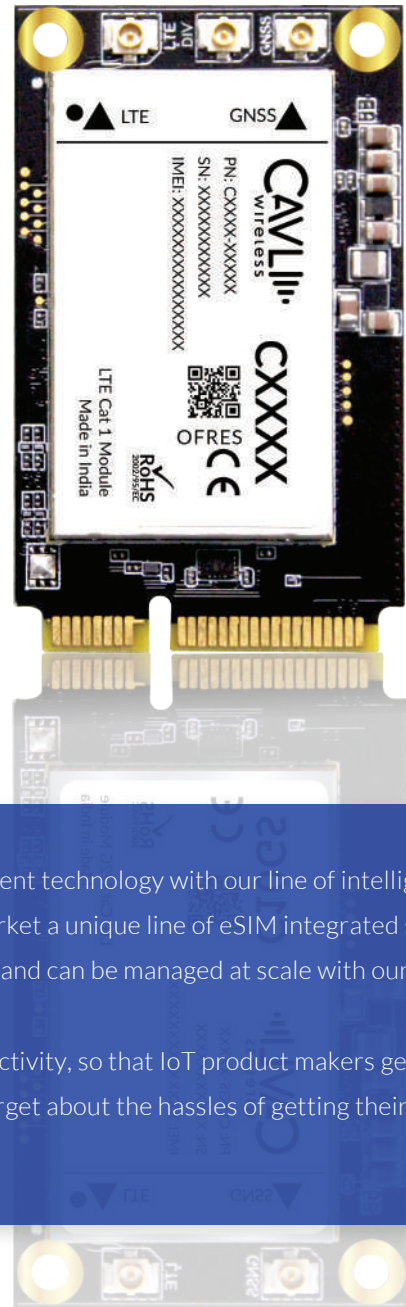


Plug Connect Scale

with Cavli MiniPCle modules



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.



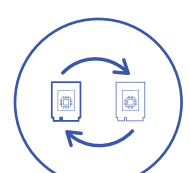
Reduction in
Time-to-market
(TTM) for final device



Integrated
eSIM support



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



mPCIe Standards
enable modularity



Primary Features

LTE Cat 1 (3GPP Release 9)

ARM-11 processor: 400MHz

256 MB Flash + 128 MB RAM

Linux OS (Kernel 3.x/5.x)
With SDK + Full FOTA Support

Integrated GNSS

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)
With SDK + Full FOTA Support

In-built GNSS Qualcomm Location Suite

Dimensions : 50.9mm x 30.0mm x 3.78mm

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)
With SDK + Full FOTA Support

In-built GNSS Qualcomm Location Suite

Dimensions : 50.9mm x 30.0mm x 3.78mm

Cavli Edge Features

FOTA available

OpenSDK

Deep Sleep Mode

Virtual CAN Support and LCD Interface

High-Speed UART (upto 4Mbps)

USB 2.0 and OTG Host support

Virtual CAN Support and LCD Interface

High Speed UART (upto 4Mbps)

USB 2.0 and OTG Host support

Internet Protocols

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

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

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

Network Speeds (Peak values)

Cat 1: DL 5Mbps (UL), 10Mbps (DL)

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

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

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
Hot/Warm/Cold Start
132 Tracking Channels
Extended GNSS Capabilities

GPS/ GLONASS/ BeiDou/Galileo
SBAS + QZSS Capable
Hot/Warm/Cold Start
Qualcomm Location Gen 8C engine

GPS/ GLONASS/ BeiDou/Galileo
SBAS + QZSS Capable
Hot/Warm/Cold Start
Qualcomm Location Gen 8C engine



30.0mm x 3.78mm

C16QS



30.0mm x 3.78mm

C42GM

Product Highlight Features

LTE Cat 1.bis (3GPP Release 14)

ARM Cortex M3 processor: 204 MHz clock

4 MB Flash + 1.25 MB RAM

FreeRTOS + DFOTA

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

Integrated GNSS

Dimensions : 50.9mm x 30.0mm x 3.78mm

Low Power Consumption: PSM available

Cavli Edge Features

Free RTOS

DFOTA

High Speed UART interface (Upto 3 Mbps)

Zephyr RTOS

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