The UltraZed-EG™ Starter Kit

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The UltraZed-EG™ Starter Kit consists of the UltraZed-EG System-on-Module (SOM) and IO Carrier Card bundled to provide a complete system for prototyping and evaluating systems based on the Xilinx powerful Zynq® UltraScale+™ MPSoC device family.

ULTRAZED-EG SOM

UltraZed-EG SOM is a highly flexible, rugged, System-On-Module (SOM) based on the Xilinx Zynq® UltraScale+™ MPSoC. Designed in a small form factor, the UltraZed-EG SOM packages all the necessary functions such as system memory, Ethernet, USB, and configuration memory needed for an embedded processing system. The UltraZed-EG provides easy access to 180 user I/O pins, 26 PS MIO pins, and 4 high-speed PS GTR transceivers along with 4 GTR reference clock inputs through three I/O connectors on the backside of the module.

Available with the Zynq UltraScale+ MPSoC **XCZU3EG-SFVA625** device, the UltraZed-EG SOM enables designers to build high-performance systems with confidence and ease. By simply plugging the off-the-shelf UltraZed-EG SOM into an application specific carrier card such as the Avnet IO Carrier Card, system bring-up and debug time can be cut in half, while overall system cost can be reduced by 20% or more verses a standard chip-down design.

For more information, please refer to the UltraZed-EG SOM Product Brief on the www.ultrazed.org website.
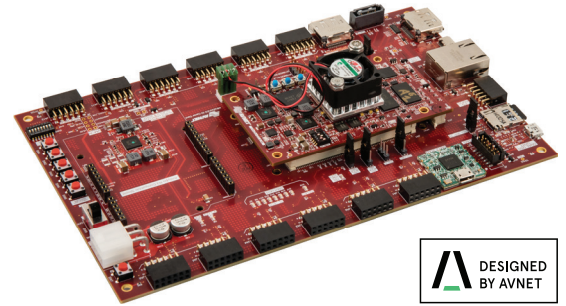
ULTRAZED IO CARRIER CARD

The UltraZed IO Carrier Card supports the UltraZed-EG System-on-Module (SOM), providing easy access to the full 180 PLv user I/O, 26 PS MIO, and 4 PS GTR transceivers available from the UltraZed-EG SOM via three Micro Headers. Two 140-pin Micro Headers on the carrier card mate with the UltraZed-EG SOM, connecting 180 of the UltraZed-EG Programmable Logic (PL) I/O to 12 Digilent Pmod™ compatible interfaces, Arduino Shield, LVDS Touch Panel interface, push button switches, DIP switches, LEDs, Xilinx SYSMON, and clock oscillator.

The UltraZed IO Carrier Card also uses a 100-pin Micro Header to gain access to the UltraZed-EG SOM Processing System (PS) MIO and GTR transceiver pins as well as USB 2.0 and Gigabit Ethernet interfaces. The UltraZed-EG SOM PS MIO and GTR pins are used on the IO Carrier Card to implement the microSD card, PMOD, USB 2.0/3.0, Gigabit Ethernet, SATA host, Display Port, dual USB-UART, user LED and switch, and MAC Address device interfaces.

For more information, please refer to the UltraZed IO Carrier Card Product Brief on the www.ultrazed.org website.

To purchase this kit, visit www.ultrazed.org/product/ultrazed-EG

DESIGNED BY AVNET

KIT INCLUDES

- UltraZed-EG SOM
- UltraZed IO Carrier Card
- 12V AC/DC Power Supply
- Quick Getting Started Card
- microUSB Cable
- UltraZed-EG SOM Mounting Hardware
- microSD Card 8GB
- RJ45 Cable

TARGET APPLICATIONS

- General UltraZed-EG evaluation and prototyping
- Embedded system-on-module (SOM) applications
- Test & measurement
- Motor control
- Industrial automation

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FEATURED MANUFACTURERS

PARTS

Part Number	Description	Resale
AES-ZU3EGES-1-SK-G	AES-ZU3EGES-1-SK-G	$895 USD

RELATED PARTS

Part Number	Description	Resale
AES-ZU3EGES-1-SOM-G	UltraZed-EG SOM	$599 USD
AES-ZU-IOCC-G	UltraZed IO Carrier Card	$499 USD

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