**AUTOMOTIVE SECURITY FEATURE**

## Secure Flash ? The Cure for Insecurity in Connected Automotive and Industrial Applications ? Part 3

In part 1 of this series, we covered the importance of security in connected embedded systems and the dis-integration of Flash forcing the use of external Flash. In part 2 of this series, we covered Secure Flash, the next generation of smart memory. In this final part of the series, we will cover design issues related to secure embedded systems using external Flash.
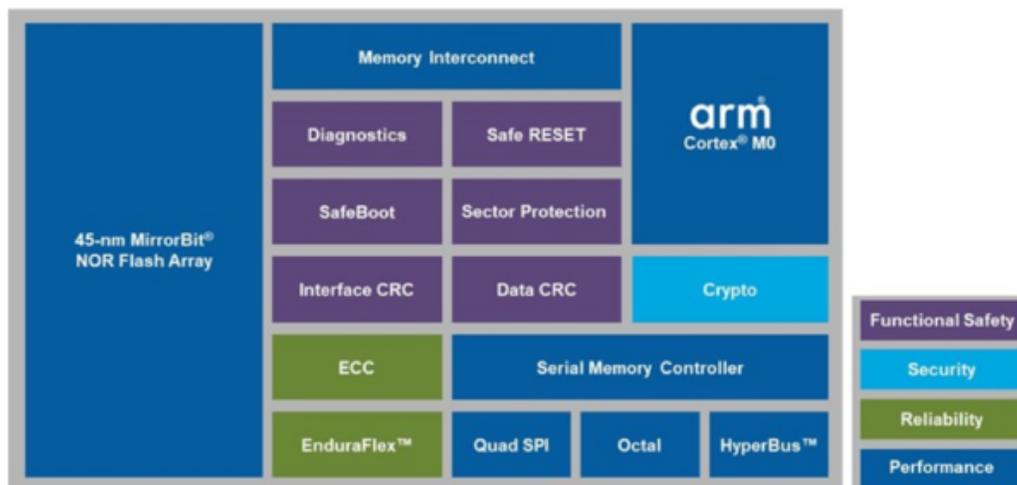
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Figure 4 – Embedding a processor in the NOR Flash, as shown here, makes the external memory smart, and that in turn makes it possible to deliver the performance, reliability, security and functional safety needed in embedded systems.

**AUTOMOTIVE SMART CHARGING NEWS**

**dSPACE Offers A Solution For Developing and Testing New Technologies For Smart Charging**

The DS5366 Smart Charging Solution from dSPACE offers automobile manufacturers and providers of charging stations a solution for developing and testing technologies for smart charging.

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**AUTOMOTIVE SOFTWARE NEWS**

**BlackBerry Launches New Solution to Strengthen Automotive and**

**Embedded Software Portfolio**

BlackBerry Limited announced the launch of QNX Black Channel Communications Technology, a new software solution that OEMs and embedded software developers can use to ensure safe data communication exchanges within their safety-critical systems.

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AUTOMOTIVE SOFTWARE TESTING NEWS
**Spirent Releases SimHIL, HIL Software Testing Solution**

SimHIL helps produce coherent data from GNSS and inertial sensors to their sensor fusion algorithms within HIL test environments. This solution may assist OEMs and suppliers developing advanced driver-assistance systems (ADAS), V2X, and sensor fusion engines.

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AUTONOMOUS MINING VEHICLES NEWS
**Wind River and TAGE Team to Advance Autonomous Mining**

TAGE has developed an autonomous haulage system solution based on an edge to cloud architecture, including an intelligent cloud platform, V2X telematics, and intelligent autonomous mining vehicle.

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AUTOMOTIVE DISPLAY NEWS
**Pro-face America Announces the Release of the SP5000X eXtreme HMI Series**

This new series is an addition to the Pro-face family and provides a solution to the automation industry's need for HMIs that can be used in extreme and hazardous conditions, including outdoor applications.

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EMBEDDED EXECUTIVES PODCAST
# Patrick Wadden, Global VP, Automotive Business Development, Vicor

Decentralized power is a phenomenon that?s starting to hit the automotive

sector. Is it better to have lower power levels in more places in the car, as opposed to one centralized place? Hmm, I?m not sure, as I think I can make an argument for either solution. Rather than attempt a guess, I went right to an expert for this week?s Embedded Executives podcast. That expert is Patrick Wadden, Vicor's Global Vice President of Automotive Business Development. He explains which is the better approach and why.

[Tune In.](#)



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