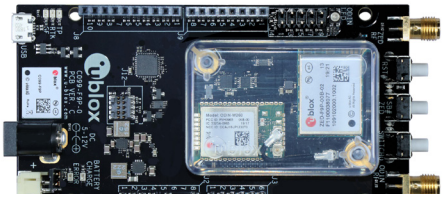
Product Summary

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.

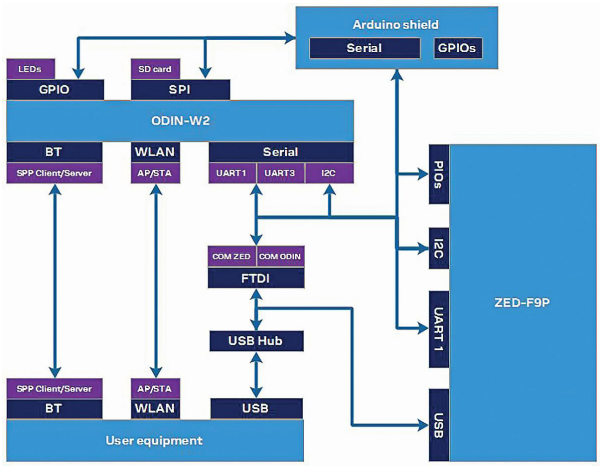
The ZED-F9P module provides multi-band GNSS positioning and comes with built-in RTK technology providing centimeter level accuracy to users.

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.

Block diagram



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

Further information

For contact information, see www.u-blox.com/contact-us.

For more product details and ordering information, see the product data sheet.