

## CYBERSECURITY FEATURE

### Rethink Cybersecurity: Secure Your Industrial Enterprise

The majority of industrial enterprises have faced increasing cyber threats since the start of the COVID-19 pandemic. Computer criminals are launching ransomware attacks targeting industrial control systems (ICS). According to computer and information research scientists, it is the first instance of file-encrypting malware that has been built to directly infect computer networks that control operations, manufacturing, and utilities environments.

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## POWER ELECTRONICS NEWS

### TI Introduces Automotive GaN FET with Integrated Driver, Protection, and Active Power Management

Texas Instruments recently expanded its family of high-voltage power-management devices with the introduction of 600- and 650-V gallium nitride (GaN) FETs, dubbed the LMG3425R030. There are four new devices in the family.

[Read more](#)

Validation at Any Location. 3 Musts for Uninterrupted Testing

If 2020 has shown us anything, it's that the line between work and home has become incredibly blurry, dissolving the means for compartmentalizing our lives. How do we do validation at home?

Sponsored by **National Instruments**

#### AI & MACHINE LEARNING NEWS

### **ADLINK's Edge AI Powers Autonomous Race Cars for Indy Autonomous Challenge**

ADLINK will provide university teams with rugged deep learning acceleration edge platforms, engineering resources for in-vehicle computing, and open source software support for ROS-based middleware.

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#### AUTOMOTIVE DEVELOPMENT TOOLS NEWS

### **Arrange and Evaluate Wiring Harness Diagrams with PREEvision Auto-Layout**

In the model-based approach of PREEvision, E/E architects and wiring harness engineers work hand-in-hand, using common data: Engineers directly refine the initial description of the electrical distribution system that is developed during the architecture design phase and add further details.

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### **AIoT Drives Health and Safety Applications**

AIoT is the melding of AI and IoT. Until not too long ago, these were two independent technologies, for various reasons. The biggest reason is that AI requires a huge amount of compute power, and the IoT, at least at the Edge, generally wasn't a place where such compute power would reside.

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#### ADVERTISEMENT

### Introduction to FPGA Zynq? UltraScale TM

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Date: **December 8, 2:00 p.m. ET**

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#### AUTOMOTIVE POWER ELECTRONICS FEATURE

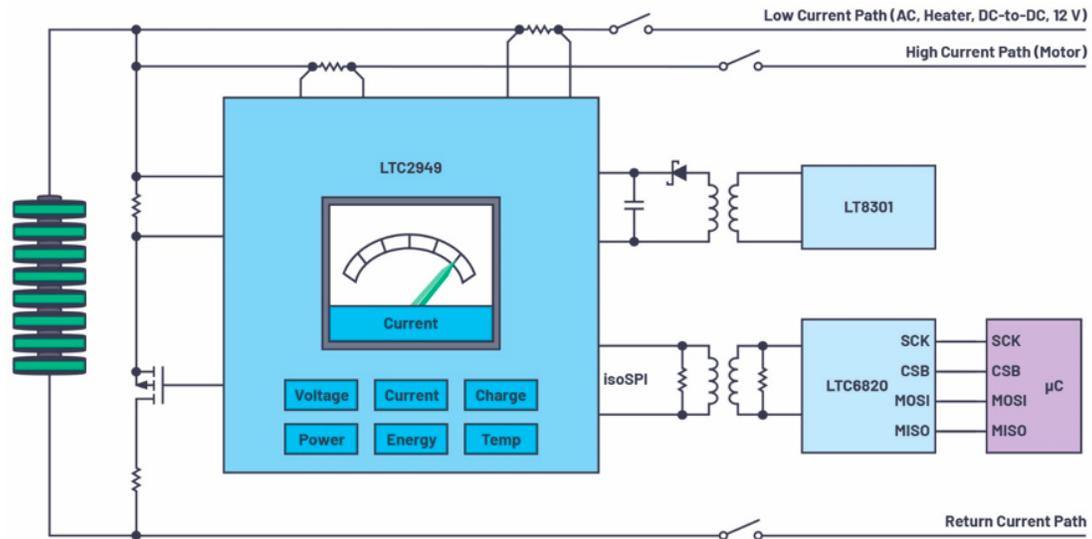
### **Low-Voltage Battery Monitoring for High-Voltage Electric Vehicles**

Range anxiety has become a thing of the past. You can now help preserve the environment without worrying about being stuck in it. Governments around the world offer generous financial incentives to offset the premium prices of EVs, hoping to steer you away from buying internal combustion engine (ICE) vehicles.

If you are not already driving an electric vehicle (EV) ? hybrid electric vehicle

(HEV), plug-in hybrid vehicle (PHEV), or all-electric vehicle ? chances are, you may be soon.

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