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EMBEDDED DEVELOPMENT FEATURE

Tear Down: YoLink LoRaWAN Smart Hub

One technology that I was skeptical about was the use of LoRaWAN for home automation products. The bandwidth for LoRaWAN is really low, compared to something like WiFi. However, if you use the protocol for things that don't require high bandwidth, it works surprisingly well (at least I was surprised). While you're not going to be streaming video over LoRaWAN anytime soon (or ever), there are a hand full of places where it makes perfect sense.

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Secure Boot Process is the First Step to a Secure Design

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Date: September 2, 11:00 a.m. ET

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5G INDUSTRY NEWS

SolidRun, Virtium Announce New Partnership

SolidRun and Virtium have announced a collaboration to provide building blocks for creating new technologies for the network edge that fully benefit from 5G.

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Explore AI @ Home

The NVIDIA Jetson Nano Developer Kit is a powerful tool for learning how to develop using AI. It's the perfect platform to start creating amazing projects with real-time image classification, object detection, segmentation, and speech processing.

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MEMORY AND STORAGE NEWS

Swissbit Extends Range of SD Memory Card Series for Industrial Applications

Swissbit has extended its range of industrial SD memory cards with new products: the S-50 and S-56 series. Based on industrial grade 3D NAND technology, the new products integrate flash chips with a controller and firmware, which is aimed at delivering high reliability within a robust housing.

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DEVELOPMENT TOOLS NEWS

Smart Lighting Module from Silvertel combines PoE with LED Driver

Silvertel created a smart lighting module that is aimed at developers of LED Lighting equipment such as Luminaires, Lighting Fixtures, Architectural Lighting, Smart Office, Store Lighting, and Agricultural Lighting.

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Boot Your System Securely, Or You're Vulnerable to Hackers

If your system isn't secure when you boot, all bets are off. In Part 4 of this five-part series, learn how to secure your system right from boot-up.

Secure Provisioning Keeps Files Safe as You Go to Manufacture

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CYBERSECURITY FEATURE

How to Protect Embedded Systems from the Quantum Apocalypse

Yes, quantum computers are big, large, complex, and expensive systems that, at first, will only be affordable for major international technology organizations. However, their use can then spread to various nation states, and eventually to cyber criminals and hackers. The good news is that there are steps that the manufacturing and tech industries can take now.

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Migrating to Quantum-Safe Cryptography



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