COMMUNICATION MODULE

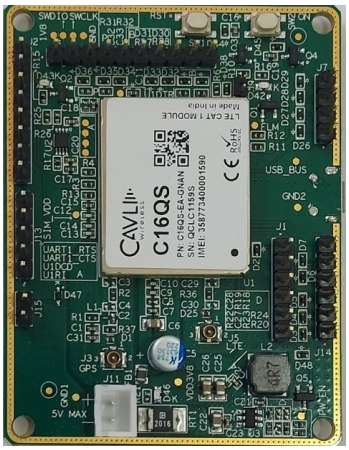
"C16QS 4G LTE MODEM EVB"

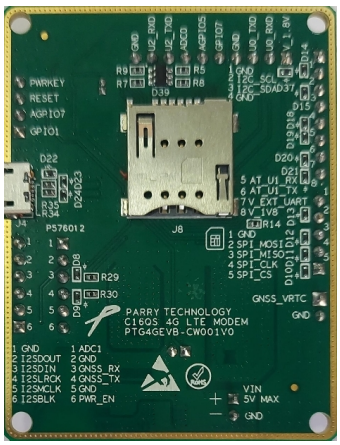
PARRY TECHNOLOGY

" is based on Cavli Wireless C16QS module supporting GSM, LTE-FDD, LTE-TDD communication at LTE-CAT1.bis speed. AT Command interface is possible either using the UART pins or using the USB 2.0 interface. Onboard UART level translator can support any of Microcontroller I/O levels from 3.3V to 5.0V. By interfacing external I/Os from microcontroller, one can Power ON, RESET the module and also can Turn ON / Turn OFF the power for the module.

Features

Supports LTE-TDD and LTE-FDD at CAT1 speed. Two orderable parts available, one with Cavli Wireless Module supporting external SIM card and the other with built-in eSIM and data plan.





C16QS 4G LTE MODEM EVB

UART interface and USB 2.0 interface available for AT Commands.

Supports various interfaces like SPI, I2C, I2S, ADC and GPIOs.

Level translated I/O's available for controlling LTE module ON/OFF, Reset etc.,

Power input over current protection, ESD protection for antenna and other external interface signals.

Operating voltage of 5V +/- 10%;
Operating temperature: -40°C to +85°C.

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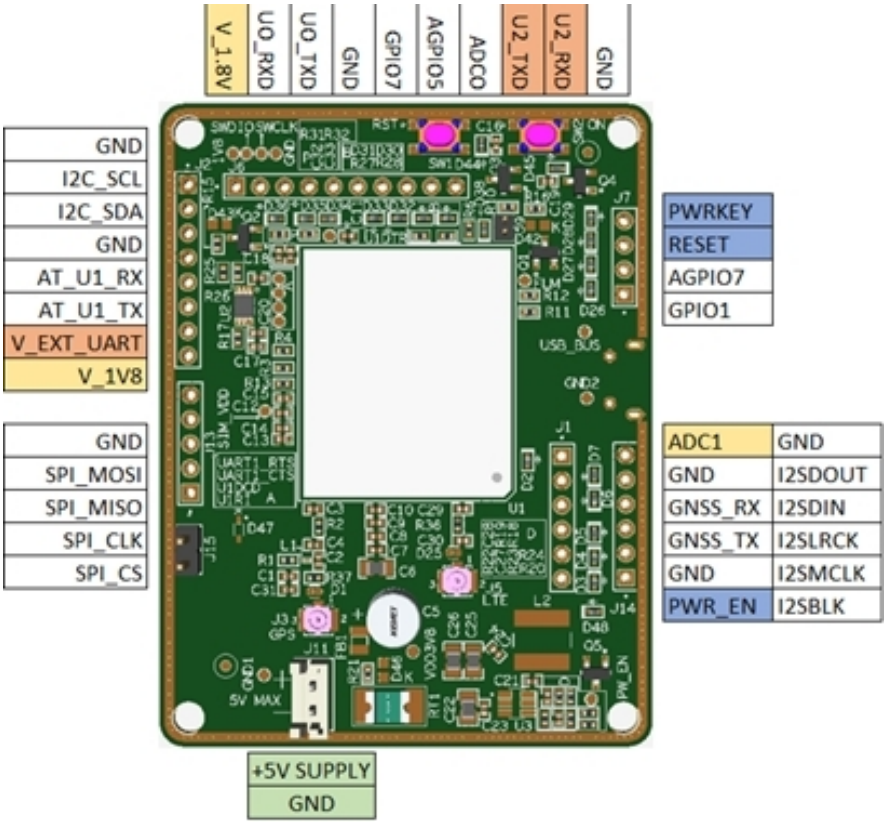
Pin Out Diagram



Purchase Note

External LTE, GPS antenna and antenna RF cable are available for purchase as accessories.
For any custom antenna usage, antenna impedance matching services can be availed at additional charges.

For details write to enquiry@parrytech.net

Product Ordering Guide

Part number : PTG4GEVB-CW001V0

Benefits

+ Level translated UART Rx, TX lines gives flexibility to interface with any microcontroller or Arduino PCBs operating from 3.3V to 5.0V
+ USB based AT command interface enables the board to be easily interfaced with Processor boards having
+ USB host such as Linux SOMs or Raspberry Pi etc.,
+ Two-layer impedance-controlled PCB for good RF performance.

About Parry Technology

Product Engineering/System integration services:
Our engineering services ranges from early engagement with customers to understand the system needs, convert the needs into requirements, finalize on the right technology implementation, circuit design, simulations, PCB development & testing, characterization, final qualifications, documentations at all stages and assistance on the product manufacturing and deployment.

End-to-End Solution for IoT Deployments
IoT Modules,Platform
Cloud Solution

Estore:
Ready to use subsystem modules/products for you to quickly test, develop Internet of Things (IoT) applications.

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