


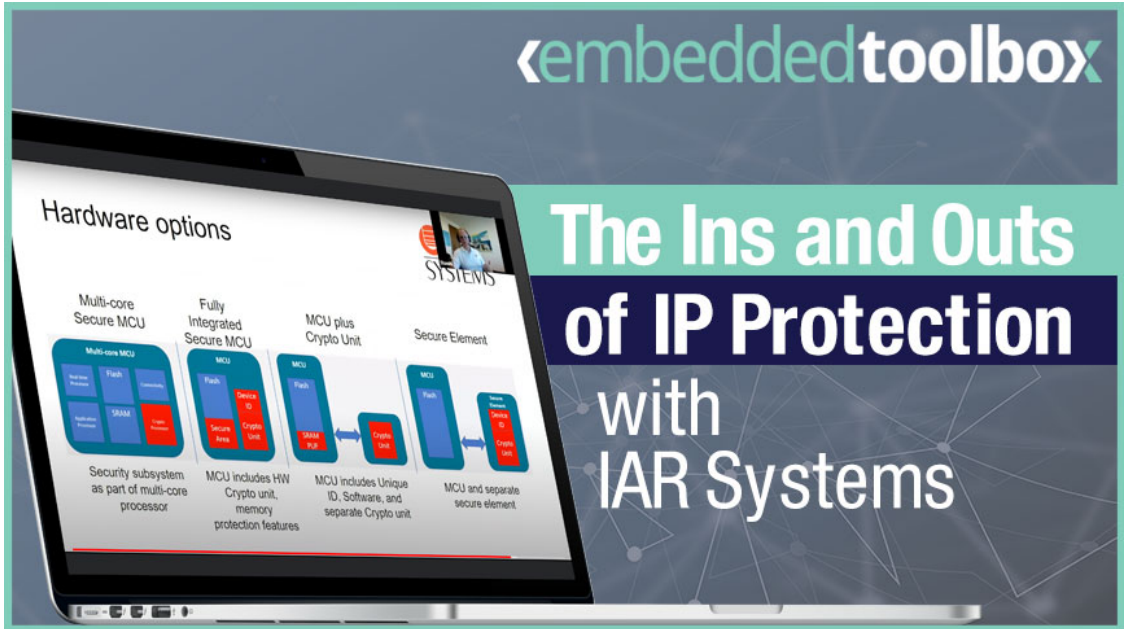
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## POS PROTECTION TECHNOLOGIES FEATURES

# Embedded Toolbox: The Ins and Outs of IP Protection for Embedded Systems

Every year, surveys and polls reveal that embedded and IoT engineers are struggling to take advantage of technologies that could dramatically improve the security posture of their systems. The reasons cited include technical complexity, short time to market windows, and increased cost. In this episode of Embedded Toolbox, Shawn Prestridge, Global Field Applications Engineering Manager at IAR Systems, demonstrates how you can configure C-Trust in a matter of minutes to protect your application IP.

[Watch Now](#)



**embeddedtoolbox**

## The Ins and Outs of IP Protection with IAR Systems

**Hardware options**

- Multi-core Secure MCU**: Security subsystem as part of multi-core processor
- Fully Integrated Secure MCU**: MCU includes HW Crypto unit, memory protection features
- MCU plus Crypto Unit**: MCU includes Unique ID, Software, and separate Crypto unit
- Secure Element**: MCU and separate secure element

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## IoT: Implications on Database Management

Data management - from embedded to IoT systems. Learn about new database management requirements to meet these new challenges.

Sponsored by **McObject**

## SmartWave Technologies to Drive Growth of IoT Market with Acquisition of MultiTech

Combined, the companies plan to drive deployment of proven Industrial IoT first-to-market innovations in low power, wireless access and broadband, low-latency communication technologies, machine protocols, integrated sensors, and mobile applications to further scale the deployment of smart assets, durables and industrial consumables.

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EMBEDDED COMPUTING DESIGN PRODUCT OF THE WEEK

## Ethertronics? Universal Broadband FR4 LTE/LPWA Antenna

The Universal Broadband FR4 LTE/LPWA Antenna from Ethertronics, an AVX Group Company, is a surface-mount (SMT), internal (onboard) antenna that supports the 617 to 960 MHz, 863 to 928 MHz, 1710 to 2200 MHz, and 2500 to 2700 MHz frequency bands.

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Rethinking Digital Transformation: Addressing the Complexities of the New Normal

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Date: **December 3, 9:00 a.m. ET**

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## RTI Introduces Enhanced ROS 2 Support to Accelerate Development of Scalable Robotics Systems

Real-Time Innovations (RTI) announced the availability of the Connex 6 ROS Middleware Wrapper (RMW) Layer, designed to bring the RTI Connex 6 to the latest release of the Robot Operating System (ROS 2).

[Read more](#)

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### The Virtual IoT Device Security Conference

Sponsored by **IAR Systems, Trusted Computing Group, Cypress**

Date: **November 10; 11:00 a.m. ET, 2:00 p.m. ET, 4:00 p.m. ET**

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#### AUGMENTED REALITY NEWS

### LG Electronics and Candera GmbH to Present AR Solution for Automotive Use

The AR solution displays situational key information like ADAS alerts, navigational hints, point of interests (POIs), or pedestrian detection directly onto the road by augmenting the real world with computer-generated visual graphics.

[Read more](#)

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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.

Sponsored by **Digi-Key**

#### EMBEDDED TOOLBOX INTERACTIVE INTERVIEW SERIES

## Embedded Toolbox: Create a Secure Boot Manager on Arm TrustZone in Less Than 10 Minutes

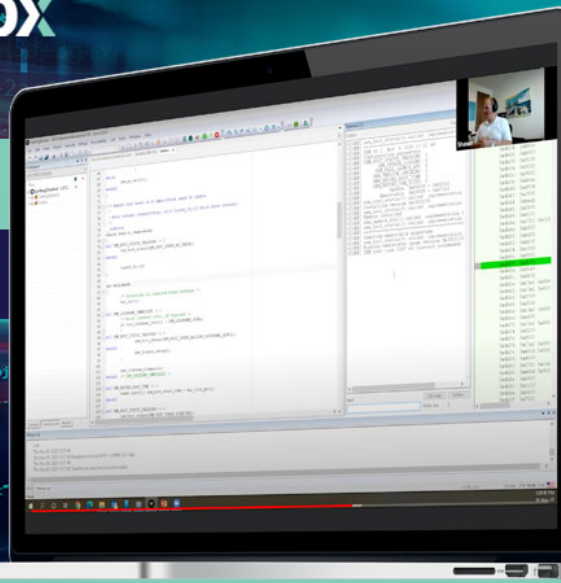
How well do you understand the secure boot process?

If the answer is, "not well," tune into this episode of Embedded Toolbox, where IAR Systems' Global FAE Manager Shawn Prestridge shows how to spin up a secure boot manager on an NXP LPC5500 series development board with Arm TrustZone. Using a configuration wizard in the C-Trust extension of IAR's Embedded Workbench IDE, Shawn keeps the native programming environment and development cycle intact while laying out the foundation for a secure end-to-end system.

[Watch Now](#)

«**embedded toolbox**»

# Create a Secure Boot Manager with IAR Systems



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