GNU/Linux-Friendly Hardware

By *Roy Schestowitz*
Created *29/04/2021 - 4:00pm*
Submitted by Roy Schestowitz on Thursday 29th of April 2021 04:00:58 PM Filed under Hardware [1]

- **MPi4 NEC MediaPlayer Kit slot-in card powers 4K digital signage displays with Raspberry Pi CM4 - CNX Software [2]**

  NEC Display Solutions has been integrating Raspberry Pi Compute Modules into commercial displays used for digital signage and presentation platforms for over 5 years now.

  The company, now called Sharp NEC Display Solutions, has launched a new Intel Smart Display Module (SDM)-like slot-in card based on Raspberry Pi Compute Module 4 called ?MPi4 NEC MediaPlayer Kit? and designed as an entry-level card alternative to the company?s Intel SDM slot-in cards designed for NEC large format 4K displays.

- **Allwinner Processor 2021-2022 Roadmap ? Allwinner T827, T723 and T1033 SoC?s [3]**

- **Allwinner V831 NPU (Neural Processor Unit) reverse-engineered - CNX Software [4]**

  When Sipeed introduced MAIX-II Dock AIoT vision development kit, they asked help from the community to help reverse-engineer Allwinner V831?s NPU in order to make an open-source AI toolchain based on NCNN.

- **Xilinx Introduces Kria Portfolio of Adaptive System-on-Modules for Accelerating Innovation and AI Applications at the Edge | Business Wire [5]**

  Xilinx, Inc. (NASDAQ: XLNX) today introduced the Kria? portfolio of adaptive system-on-modules (SOMs), production-ready small form factor embedded boards that enable rapid

deployment in edge-based applications. Coupled with a complete software stack and pre-built, production-grade accelerated applications, Kria adaptive SOMs are a new method of bringing adaptive computing to AI and software developers.

The first product available in the Kria SOM portfolio, the Kria K26 SOM, specifically targets vision AI applications in smart cities and smart factories. The Xilinx® SOM roadmap includes a full range of products, from cost-optimized SOMs for size and cost-constrained applications to higher performance modules that will offer developers more real-time compute capability per watt.

Hardware

Links:
[1] http://www.tuxmachines.org/taxonomy/term/39
[2] https://www.cnx-software.com/2021/04/29/mpi4-nec-mediaplayer-kit-slot-in-card-powers-4k-digital-signage-displays-with-raspberry-pi-cm4/
[3] https://www.cnx-software.com/2021/04/29/allwinner-processor-2021-2022-roadmap-allwinner-t827-t723-and-t1033-socs/
[4] https://www.cnx-software.com/2021/04/29/allwinner-v831-npu-neural-processor-unit-reverse-engineered/
[5] https://www.businesswire.com/news/home/20210420005308/en/Xilinx-Introduces-Kria-Portfolio-of-Adaptive-System-on-Modules-for-Accelerating-Innovation-and-AI-Applications-at-the-Edge