



Product summary

EVK-F9DR evaluation kit

u-blox F9 GNSS dead reckoning evaluation kit

Highlights

- Easy-to-use kit for evaluation of u-blox F9 ADR and RTK technology, with L-band reception
- User-configurable CAN-bus interface
- CR2032 battery and micro USB port for backup power supply
- Robust housing suitable for in-vehicle use and installation

Ease of use in four simple steps

- Step 1 Download and install u-center evaluation software from www.u-blox.com/product/u-center.
- Step 2 Connect the evaluation kit to a PC with the USB cable.
- Step 3 Connect the active antenna.
- Step 4 Start u-center.



Product description

With the EVK-F9DR evaluation kit, Automotive OEMs and Tier1 suppliers can evaluate the u-blox F9 automotive dead reckoning (ADR) and Real-time kinematic (RTK) technology. Evaluate the sub-meter accuracy of ZED-F9L with its built-in sensors for ADR or the decimeter-level accuracy of ZED-F9K with its built-in ADR technology and RTK. EVK-F9DR also includes a microcontroller to directly interface to a vehicle's CAN-bus. When the CAN-bus cannot be directly supported due to the very diverse nature of the specification, digital and analog (WT/DIR pin) inputs are available for speed and direction inputs.

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 client that can be used to manage the RTCM correction stream from commercial services. In addition, the correction stream can also be received via L-band using the NEO-D9S available in this kit.

The user-friendly interface and many secondary power supply options make it ideally suited for use in laboratories, test vehicles (drive testing), and outdoor locations.

Kit includes

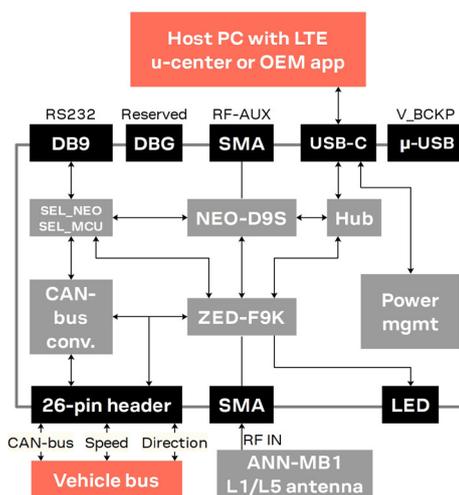
- Eval kit with ZED-F9K and NEO-D9S modules
- ANN-MB1 L1/L5 active multi-band GNSS antenna with 5 m cable (ANN-MB for L1/L2/E5b and L-band antenna, such as INPAQ LBAND01D, are sold separately)
- One month free access to PointPerfect GNSS augmentation service
- Compact 105 x 64 x 26 mm EVK-F9DR unit
- Type-C USB cable
- Micro USB cable

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Features

- Type-C USB cable for easy connection to PC
- 26-pin connector for access to interface pins
- 9-pin D-SUB female connector for standard RS232 interface
- Switch to select between the I2C (and UART) and SPI communications interfaces
- LED to indicate power supply and GNSS operation
- Reset (RST) button to restart the unit
- SMA connectors for antenna or simulator connection to ZED-F9K (RF-IN) and NEO-D9S (RF-AUX)
- GNSS raw data output
- Support for NMEA, UBX, RTCM protocols

Product variants

EVK-F9DR-0	u-blox F9 GNSS DR, RTK, and L-band eval kit. Supports ZED-F9L, ZED-F9K, and NEO-D9S
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Further information

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

