Cora Z7: Zynq-7000 Single Core for ARM/FPGA SoC Development

SKU: 410-370

Description

The Cora Z7-10 variant is no longer in production and is now retired in our store. The Cora Z7-07S is not affected and will remain in production.

The Cora Z7 is our most cost-optimized SoC development board featuring the power and flexibility of Xilinx's Zynq®-7000 SoC family.

Featuring Arduino™ headers, 1Gbps Ethernet, an onboard analog-to-digital converter, and Pmod ports, the Cora Z7 can be used in a variety of embedded applications. The Zynq-7000(S) SoC family integrates the software programmability of an ARM®-based processor with the hardware

programmability of an FPGA, delivering cost-optimized system integration. At such a friendly price point, the Cora Z7 is a great development board to get started with Zynq-based designs.

The Cora Z7 is supported by Xilinx's Vivado ML, including the free Vivado ML Standard Edition. You can also interact with the processing system (PS) with Xilinx's Vitis Unified Software Platform and PetaLinux Tools.

The ARM Cortex™-A9 processor on the Cora Z7-07S is single-core.

Guides and demos are available to help you get started quickly with the Cora Z7. These can be found through the Support Materials tab.

Cora Z7-10*	Cora Z7-07S	
Zynq Part	XC7Z010-1CLG400C	XC7Z007S-1CLG400C
ARM Processor Cores	2	1
1MSPS On-chip ADC	Yes	Yes
Logic Cells	28,000	21,000
Look-up Tables (LUTs)	17,600	14,400
Block RAM (Mbits)	2.1	1.8
Clock Management Tiles	2	2

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- 667 MHz Cortex-A9 processor with tightly integrated Xilinx FPGA (Single-core)
- 512 MB DDR3 memory
- Arduino shield and Pmod connectors for add-on hardware devices
- USB and Ethernet connectivity
- Large array of general purpose input/output ports for any number of different custom solutions
- Small form factor and mounting holes
- Programmable from JTAG and microSD card

Product Compliance:

- HTC: 8473301180
- ECCN: EAR99