Xilinx launches UltraScale+ based SOM and $199 dev kit with AI extensions

Xilinx has launched a Kria K26 SOM that runs Linux on its Zynq UltraScale+ MPSoC, plus a $199 Kria KV260 Vision AI kit with GbE, HDMI, DP, PMOD, CSI, 2x IAS, and 4x USB 3.0. Xilinx is supporting the products with a new edge AI app store.

For years, third party vendors have been developing compute modules and SBCs built around Xilinx’s Arm/FPGA hybrid Zynq 7000 and quad -A53 Zynq UltraScale+ MPSoC system-on-chips, most recently including Topc Embedded’s UltraScale+ based Miami MPSoC Plus module and Florida Plus kit. Xilinx itself has limited its homegrown hardware support to high-end evaluation kits, such as its $11,995 Zynq UltraScale+ RFSoC ZCU216 Evaluation Kit. Now, for the first time Xilinx has launched its own compute module line, called Kria, as well
as a $199 dev kit.

[...]

The SoC and module will soon be certified for Ubuntu, which is a first for the Zynq products (see farther below).

- **Using a 10-segment Led Bar with Raspberry Pi and Python** [5]

  10 segment LED bar are commonly used to get visual indicators, usually to measure filling status. You can use these electronic items with Raspberry PI, switching on-off each led separately

- **5 Great Raspberry Pi IDEs For Programmers and Students** [6]

  Raspberry Pi is one of the popular choices for single-board computers (SBCs). It's available in various models and has a wide range of uses, from creating a wireless network printer to hosting a Minecraft server.

  However, the idea that drove the development of the Raspberry Pi originally was to promote the teaching of computer science fundamentals in schools and developing countries while also making it accessible to everyone.

  It's this democratization of Pi that ultimately laid its foundation as a device that's now widely used by many to learn about concepts of computers, electronics, and other hardware verticals.

- **RISC-V International Welcomes Chengwei Capital as a Premier Member** [7]

  RISC-V International, a non-profit corporation controlled by its members to drive the adoption and implementation of the free and open RISC-V instruction set architecture (ISA), today announced that Chengwei Capital has joined the organization as a Premier Member. As part of the Premium membership tier, Chengwei Capital will be joining the RISC-V Board of Directors and Technical Steering Committee.

  Chengwei Capital has been an active technology investor for more than 20 years, focusing on
backing companies that are breaking barriers to innovation. Chengwei Capital is a significant shareholder of SiFive, one of the founding members of RISC-V International and a Premier Member. Chengwei Capital also partnered with SiFive to found StarFive Technology in Shanghai, which is now a leading RISC-V company in China.

Ubuntu certified system runs on AMD R1000 as low as 6W [8]

DFI unveiled an EC90A-GH industrial mini-PC built around its Ryzen R1000 based GHF51 SBC. These are among the first products to support the 6W R1102G and the first industrial systems to offer certified Ubuntu Core OTA updates.

DFI has announced a fanless, 110 x 80 x 60mm embedded system called the EC90A-GH built around its GHF51 SBC. Both the EC90A-GH and GHF51 SBC run Ubuntu, Ubuntu Core, or Win 10 IoT Enterprise on AMD’s Ryzen Embedded R1000 and are part of DFI’s compact Industrial Pi family of embedded products. They are also among the first products to support the two low-power R1000 parts with TDPs as low as 6W.

GNU Linux Hardware

Source URL: http://www.tuxmachines.org/node/150627

Links: