



Friday 12/6

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IoT SECURITY FEATURE

Help a Hacker

Nowadays, the word 'hack' has bad connotations. The typical thought is that a hacker gains unauthorized access to a website, server etc., with malevolent intentions. Historically, hacking meant something quite different; it referred to an undisciplined approach to writing code, when no consideration is given to design at all.

[Read more](#)



IoT DEVELOPMENT TOOLS & OPERATING SYSTEMS FEATURE

Distributed Database Systems? Relevance to the Internet of Things

A distributed database system is one in which the data belonging to a single logical database is distributed to two or more physical databases. Beyond that simple definition, there are a confusing number of possibilities for when, how, and why data is distributed.

[Read more](#)

Parasoft Announces Support for New 2019 CWE Guidelines

Parasoft, an automated software testing company, announced support for the updated 2019 Common Weakness Enumeration (CWE) Top 25 and "On the Cusp" (an additional 15 weaknesses) for C, C++, Java, and .NET languages.

[Read more](#)

INDUSTRIAL IoT PLATFORM NEWS

Bosch Rexroth's ctrlX AUTOMATION Presented as Most Open Automation Platform Available

Featuring an open software architecture as well as open choice of programming language and app technology, the ctrlX AUTOMATION platform from Bosch Rexroth removes boundaries between machine control systems, IT, and the Internet of Things (IoT).

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Reimagine What is Truly Possible

Mouser's latest ebook examines NXP's use of AI to reshape solutions and products for the future.

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DIGITAL TWIN NEWS

Rittal and Eplan Launch Digital Information Management Solution for Panel Building and Switchgear Manufacturing

Avnet released Avnet Guardian 100, a wireless edge module. The new module adds connectivity to existing equipment. Powered by Microsoft Azure Sphere, Avnet Guardian 100 enables customers to leverage the benefits of IoT to create efficient operations and achieve innovations.

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Free Whitepaper: IoT Security Top 20 Design Principles

In a competitive market, it is important to find a differentiator for your products, and often a competitive advantage is sought through adding smart features and connecting products to business networks or the internet.

However, as new features and connections are added, the security of such systems is often degraded. Fortunately, there are some simple steps that can be taken to increase the security of connected systems.

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OTA UPDATE NEWS

Toradex Releases Over-The-Air Updates for TorizonCore under its Toradex Labs Innovation Brand

Toradex announced the release of an experimental version of its Over-The-Air (OTA) solution under Toradex Labs.

[Read more](#)

Embedding Security by Design in The Product Development Process: What we see in our IoT Security Evaluation Labs

As billions of IoT devices make their way into our offices, factories and households, one of the primary security concerns for IoT actors is confronting low-cost attacks against poorly secured devices.

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Engineering Survey

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SPONSORED BLOG

Virtualization for Embedded Systems: A Bridge to the Future

Burgeoning trends like autonomous automobiles, the Internet of Things (IoT), and increasingly sophisticated industrial and manufacturing devices, machines and systems are forcing change in the world of embedded systems. The old, purpose-built, closed legacy architectures are giving way to a fluid, software-defined, and connected approach.

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IoT Development Kit Guide

Help for embedded and Internet of Things (IoT) design engineers to efficiently identify evaluation kits for system prototyping.

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EMBEDDED EXECUTIVE PODCAST

Dev Kit Weekly: Silicon Labs Bluetooth (5) Xpress BGX13P Starter Kit

Bluetooth 5 prototypers, this one's for you. The Bluetooth Xpress BGX13P Evaluation Kit from Silicon Labs is ? you guessed it ? based on the BGX13P Bluetooth module. That module includes a Bluetooth 5 radio with programmable output power, all of the PHYs required by the Bluetooth 5 spec, and integrated low-frequency oscillator for transitioning into sleep states. This technology suite enables a range of up to 200 m line-of-sight.

[Watch Now.](#)



WEBCAST

Windows 10 LTSC vs. Windows 10 Pro: Comparison of usage scenarios and benefits

Sponsored by: **Arrow Electronics**

Date: **December 10, 11:00 a.m. ET**

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