EMBEDDED HARDWARE FEATURE

PICMG's COM-HPC & Heterogeneous LEGaTO Hardware

At the time of writing, the fastest supercomputer in the world is capable of calculating 442 petaflops. However, the official goal of various high-performance computing (HPC) centers is to achieve more than twice that: 1 exaflop, or 1018 floating-point operations per second.

If today’s most efficient supercomputer, the NVIDIA DGX SuperPOD, would be scaled in size to deliver 1 exaflop of performance, it would consume 38 megawatts of power. That is about the average power consumption of six small towns with 10,000 citizens each.

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AUTOMOTIVE NETWORKING NEWS

KDPOF Announces New KD7051 PHY for Automotive Networking

KDPOF announced their new integrated Fiber Optic Transceiver (FOT) KD7051. Per the company, it is the first device for optical in-vehicle connectivity that incorporates the transceiver IC, optoelectronics, and optics.

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DEV KITS NEWS
UP Xtreme i11 Edge Compute Enabling Kit with 11th Generation Intel Core
AAEON announced the latest addition to their UP Bridge the Gap brand, the UP Xtreme i11 Edge Compute Enabling Kit.
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AUTOMOTIVE SOFTWARE NEWS
Elektrobit Unveils Industry-First Software Platform for Next-Gen Vehicle Electronics Architecture
Elektrobit (EB) announced EB xelor, an industry-first software platform designed to streamline the development of next-generation automotive electronics architectures based on high-performance computing (HPC).
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15 Ways to Maximise the Value of Unit Tests in Safety Critical Projects
In safety-critical software development, unit testing is mandated by standards. However, not all tests are built equal. This paper discusses approaches you can take with your unit testing to maximize their contribution to the development process.
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IoT applications are growing at a very fast rate and has been influencing our lives for the past several years. The potential spectrum of IoT applications is endless, and smart homes are still the most popular IoT application among consumers. Our homes are becoming smarter day by day. The need for smart home devices is increasing exponentially and predicted that we will have over a billion devices by 2023.

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