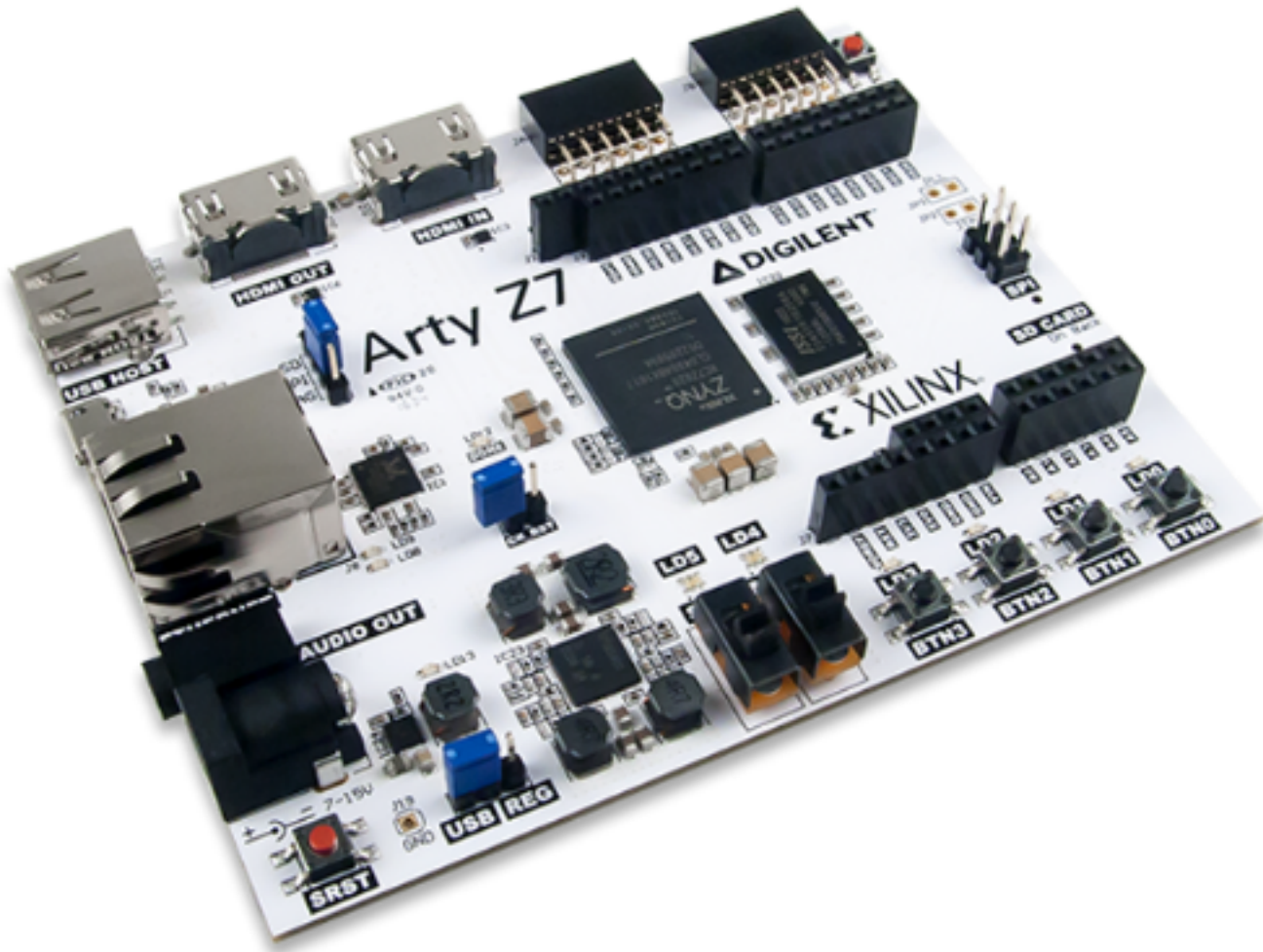


Arty Z7: Zynq-7000 SoC Development Board

★★★★★ (5 reviews) [Write a Review](#)

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Arty Z7 options: (Required)

- ☒ Arty Z7-10
- ☐ Arty Z7-10 with USB A to Micro-B Cable
- ☐ Arty Z7-20
- ☐ Arty Z7-20 with USB A to Micro-B Cable

Quantity:

▼

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Description

Features

What's Included

Software

Support

Note for repeat customers: There has been a change to the Arty Z7-10 variant of this product. More information can be found in the [RTL8211F](#) and [W25Q128JV](#) PCN documents, available through the [Support](#) tab.

The Arty family of Digilent FPGA/SoC boards was designed with versatility and flexibility in mind. With universally popular Arduino™ headers and multiple Pmod™ ports, an Arty will be the most adaptable FPGA/SoC board in your toolbox.

The Arty Z7 is a ready-to-use development platform designed around the Xilinx Zynq®-7000 System-on-a-chip (SoC) family. The Zynq®-7000 SoC family integrates the software programmability of an ARM®-based processor with the hardware programmability of an FPGA, enabling key analytics and hardware acceleration while integrating CPU, DSP, ASSP, and mixed signal functionality on a single device.

The Arty Z7 is supported by Xilinx's Vivado Design Suite, including the free WebPACK version. The SDSoc™ Development Environment provides a familiar embedded C/C++/OpenCL application development experience for heterogeneous Zynq® SoC deployment.

There are two variants of the Arty Z7: The Arty Z7-10 features the XC7Z010-1CLG400C, and the Arty Z7-20 features the larger XC7Z020-1CLG400C. There is a third option available, the Arty-Z7-20 with a Xilinx SDSoc voucher, which is recommended for those interested in video processing applications.

If your application does not require the processing system of an SoC, the [Arty A7](#), or [Arty S7](#) may be better options.

Guides and demos are available to help you get started quickly with the Arty Z7. These can be found through the [Support Materials](#) tab.

5 Reviews

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