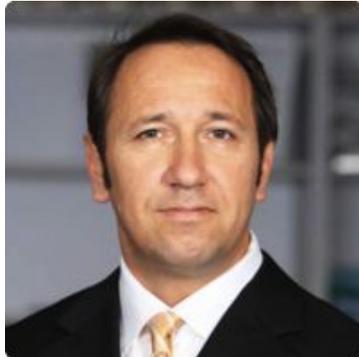


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Five Minutes With... Dirk Finstel, GM of ADLink's Modules Segment



Rich Nass, Embedded Computing Brand Director

PICMG recently released a new version of its embedded computer board standard, one that redefined the pin-out. When dealing with a standard with a long history, changing the pin-out could unnerve designers who are comfortable designing to the previous version. In this week's segment, I asked Dirk Finstel, who is the General Manager of ADLink's Modules Segment, why the association would undertake something like that. In addition, we addressed the backwards compatibility issue, which was one of my primary concerns (and likely yours).

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Development Kit Comparison Reboot



Brandon Lewis, Technology Editor

Earlier this year I introduced a project to help embedded and Internet of Things (IoT) design engineers efficiently identify evaluation kits for system prototyping. At the time I placed various restrictions on the kits. However, after seeing kits that fall outside of these parameters repeatedly used by professionals for prototyping, I've adjusted my strategy.

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IoT, IIoT and a lot of noise

 Dan Yarmoluk, Atek

It is easy for a small or medium-sized business to be overwhelmed with all the noise you hear about the Internet of Things (IoT), Industrial Internet of Things (IIoT), Big Data, machine learning, algorithms, analytics, and artificial intelligence (AI). This further extends to concepts such as digital disruption, digitization, automation, and servitization. We add to [...]

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Get media attention for your MakerPro project

 Jeremy Cook

If you're a MakerPro with a fledgling product to sell, you probably want some sort of media exposure to get the word out about your product. Though I've never had a product to sell, before I started writing for sites like Embedded Computing, I tried to get exposure for my various DIY projects with some [...]

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PROTECTING THE IOT WITH SELF-ENCRYPTING STORAGE, PART 1



Michael Willett, Drive Trust Alliance and



Jon Tanguy, Micron

Problems associated with the loss of data, data breaches, brand damage/impact, and compliance issues are well known to desktop and portable computer users. To avoid the unauthorized access of the data on these types of products, the Trusted Computing Group developed a specification for self-encrypting drives (SEDs). With all hard drive and solid-state drive manufacturers [...]

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Managing Big Data: Moving analysis back to the edge



Adam Justice, Grid Connect

With all the gadgets we use each day, it's easy to lose sight of the fact that many of these devices have processing power equal to the old computer towers from just a decade ago. Add the Internet of Things (IoT) to the equation, and we're generating a mind-blowing amount of data every second of [...]

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White Paper: The impact of the Internet of Things on product development



IBM, IBM

Every day, around the world, engineering organizations are exploring the new technological possibilities of the Internet of Things (IoT). The IoT is changing consumer behavior and expectations. Today's products have moved beyond mechanical and electrical components to now include complex combinations of hardware, sensors, data storage, microprocessors, software and ubiquitous connectivity. Product development in the IoT world is requires proactive development processes that include feedback loops as early and as often as possible in the design process. Companies that can adapt to the fast pace of change in this IoT world have an unprecedented opportunity.

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VIRTUALIZATION GOES INTERNATIONAL



Curt Schwaderer Editorial Director

Software defined networks (SDN) and network functions virtualization (NFV) are key technologies driving data center scaling at the enterprise and cloud application level. Virtualization is extending its reach into network infrastructure and Internet of Things (IoT) applications as well. I caught up with Patrick Blesso, Senior Manager, Product Portfolio at GlobeNet, about their international virtualization [...]

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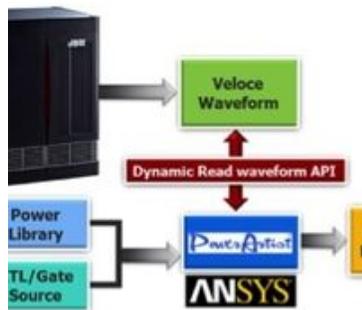
Fluid computing: Unifying cloud, fog, and mist computing



Angelo Corsaro, Chief Technology Officer, PrismTech

In the first two installments of this blog series, we initially looked at the challenges introduced by cloud-centric architectures and how they motivated the rise of fog computing. Next, we defined what fog computing really means and the kind of problems it solves. For completeness, we need to also introduce mist computing. Have you ever [...]

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Emulation tools reinvigorate power analysis in large SoCs



Jean-Marie Brunet, Marketing Director (Emulation Division), Mentor

Graphics

In the new power electronics era, where higher-power switches are being integrated into large system-on-chip (SoC) designs, the traditional methodologies are being replaced with more complex structures. That inevitably adds to design complexities, and here, the next-generation emulation tools can help designers with more detailed and accurate predictions of the power usage at the system, RTL, and gate level.

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CIA AND TPM TO SECURE THE IOT?



Guenther Fischer, WIBU and the Trusted Computing Group

CIA, TPM and IoT: You might ask what these three acronyms have in common and how they relate to each other. To make a long story short, it is all about security, trust, and reliability.

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APPLICATION OF MIPI SPECIFICATIONS FOR INTERCONNECTING COMPONENTS IN IOT SOCS



Hezi Saar, MIPI Alliance

System-on-chip (SoC) designers must confront a new learning curve to build SoC solutions for the Internet of Things (IoT). IoT is challenging for designers because SoCs must support a variety of mobile or mobile-influenced IoT applications and use cases while ensuring that the components and end products perform well within the required operational and cost [...]

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