled with Cavli Hubble Global Connectivity ensures that the module can be deployed across the globe, making it an ideal solution for logistics, automotive, vehicle tracking and much more.

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Re-imagining Cellular IoT Solutions

FEATURES

- 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: EMEA - B1/B3/B5/B8/B20
NA - B2/B4/B12/B13/B66
LTE: 3GPP E-UTRA Release 14 Singlemode CAT 1.bis
Protocols: MQTT(S), HTTP(S), TCP, CoAP
Location: GNSS* - GPS/GLONASS/BeiDou/Galileo

DATA-CONNECTIVITY

LTE CAT 1.bis: 10Mbps (UL), 5Mbps (DL)

PACKAGING

Dimension: 26.5 x 22.5 x 2.3 mm, LGA Package

TEMPERATURE RANGE

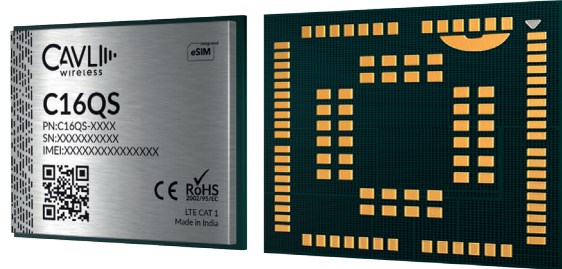
Normal working temperature: -20°C to +85°C
Extreme working temperature: -40°C to +85°C
Storage temperature: -40°C to +85°C

INTERFACES

1.8V/3V SIM Interface
Operating Voltage: 3.1V to 4.2V; Typ 3.6V
1xI2C, 2xSWD, 1xADC, 1xUSIM, 1xUSB, 1xSPI, 1xI2S, 4xUART, 2xANT

APPLICABLE REGIONS

EMEA, North America



TECHNICAL HIGHLIGHTS

PARAMETERS	CAT 1.bis
BANDWIDTH	10 MHz
PEAK DATA RATE	<10 Mbps
UPLINK SPEED	5 Mbps
DOWNLINK SPEED	10 Mbps

Features	
Cellular Connectivity	CAT 1.bis
Flash	4 MB
GNSS	Optional w/ L1
eSIM Integration	Optional Hubble eSIM



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.



www.cavliwireless.com

*Optional Features