



## CAM-M8Q-Breakout Multi GNSS Module (GPS, QZSS, GLONASS, BeiDou, Galileo)

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This is a breakout board with the u-blox CAM-M8Q Multi GNSS Module for GPS, QZSS, GLONASS, BeiDou and Galileo data.

On the breakout you find the u-blox CAM-M8Q module, a CR1225 battery holder for the backup battery and two u.FI connectors.

The u.FI connectors are connected to the antenna in- and output of the CAM-M8Q.

It has a easy to use UART, SPI and DDC (I2C) interface, so you can use it in different applications. All pins are brought out as 2,54mm pitch pin header.

Features:

- Concurrent reception of up to 3 GNSS (GPS, Galileo, GLONASS, BeiDou)
- Miniature size and weight with low power consumption
- Embedded, omnidirectional and wideband antenna
- Industry leading  $-167$  dBm navigation sensitivity
- Optional external antenna
- Receiver: 72-Kanel u-blox M8 engine
- Update rate: Single GNSS - up to 18Hz, Dual GNSS up to 10Hz
- Power supply: 2,7 - 3,6V
- 30mA Continuous / 10mA Power Save Mode 1Hz @ 3V
- Interfaces: UART, SPI, DDC (I2C)
- Timepulse output: 0,25Hz - 10MHz
- Protocols : NMEA, UBX binary, RTCM