

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.

[Read more](#)



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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Save Licensing Costs with Windows 10 IoT Enterprise LTSC
Retail. Signage. Industry 4.0. Healthcare. Security. Transportation.
Sponsored by **Arrow**

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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Think Diamond
for Nvidia Jetson solutions.



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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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Embedded Toolbox: Create Your Own CBRS Network with MultiConnect?
microCell for Remote Learning

Where you live and what school you go to can determine your remote learning experience. In this episode, we implement low-cost, moderate-performance CBRS networks to get ahead of the bell curve.

Sponsored by **MultiTech Systems, Inc.**

SPONSORED WHITE PAPER

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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Power Panel: Designing with Wide Band Gap Power Semiconductors

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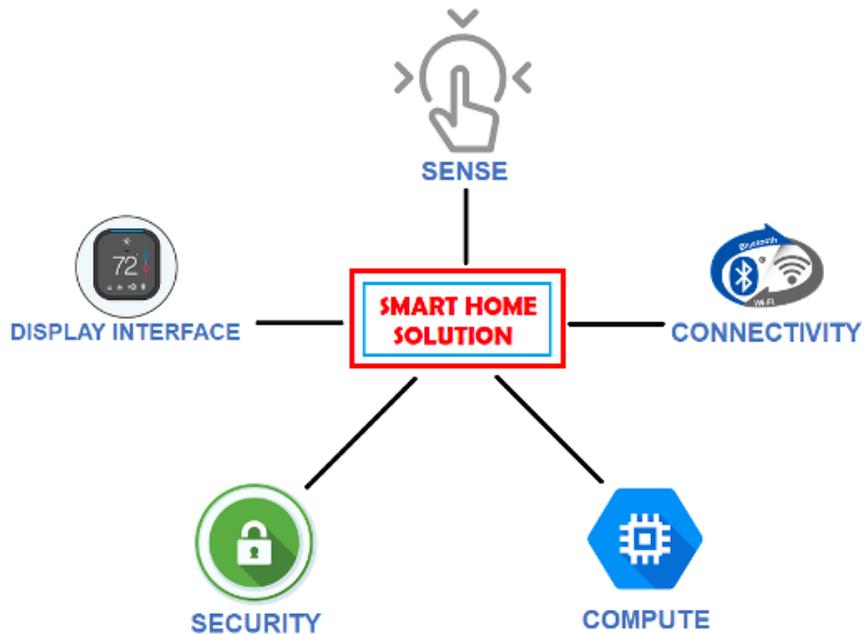
Date: **December 8, 11:00 a.m. ET**

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One-Chip Graphics, Touch, and Wireless for the Smart Home, Part 1

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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