# ZedBoard™



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 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 Zyng®-7000 All Programmable SoC prototyping

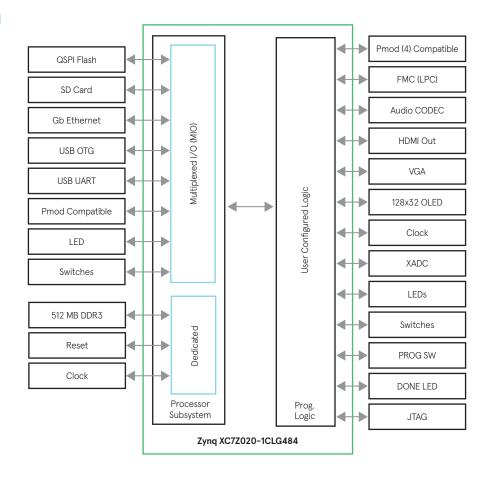
To purchase this kit, visit www.zedboard.org



#### **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® WebPACK support

# **BLOCK DIAGRAM**



## **FEATURED MANUFACTURERS**













# **SPONSORS**







## **PARTS**

Part Number	Description	Resale
AES-Z7EV-7Z020-G	ZedBoard Zynq-7000 Development Kit	\$475 USD

Regions Available for Purchase: Americas, EMEA, Asia, Japan

# CONTACT

North America 2211 S 47<sup>th</sup> Street Phoenix, Arizona 85034 United States of America eval.kits@avnet.com 1-800-585-1602 Europe (Silica) Gruber Str. 60c 85586 Poing Germany marketing@silica.com +49-8121-77702 Europe (EBV) Im Technologiepark 2-8 85586 Poing Germany http://ebv.com/contact

Japan Yebisu Garden Place Tower, 23F 4-20-3 Ebisu, Shibuya-ku Tokyo 150-6023 Japan eval-kits-jp@avnet.com +81-(0)3-5792-8210

#### Asia

151 Lorong Chuan #06-03 New Tech Park Singapore 556741 XilinxAPAC@avnet.com +65-6580-6000