

ADXL343 DATALOGGER/DEVELOPMENT BOARD

Product Details

The ADXL343 Development Board is an easy-to-use tool designed to shorten application development time by providing a ready-to-use platform for data collection and firmware development.

The board is pre-configured as a datalogger that can be used to gather data for refining algorithms, tuning thresholds, and generally familiarizing oneself with accelerometer data. Powered by two AAA batteries, the board is completely untethered and integrates seamlessly into portable applications. Logged data is stored on a MicroSD memory card, providing essentially unlimited memory capacity and operating system versatility. Data is stored in a text (.txt) file, so no software installation is required to operate the board or read data. A 2GB MicroSD card and a USB MicroSD card reader are provided with the board.

Additionally, the board is fully programmable, providing a hardware platform on which firmware can be tested in parallel with development of application hardware. Communications and processing are performed by an ARM7-based ADuC7024 micro-controller, and firmware is written in C. A programming cable is provided with the board, and a development environment and header files are supplied on this page. Finally, the platform can be duplicated in the final application, having already been tested with the application firmware. Schematics and layout can be found under the Supporting Documentation tab and can be used freely in your application.

Note that this board is not configured to display real-time data. For real-time evaluation of the ADXL343, please refer to the Inertial Sensor Evaluation Board. For a simple ADXL343 Breakout Board, refer to the [EVAL-ADXL343Z](#).