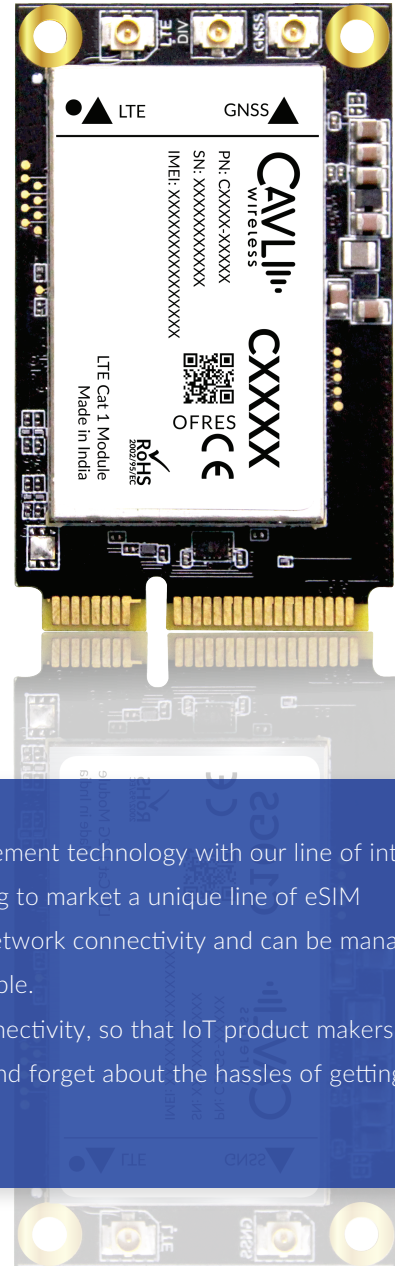




Plug Connect Scale

with Cavli vmodules



At Cavli Wireless, we are building the next generation of IoT connectivity management technology with our line of intelligent hardware, network access solution and modem management cloud. We bring to market a unique line of eSIM integrated smart IoT modules that are pre-loaded with local LTE, LPWAN, 5G* network connectivity and can be managed at scale with our flagship connectivity management platform solution - Cavli Hubble.

We work with Cellular network providers around the world to facilitate local connectivity, so that IoT product makers get to focus on what really matters to them - improving their customer experience, and forget about the hassles of getting their devices smart connected.



Reduction in
Time-to-market
(TTM) for final device



Integrated
eSIM support



LTE Cat 1/Cat 4
/Cat 1.bis/
Cat M1 / NB-IoT



mPCIe Standards
enable modularity



Primary Features

LTE Cat 4 with 2G (3GPP Release 10)
VoLTE Support

ARM Cortex A7 processor: 1.3GHz clock

256/512 MB Flash + 256 MB RAM

Yocto Linux OS (Kernel 4.14) +
Full FOTA Support

In-built GNSS Qualcomm Location Suite
Gen8C Lite

Dimensions : 50.9mm x 30.0mm x 3.78mm

LTE Cat 1 with 2G (3GPP Release 10)
VoLTE Support

ARM Cortex A7 processor: 1.3GHz clock

256/512 MB Flash + 256 MB RAM

Yocto Linux OS (Kernel 4.14) +
Full FOTA Support

In-built GNSS Qualcomm Location Suite
Gen8C Lite

Dimensions : 50.9mm x 30.0mm x 3.78mm

LTE Cat 1.bis (3GPP Release 14)

ARM Cortex M3 processor: 306 MHz clock

8 MB Flash + 2 MB RAM

FreeRTOS + SDK

Integrated GNSS (L1+L5)

Dimensions : 50.9mm x 30.0mm x 3.78mm

AGNSS, Hot/Cold/Warm Start
Low Power Consumption: PSM available

Cavli Edge Features

DFOTA available

High Speed UART (upto 4Mbps)

USB 2.0

DFOTA available

High-Speed UART (upto 4Mbps)

USB 2.0

iSIM Capable

DFOTA Support

High Speed UART interface (Upto 3 Mbps)

Internet Protocols

TCP(S), HTTP(S), MQTT(S), FTP(S), UDP,
PPP

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Network Speeds (Peak values)

Cat 4: DL 150 Mbps & UL 50 Mbps
GSM: DL 236.8Kbps & UL 236.8 Kbps

Cat 1: DL 10 Mbps & UL 5 Mbps
GSM: DL 236.8Kbps & UL 236.8 Kbps

Cat 1bis: DL 10Mbps & UL 5Mbps

Temperature Range

Operating Temperature: -30 °C to 85 °C

Operating Temperature: -30 °C to 85 °C

Operating temperature: -30°C to +85°C

Satellite Constellations

GPS | GLONASS | BeiDou | Galileo
SBAS + QZSS Capable
Hot | Warm | Cold Start
Qualcomm Location Suite Gen8C Lite

GPS | GLONASS | BeiDou | Galileo
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GPS | GLONASS | Galileo | BeiDou |
NavIC | QZSS | SBAS



Product Highlight Features

LTE Cat 1bis (3GPP Release 14)

ARM Cortex M3 processor: 204 MHz clock

4 MB Flash + 1.25 MB RAM

FreeRTOS

Integrated GNSS

Dimensions : 50.9mm x 30.0mm x 3.78mm

AGNSS, Hot/Cold/Warm Start
Low Power Consumption: PSM available

LTE Cat M1/NB1/NB2 (3GPP Release 14)
Sigfox Support

ARM Cortex R4 processor: 192MHz clock
32KB | Cache 32 KB D-Cache:
64KB A-TCM: 2MB B-TCM

16/32 MB Flash + 2MB RAM

Zephyr RTOS

Integrated GNSS

Dimensions : 50.9mm x 30.0mm x 3.78mm

Low Power Consumption

Cavli Edge Features

Independent GNSS

DFOTA Support

High Speed UART interface (Upto 3 Mbps)

Power Saving Mode Available

Sigfox

Internet Protocols

TCP(S), HTTP(S), MQTT(S), FTP(S), PPP

HTTP(S), MQTT(S)

Network Speeds (Peak values)

Cat 1.bis: DL 10Mbps & UL 5Mbps

LTE Cat M1: 558kbps (DL), & 1119kbps (UL)
LTE Cat NB1: 20kbps (DL), 60kbps (UL)

Temperature Range

Operating temperature: -30°C to +85°C

Operating Temperature: -30 °C to 85 °C

Satellite Constellations

GPS | BeiDou

GPS | BeiDou



Smart Home



Agriculture



Smart Scooter



Retail



Smart City



Energy Utilities



Safety &
Security



Manufacturing



Industrial
Gateway



Automotive &
Logistics