

Creating Project

In this tutorial, you will learn how to develop and program an FPGA project using ChipInventor, with a practical example of implementing an SPI communication system for an accelerometer. At the end of the tutorial, the accelerometer data will be transmitted via UART to an external device, such as a computer.

The SPI protocol (Serial Peripheral Interface) is widely used for data transfer between microcontrollers and sensors. In ChipInventor, you will use predefined blocks to build your circuit quickly and efficiently.

Creating a New Project:

- Open **ChipInventor**.
- Click on **New Project**.
- Fill in the details:
 - Name: Accelerometer SPI
 - Description: SPI communication project for accelerometer
 - Type: FPGA
- Click **Create** to finish creating the project.

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