



DEVELOPMENT KITS FEATURE

## Prototyping with Solar Energy Harvesting

Energy harvesting has a bad reputation for being overly complicated, but it can be incredibly simple. Arduino revolutionized hobby electronics by simplifying its components down to the point that anyone could do it. Energy harvesting has the same potential.

[Read more](#)



## DEVELOPMENT TOOLS &amp; OPERATING SYSTEMS NEWS

**IAR Systems Updates RISC-V Development Tools**

IAR Systems announced that Version 1.11 of the toolchain IAR Embedded Workbench for RISC-V is now available, adding support for custom extensions and further enhanced optimizations for code execution speed.

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PCIe-Based FPGA Acceleration Card for Data Centers.

Based on 64-bit x86 dual-socket multicore server microprocessors, **Intel?**

**Xeon? 2nd Generation Scalable Silver Processors** deliver higher performance, improved memory speed and power efficiency.

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## EMBEDDED HARDWARE NEWS

**congatec's SMARC Module Uses NXP I.MX 8M Mini Processor**

The new SMARC modules are application-ready subsystems that come with a ready-to-go boot loader, pre-qualified Linux, Yocto and Android BSPs, and fully featured evaluation carrier boards.

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## EMBEDDED NETWORKING NEWS

**Septentrio's Latest GNSS/INS System Comes in a Rugged Housing**

The AsteRx SBI is a GNSS/INS receiver with a rugged, waterproof enclosure that integrates an industrial-grade inertial sensor for accurate, reliable positioning and 3D orientation.

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## Cosel's Configurable Power Supplies Serve Medical Applications

With 24V and 48V outputs and equipped with the 240W module, the AME series has a built-in peak current capability suitable for medical applications such as laser or pulse generator duties.

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Date April 30, 2pm ET

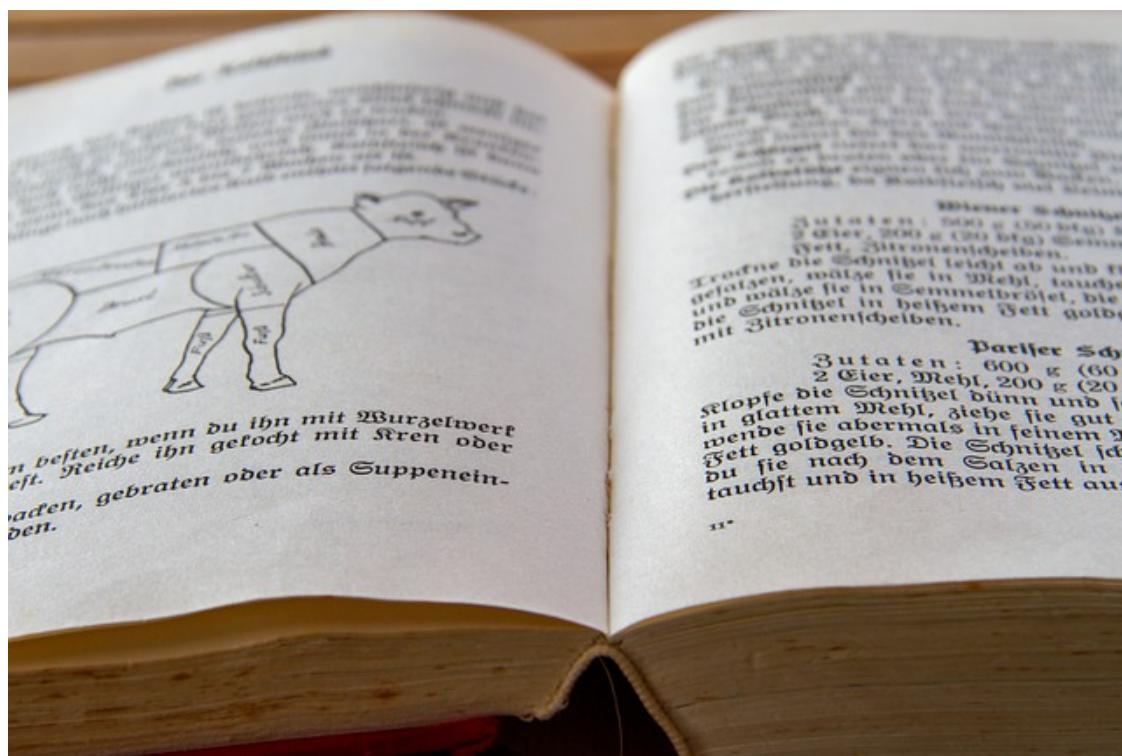
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AI & MACHINE LEARNING PROCESSING FEATURE

## The Recipe for Designing in Deeply Embedded AI

The recipe for an AI design can begin like just any other embedded system ? though perhaps the choice of the right microprocessor/microcontroller should consider the availability of an ?AI-friendly? ecosystem.

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