

AES-ZU7EV-1-SOM-G

UltraZed-EV SOM Module 1 CPU Core QSPI Flash Zynq UltraScale+ ZU7EV eMMC

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Description

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UltraZed-EV SOM is a high performance, full-featured, System-On-Module (SOM) based on the Xilinx Zynq UltraScale+ MPSoC EV family of devices. Designed in a small form factor, the UltraZed-EV SOM on-board dual system memory, high-speed transceivers, Ethernet, USB, and configuration memory provides an ideal platform for embedded video processing systems. The UltraZed-EV provides easy access to 152 user I/O pins, 26 PS MIO pins, 4 highspeed PS GTR transceivers along with 4 GTR reference clock inputs, and 16 PL high-speed GTH transceivers along with 8 GTH reference clock inputs through three I/O connectors on the backside of the module. These connectors provide USB 2.0, USB 3.0, PCIe Gen2, DisplayPort, SATA 3.0, FMC-HPC and more! The MPSoC EV device with its integrated H.264 / H.265 video codec unit is capable of simultaneous encode and decode up to 4Kx2K (60fps).

- Xilinx XCZU7EV-1FBVB900 device (SOM also supports 4EV, 5EV, 4EG, 5EG, or 7EG device in the FBVB900 package)
- PS DDR4 SDRAM (4GB, in x64 configuration)
- PL DDR4 SDRAM (1GB, in x16 configuration)
- Dual QSPI Flash (64MB)
- I2C EEPROM (2Kb)
- eMMC Flash (8GB, x8)
- USB 2.0 ULPI PHY
- Ethernet PHY
- PS reference clock input
- 3 JX connectors, providing
 - PS JTAG interface
 - PL SYSMON interface
 - Gigabit Ethernet RJ45 connector interface
 - PMBus interface
 - Power Good output, input voltages,and output sense pins

Technical Attributes

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<input type="checkbox"/>	DESCRIPTION	VALUE
<input type="checkbox"/>	Amount of On-board Storage	64 MB
<input type="checkbox"/>	Amount of Secondary On-board Storage	8 GB
<input type="checkbox"/>	Architecture	ARM
<input type="checkbox"/>	Baseboard Connector Type	Board to Board
<input type="checkbox"/>	Ethernet	One 10/100/1000
<input type="checkbox"/>	I2C Bus Support	1
<input type="checkbox"/>	Number of CPU Cores	1
<input type="checkbox"/>	Number of GPIOs	178
<input type="checkbox"/>	Number of Uarts	1
<input type="checkbox"/>	On-board DDR	1, 4 GB
<input type="checkbox"/>	On-board Storage Type	SPI Flash
<input type="checkbox"/>	Processor Core Type	Zynq UltraScale+ ZU7EV
<input type="checkbox"/>	Processor Vendor	Xilinx
<input type="checkbox"/>	Product Dimensions	102 x 63.5 mm
<input type="checkbox"/>	Secondary On-board Storage Type	eMMC

Tool Tip

Print

In Stock : 46

Refresh Stock

Ships in 1 bus. day

Additional inventory

Factory Lead Time: 22 Weeks

Price for: Each

USD \$:

\$999.00

Quantity:

Min: 1 Mult: 1

-

1

+

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1+

\$999.00

SubTotal:

\$999.00

ADD TO BOM

ADD TO

New

VIEW HERE TO FIND RETURN


Newark

<input type="checkbox"/>	Secondary on-board storage type	
<input type="checkbox"/>	USB	1 USB2.0 Host


FIND SIMILAR PARTS

ECCN / UNSPSC / COO

DESCRIPTION	VALUE
Country of Origin:	China
ECCN:	5A002.A.4
HTSN:	8471500150
Schedule B:	8471500150



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