

# Alchitry Au FPGA Kit

## Programmable Logic IC Development Tool

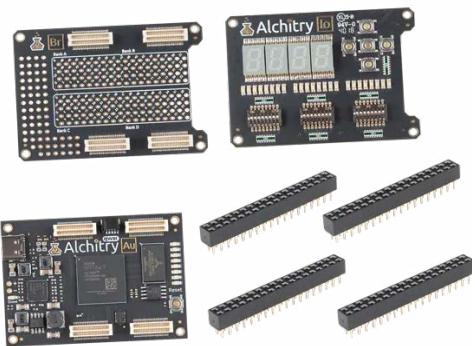
### Product Overview

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### Description

Sparkfun Alchitry Au FPGA Kit comes with Alchitry Au, Alchitry Io Element, Alchitry Br Prototype, and 4-pack of female headers.



This kit requires a USB-C cable to power and program the Au and Qwiic cables to add I<sup>2</sup>C accessory integration. The Alchitry Au features a Xilinx Artix 7 XC7A35T-1C FPGA with over 33,000 logic cells and 256MB of DDR3 RAM.

The Au offers 102 3.3V logic level IO pins, 20 of which can be switched to 1.8V, 9 differential analog inputs, 8 general purpose LEDs, a 100MHz on-board clock that can be manipulated internally by the FPGA, a USB-C connector to configure and power the board, and a USB to serial interface for data transfer. All the Alchitry boards have full Lucid support, a built in library of useful components to use in your project, and a debugger.

Io and Br Element boards also included in this kit, you will also have access to 7-segment LEDs, five momentary push buttons, 24 basic LEDs, and 24 DIP switches, a the broken out header pins, and a large prototyping area.

### Features

- Requires USB-C cable to power and program the Au and Qwiic cables to add I<sup>2</sup>C accessory integration
- Xilinx Artix 7 XC7A35T-1C FPGA with over 33,000 logic cells and 256MB of DDR3 RAM

### Kit Content

- 1x Alchitry Au FPGA development board
- 1x Alchitry Io element board
- 1x Alchitry Br prototype element board
- 1x Alchitry Br female header set

## Mouser Part Number

[View Part](#)

To learn more, visit <https://www.mouser.com/new/sparkfun/sparkfun-alchitry-au-fpga-kit/>