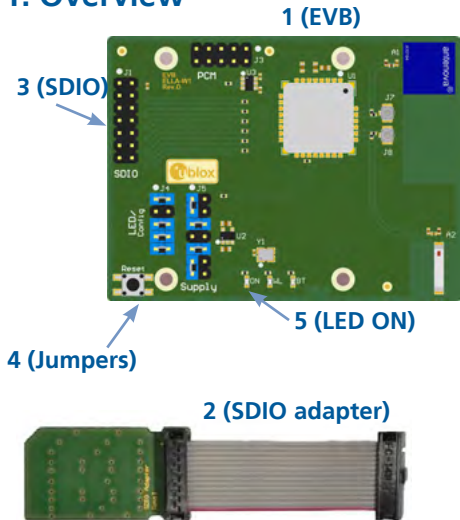


Quick Start EVK-ELLA-W1



1. Overview



2. Setup

Download the latest EVK-ELLA-W1 documentation from www.u-blox.com/evk-downloads.

1. Connect the SDIO adapter board (2) via the ribbon cable to connector J1 (3) on the evaluation board (EVB) (1).
2. Check the jumper settings (4). The default is to use SDIO power supply for 3.3V and I/O. External sleep clock is enabled by default.
3. Connect the EVB (1) to an SDIO capable host by inserting the SDIO adapter (2) into an SD card slot. LED ON is green (5).
4. Build and install the Linux drivers and configuration tools for the ELLA-W1 module series.

3. Interfaces

The EVK-ELLA-W1 provides an SDIO connector for Wi-Fi and Bluetooth communication and to power the device.

A dual band 2.4/5 GHz chip antenna for Wi-Fi (and Bluetooth for EVK-ELLA-W161) and a 2.4 GHz antenna for Bluetooth (for EVK-ELLA-W163) are mounted on the board.

Optional U.FL coaxial connectors are available on the board for connecting external antennas; switchable by 0 Ω resistors.

The EVK-ELLA-W1 includes a digital audio PCM interface for voice applications.

Refer to the EVK-ELLA-W1 User Guide for a comprehensive description of the evaluation kit features and functionalities.

4. Software

Automotive Linux drivers, Linux/Android drivers and tools for certification testing are available via u-blox support. Distribution of the software requires signing the u-blox Limited Use License Agreement (LULA).

Refer to the EVK-ELLA-W1 User Guide for a description of how to build and install the Linux drivers and for basic usage examples.

5. More information

For more information regarding the EVK-ELLA-W1, contact your nearest u-blox support:

www.u-blox.com/contact-support