

## Market News

### **Digital SupIRBuck™ from Infineon reduces time-to-market; voltage regulators offer a digital interface for easy and fast configuration**

Munich, Germany – January 26, 2016 – Infineon Technologies AG (FSE: IFX / OTCQX: IFNNY) today introduced the PMBus SupIRBuck voltage regulator family. The devices are easy-to-use, fully integrated and highly efficient DC-DC regulators with I<sup>2</sup>C/PMBus interface. The integrated PWM controller, MOSFETs and Bootstrap diode make them space-efficient solutions, providing accurate power delivery for low output voltage and high current applications. Due to the programmable digital interface with remote testing using telemetry, customers will benefit on up to 90 percent reduced design and test times – allowing significantly shorter time-to-market. Additionally, the highly integrated devices further reduce the board space in the range of 50 percent compared to conventional 2-chip solutions.

The new SupIRBuck voltage regulators are ideal for applications in data centers, network storage, wireless infrastructure, mass computing or industrial automation. The devices can be comprehensively configured via PMBus and the configuration stored in internal memory. In addition, 75 PMBus commands allow precise run-time control, fault status monitoring and telemetry of parameters like  $V_{in}$ ,  $V_{out}$ ,  $I_{out}$ ,  $T$  or  $P_{out}$ . The new synchronous buck regulators can also operate as a standard analog regulator without any programming and can provide current and temperature telemetry in analog format.

Infineon offers the IR38060 with an output current of 6 A in a PQFN5x6 package. IR38062, IR38063 and IR38064 provide 15 A, 25 A and 35 A respectively in PQFN5x7 packages. The devices are specified for the industrial temperature range of -40 °C to +125 °C. The new voltage regulators support a high switching frequency of up to 1.5 MHz and high telemetry accuracy ( $I_{out}$  +/- 5 percent). The accuracy of the reference voltage is specified with 0.5 percent. All derivatives are available in high quantities. Further information on the PMBus SupIRBuck family is available at [www.infineon.com/supirbuck](http://www.infineon.com/supirbuck).

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