Product Summary

C099-F9P Application Board

Easy evaluation of u-blox ZED-F9P with multi-band RTK

Highlights
- Application board for ZED-F9P
- Flexible connectivity options, including Wi-Fi and Bluetooth
- Arduino Mega shield connections for host expansion

Product description
The C099-F9P application board allows efficient evaluation of ZED-F9P, the u-blox F9 high precision positioning module. The ZED-F9P module provides multi-band GNSS positioning and comes with built-in RTK technology providing centimeter level accuracy to users. The C099-F9P application board integrates the ZED-F9P module and includes an ODIN-W2 short range module for connectivity options. The application board is designed to support evaluation of the ZED-F9P module, while the ODIN-W2 module provides wireless connectivity capabilities for common use cases. Refer to the C099-F9P User Guide for details on supported configurations.

The u-center evaluation software provides a powerful platform for evaluation of u-blox GNSS receivers. With u-center, data can be logged as well as visualized in real time. The u-center software contains an NTRIP server/client which can be used to manage the RTCM correction stream to and from a C099-F9P application board.

Kit includes
- Application board with ZED-F9P
- Active multi-band GNSS antenna
- Bluetooth / Wi-Fi antenna
- USB cable

Interfaces and electrical data
- USB: Micro USB port for GNSS data and power supply
- Ext. Comm.: Connection pins for UART communication, Arduino interfacing
- Antennas: SMA connector for active GNSS antenna, SMA connector for UHF antenna
- Power supply: 2.1 mm plug 6 V-12 V DC, USB connection or LiPO cell JST connector
- IO voltage: 3.3 V
- Protocols: NMEA, UBX, RTCM

Product variants
All variants have the same application board and software.
- C099-F9P-0: For Asia and other regions not mentioned below
- C099-F9P-1: For Europe, Russia, Australia, USA and Canada
  SmartNet trial license included

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