ECT-KRIA-LG and EC

Rugged design * High efficiency * LOW POWER * Industrial or Vehicle applications

The Ectron ECT-KRIA-LG (Light Gateway) and ECT-KRIA-EC (Embedded Computer) are built around the powerful Kria™ SOM from AMD. The Kria™ SOM (**https://www.xilinx.com/products/som/kria.html**) is a Zynq™ UltraScale+™ MPSoC with quad core ARM 64-bit processor coupled with a large FPGA. The industrial version of the compact SOM has an operation range: -40°C to +100°C for rugged applications in harsh environments.

The ECT-KRIA computers configured as a gateway and embedded computer run Ubuntu Linux and come pre-loaded with the software stack to connect them to our partner Balluff's I/O link hubs and to the Azure Cloud from Microsoft. Build innovative IoT designs, computing designs with access to displays, digital inputs, analog signal inputs, and more.

FEATURES

- Industrial Grade design, IP 67 Enclosures (Customizable to IP 68)
- Low power, uncooled (No active cooling)
- Multiple Interfaces
  - Two (2) GbE RJ45 interfaces
  - Two (2) USB 3.0/2.0 interfaces
  - GPS (can be disabled)
  - Digital I/O and Actuator Control output on the Embedded Computer (ECT-KRIA-EC)
- Radio installed (4G/LTE or 5G), based on SIM availability
- Storage of 128 GB (Industrial SD)
- All drivers included
- SW customization, white boxing, high volume available
- Integrated with Ectron's SmartEYE™ Industrial IoT Platform
- Azure hours included for testing and prototyping
- Flex SIM provided for limited time use (user renewal)

The ECT-KRIA-EG and ECT-KRIA-EC computers are offered in collaboration with our partners

- Microsoft (Azure and Operating Systems)
- AMD (Processors, FPGA and Tools)

Ectron also offers a range of market-ready kits with full stack solutions, with sensor options, networking along with our partners Balluff and others. Customization on the computers including software stack and integration with other systems is provided by Ectron for customers.

Applications:

- Industrial Machinery, COTS MIL
- General Purpose edge computers
- Factory and Building Automation
- Smart Grid and Energy monitoring
- Automotive and Defense applications
- Test and Measurement equipment

For customization and use in high volume applications contact Ectron

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