



DEV KIT WEEKLY RAFFLE AND GIVEAWAY

## GigaDevice's High-Performance Arm Cortex-M33 Kit

?High-performance MCU.? Eyeball, right? I mean ?micro? is in the word "microcontroller."

Well, the 32-bit GD32E5 series MCU featured at the center of this week?s kit gives credence to the oxymoron by integrating an Arm Cortex-M33 core that clocks in at 180 MHz AND integrates a built-in floating-point unit, hardware multiplier/dividers, access to DSP instructions via the ARMV8-M instruction set, as well as a trigonometric math unit that offloads vector, sine, cosine, exponent, square root, common logarithm, and other mathematical operations from the primary CPU.

[Read more](#)



DEVELOPMENT TOOLS & OPERATING SYSTEMS NEWS

### MicroEJ Supports QNX Neutrino Realtime Operating System (RTOS) to Accelerate Development of Mission-Critical Devices

MicroEJ announced support for the QNX Neutrino RTOS, a microkernel real-time operating system from BlackBerry QNX.

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## Validation at Any Location. 3 Musts for Uninterrupted Testing

If 2020 has shown us anything, it's that the line between work and home has become incredibly blurry, dissolving the means for compartmentalizing our lives. How do we do validation at home?

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### PROCESSING NEWS

## Mipsology Zebra on Xilinx FPGA Beats GPUs, ASICs for ML Inference Efficiency

Mipsology announced that its Zebra AI inference accelerator achieved the highest efficiency based on the latest MLPerf inference benchmarking.

[Read more](#)

### SECURE STORAGE NEWS

## New ASIL-D Certificate Boost Safety and Security Credentials of Winbond's W75F Secure Memory Element

Winbond Electronics Corporation announced that its W75F, the industry's first Secure Flash memory device with Common Criteria EAL5+ certificate, has now achieved the ISO26262 ASIL Grade D safety certification.

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## AIoT Drives Health and Safety Applications

AIoT is the melding of AI and IoT. Until not too long ago, these were two independent technologies, for various reasons. The biggest reason is that AI requires a huge amount of compute power, and the IoT, at least at the Edge, generally wasn't a place where such compute power would reside.

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## Introduction to FPGA Zynq? UltraScale TM

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Date: **December 8, 2:00 p.m. ET**

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### MEMORY AND STORAGE FEATURE

## Different Priorities

Flash memories that are suitable for industrial applications form a market of

their own. While consumer or enterprise SSDs are built into well-ventilated systems, the suppliers of which cope well with the extremely short product lifetimes of storage media; industrial applications demand higher requirements. [Read More](#)



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