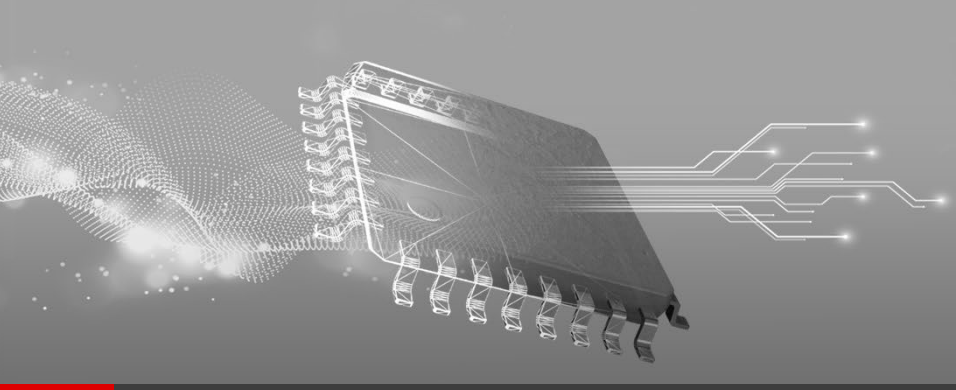


ELECTRONICA 2020

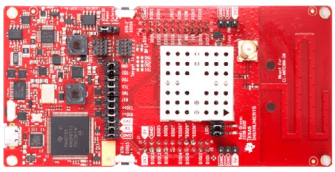
What's new in smart homes and buildings?

ti.com/electronica

Long-range networks with concurrent *Bluetooth*® Low Energy

From building security systems to HVAC systems to smart cities, add Bluetooth Low Energy to your long-range Sub-1 GHz network with the SimpleLink™ multi-band CC1352P wireless MCU with integrated power amplifier.

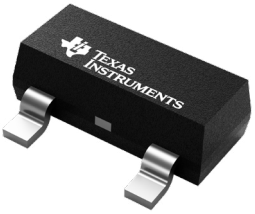
Discover more



Low power (5 Hz, <1µA), low voltage (5.5-V) switch

The DRV5032 is an ultra-low-power digital switch Hall-effect sensor, designed for compact and battery-sensitive systems. It is offered in multiple magnetic thresholds, sampling rates, output drivers, and packages to accommodate various applications.

Learn more



The world's lowest I_Q DC/DC switching regulator

At just 60nA, the TPS62840 synchronous step-down converter has the lowest quiescent current of any switching regulator in the industry, providing increased battery life, high light-load efficiency, and smaller solution size.

Learn more

11-V, 1.8-A H-bridge motor driver

Reduce system size and cost and extend battery life in your building automation designs using our brushed DC motor and solenoid H-bridge driver with low power sleep mode and integrated protection features (OCP, TSD, UVLO).

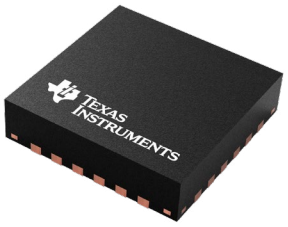
View product

Texas Instruments

Use MCUs for housekeeping functions to save costs

Using an affordable MSP430™ MCU as a secondary MCU for housekeeping functions can help you minimize discrete analog components, saving money on overall system costs.

Learn more



3.2-W Class-D short-circuit protection audio amp

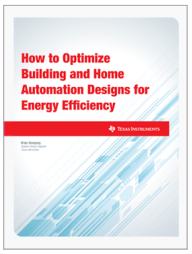
The TPA2011D1 is a 3.2-W, high efficiency, filter-free, Class-D, audio power amplifier in a 1.21mm x 1.16mm WCSP that requires only three external components. It features 95% efficiency, 86-dB PSRR, 1.5 mA quiescent current and improved RF immunity.

Learn more

Optimize energy efficiency in homes and buildings

Learn how nanopowered devices help increase functionality and decrease power consumption.

Read white paper



Enabling the next generation of video doorbells

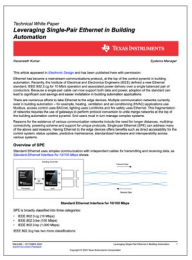
Video doorbells are changing the face of this decades-old device and semiconductors are ready to meet the challenge.

Read white paper

Leveraging single-pair Ethernet in home automation

Learn how single-pair Ethernet (SPE) can address needs such as longer distances, multidrop connectivity and support for unique protocols.

Read white paper



Extending battery life in smart e-Locks

Our building automation team discusses the methods to extend battery life in smart lock architectures by reducing system standby power consumption.

Read white paper