

Avnet Product Brief

ZedBoard™



Electronics Marketing



Technology



ZedBoard is a low-cost development board for the Xilinx Zynq®-7000 All Programmable SoC. This board contains everything necessary to create a Linux, Android, Windows® or other OS/RTOS-based design. Additionally, several expansion connectors expose the processing system and programmable logic I/Os for easy user access. Take advantage of the Zynq-7000 AP SoC's tightly coupled ARM® processing system and 7 series programmable logic to create unique and powerful designs with ZedBoard. ZedBoard is supported by the www.zedboard.org community website where users can collaborate with other engineers also working on Zynq designs.



Features

- Zynq®-7000 All Programmable SoC XC7Z020-CLG484-1
- Memory
 - 512 MB DDR3
 - 256 Mb Quad-SPI Flash
 - 4 GB SD card
- Onboard USB-JTAG Programming
- 10/100/1000 Ethernet
- USB OTG 2.0 and USB-UART
- PS & PL I/O expansion (FMC, Pmod™ Compatible, XADC)
- Multiple displays (1080p HDMI, 8-bit VGA, 128 x 32 OLED)
- I²S Audio CODEC

Target Applications

- Video processing
- Motor control
- Software acceleration
- Linux/Android/RTOS development
- Embedded ARM® processing
- General Zynq®-7000 All Programmable SoC prototyping

Kit Includes

- Avnet ZedBoard 7020 baseboard
- 12 V power supply
- 4 GB SD Card
- Micro-USB cable
- USB Adapter: Male Micro-B to Female Standard-A
- Getting Started Guide
- Xilinx Vivado® Design Edition license voucher (device locked to 7Z020)

Sponsors



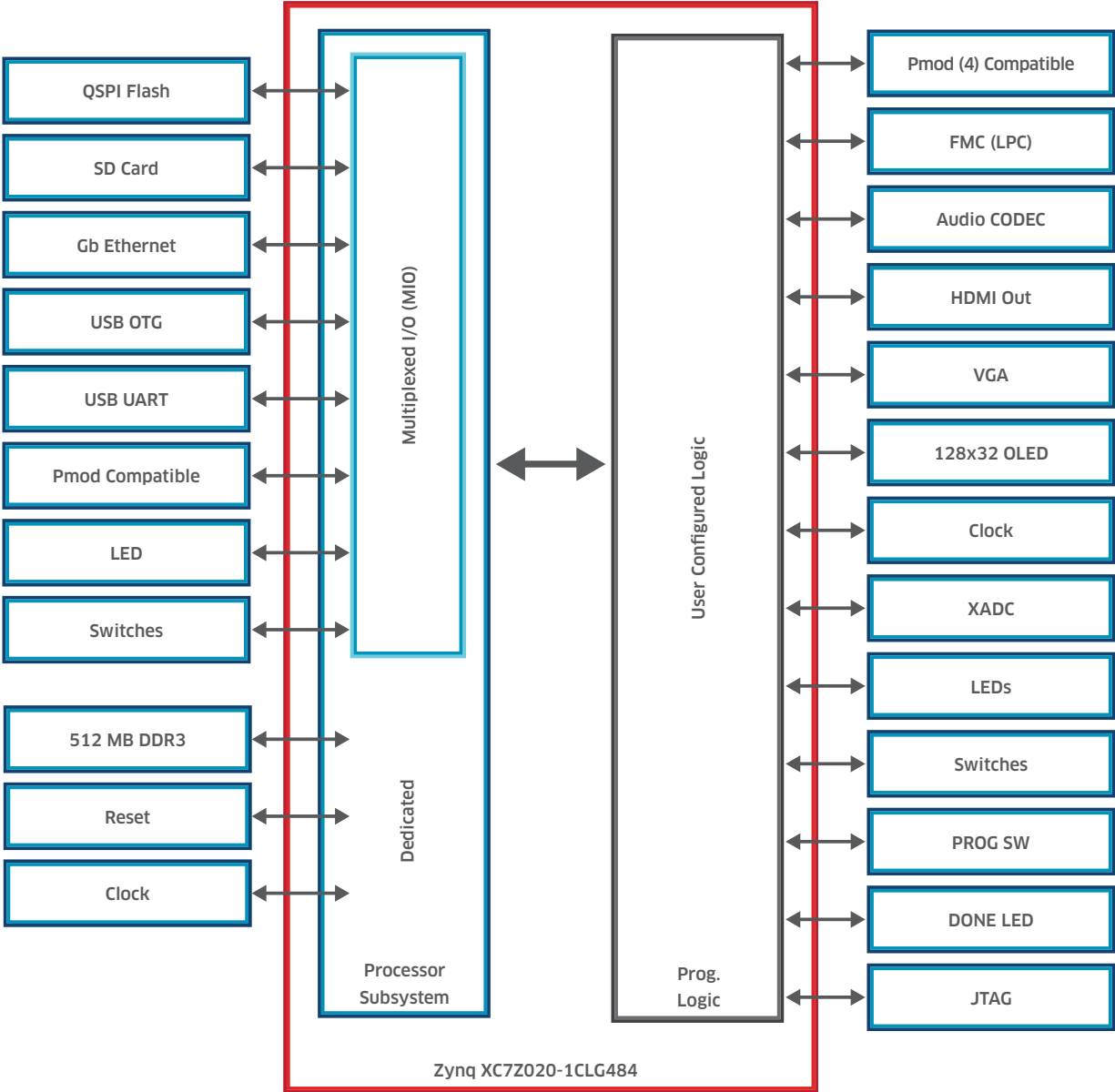
Featured



To purchase this kit, visit www.zedboard.org

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Block Diagram



Ordering

Part Number	Hardware Description	Resale
AES-Z7EV-7Z020-G	ZedBoard Commercial Edition (Available Exclusively from Avnet)	\$475 USD
ZEDBOARD	ZedBoard Academic Edition (Available Exclusively from Digilent)	\$319 USD

To purchase this kit, visit www.zedboard.org

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