

Alchitry Au+ Development Board

DEV-17514

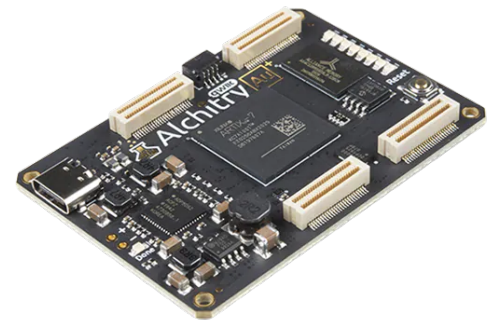
Product Overview

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Description

Sparkfun DEV-17514 Alchitry Au+ Development Board is a gold standard for FPGA development boards and is the strongest board. This Au+ board features a Xilinx Artix 7 XC7A100T FPGA with over 100k logic cells and 256MB of DDR3 RAM. The DEV-17514 offers 102 3.3V logic level I/O pins, of which 20 can be switched to 1.8V, nine differential analog inputs, and eight general-purpose LEDs.



The DEV-17514 Alchitry Au+ Development Board is powered by 5V through USB-C port, 0.1" holes, or headers. This Au+ board also offers a 100MHz on-board clock, a USB-C connector to configure and power the board, and a USB to serial interface for data transfer. The DEV-17514 Alchitry Au+ development board is RoHS compliant.

Features

- Nine differential analog inputs (one dedicated and eight mixed with digital IO)
- USB-C to configure and power the board
- Eight general purpose LEDs
- One button (typically used as a reset)
- Up to 12Mbaud USB to serial data transfer interface
- Qwiic connector
- RoHS compliant

Specifications

- Artix 7 XC7A100T:
 - 101440 logic cells
- 256MB DDR3 RAM
- 102 I/O pins (3.3V logic level, 20 of them can be switched to 1.8V for LVDS)
- 100MHz on-board clock (can be multiplied internally by the FPGA)
- 65mm x 45mm dimensions
- Powered with 5V through USB-C port, 0.1" holes, or headers

Mouser Part Number

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