

IoT Networking Feature

## IoT and the Power of MQTT

Many IoT (Internet of Things) projects fail due to unpredictable costs tipping the balance sheets. A major factor behind this, and one of the biggest contributors to the cost per device, simply boils down to the amount of data being transmitted. This cost that can be mitigated by choosing an efficient way of communicating between devices and applications. MQTT-SN (MQTT for sensor networks) is an optimized version of the IoT communications protocol.

[Read more](#)



Secure Networking News

### **Renesas Electronics Delivers Enhanced Security and Privacy for Bluetooth 5 Connections With 32-Bit RX23W Microcontroller**

Renesas Electronics Corporation, a supplier of advanced semiconductor solutions, introduced the RX23W, a 32-bit microcontroller (MCU) featuring Bluetooth 5.0 for IoT endpoint devices such as home appliances and healthcare equipment.

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technology.

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**Embedded Memory News**

## **Microchip Technology Announces New Family of Serial Peripheral Interface EERAM Memory Products**

Microchip Technology Inc., provider of embedded control solutions, announced a new family of Serial Peripheral Interface (SPI) EERAM memory products that offer system designers up to 25 percent cost savings over the current serial NVRAM alternatives.

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### **Engineering Survey**

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**IoT Networking News**

## **LoRaWAN Gateway for the Internet of Things**

ICP Germany has launched UG85, an indoor LoRaWAN gateway. The UG85 is equipped with a 64-bit ARM Cortex A-53 with 800 MHz, 512MB DDR3 RAM, and 8Gb eMMC flash memory.

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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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WEBCAST

Windows 7 has run its course. Know the differences between Windows 10 LTSC and Windows 10 Pro and Make the Right Choice

Sponsored by: **Arrow Electronics**

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

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**Embedded Toolbox Engineering Interview Series**

## **Embedded Toolbox: Debugging EMI Emissions in Frequency and Time with Rohde & Schwarz' RTO2000' Scope**

Rich Markley, Product Manager for Oscilloscopes at Rohde & Schwarz, walks us through a scenario where you didn't pass EMI emissions testing. Using the

company's RTO2000 Series Oscilloscope and a suite of near-field probes, he's able to detect components – and even traces – that are generating unwanted emissions in just a matter of minutes.

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