EMBEDDED COMPUTING DESIGN PRODUCT OF THE WEEK

Product of the Week: NVIDIA Jetson Nano 2 GB Developer Kit

Last year's 4 GB platform costs $99. Now, after some tweaks, the 2 GB version is just $59. And although it's in the price range of a Raspberry Pi, it offers the next level of oomph for AI newbies.

Read more

EMBEDDED HARDWARE NEWS

PICMG Ratifies MicroSAM: The New Microcontroller-Agnostic Module Form Factor

PICMG announced the ratification of the MicroSAM specification. MicroSAM is a new microcontroller-agnostic, ultra-small form-factor module for the enablement of smart sensors.

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EMBEDDED NETWORKING NEWS

STMicroelectronics Releases GUI Design with TouchGFX Updates, New STM32 Nucleo Shield

The new X-NUCLEO- GFX01M1 SPI shield is supported in the latest TouchGFX software, version 4.15.0, which introduces additional new features including support for low-cost non-memory-mapped SPI Flash ICs.

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EMBEDDED CONNECTIVITY NEWS

Septentrio Expands GPS/GNSS Portfolio with AsteRx-m3 Pro Receiver Board

Septentrio announced it has expanded its GPS/GNSS OEM portfolio with the AsteRx-m3 Pro receiver board. The receiver features the company?s latests GNSS technology in a small form factor, making it suitable for robotic applications.
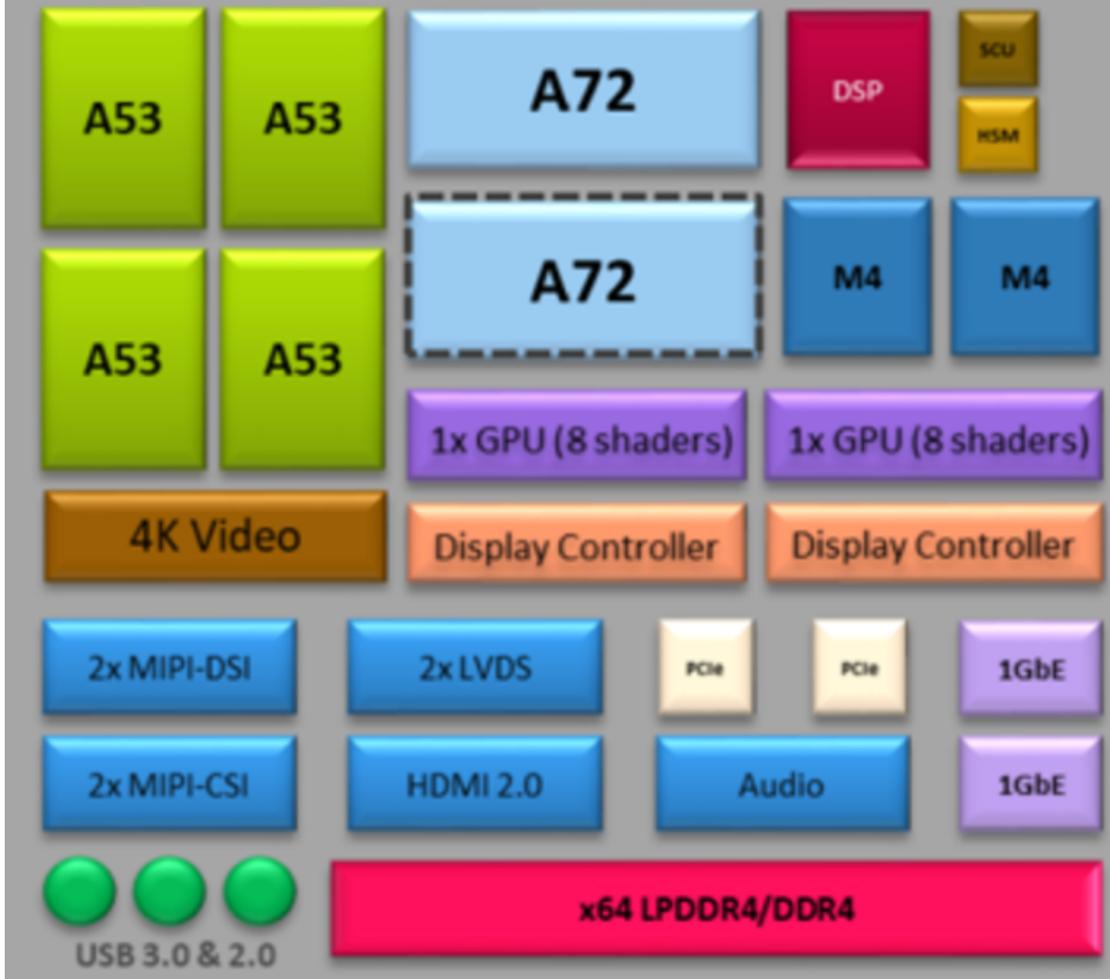
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DEVELOPMENT TOOLS & OPERATING SYSTEMS FEATURE

Software Considerations for Heterogeneous Arm Cores in Safety-Critical Applications

Embedded systems benefit from the use of multicore processors in terms of higher throughput and better size, weight, and power (SWaP). Processors with heterogeneous processor cores add the ability to match applications to the capabilities of each core type, further improving throughput and SWaP. The advantages of multicore processors come with increased complexity in software architectures to maximize the utilization of the processor cores.

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i.MX 8QuadMax / i.MX 8QuadPlus

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