

Object:

# Dave presents Lizard: the innovative CPU module based on TI AM3505/AM3517 processors



Dave, a company specialized in design, production and marketing of miniaturized embedded systems for industrial applications, launches on the market Lizard, the **new CPU module based on the newly announced AM3505 and AM3517 ARM microprocessor from Texas Instruments Incorporated (TI)**.

The new Lizard is a **groundbreaking** solution, based on the superscalar Cortex-A8 processor, and is specifically designed to satisfy the increasing demand of systems requiring high performance but low power consumption levels.

Lizard offers high flexibility, thanks to the complete interfaces set and the extremely compact form factor (70mm x 50mm). The Lizard features the **NEON** multimedia accelerator, a **PowerVR SGX** 3D graphics engine from Imagination Technology (capable of 10Mpoly/s), on-board NOR and NAND flash memories as well as support for **high-resolution** displays. Moreover, it is one of the first solutions in the market that can offer a rich set of peripherals (including CAN, Ethernet, serial buses and 3.3V GPIOs) together with huge computational power (to run complex operating systems like Linux and WinCE), being at the same time very energy efficient. In addition, Lizard is pin-to-pin compatible with Dave's Zefeer ARM9 CPU module family, allowing customers to revamp their systems with reduced efforts.

The industrial specification compliance, including the extended operating temperature range from **-40°C to +85°C** considerably broaden the application range, which can run from industrial control home automation to point-of-service products.

With the new Lizard, an immediate implementation of all embedded systems is possible. Customers have a "dramatic" abatement of **time-to-market** due to the use of a CPU module that supplies all the key components of the system (CPU, RAM, PSU, flash memories and peripherals). This allows customers to concentrate on further differentiating their products by focusing only on the design of the host board and the final application.



**Innovation and continuity**  
by Stefano Dal Poz  
CEO of Dave S.r.l.

*Lizard is the perfect example of this strategy, which extends to the top-level our ARM CPU modules offering, keeping full compatibility with the previous Zefeer family. Thus, we guarantee the economic and technical value of the choices already made, increasing at the same time performance, efficiency and software support. For these reasons, Lizard stands as a candidate to become our leading CPU module for the near future.*

*We make it a point to always offer **state-of-the-art solutions**, but at the same time we want to provide our customers with our long-time expertise, **to help them** in the development of solutions that can last even for **decades**.*

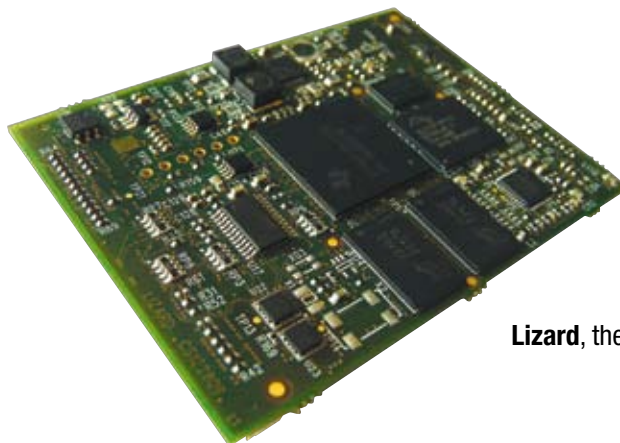
**Focus on**  
by Elizabete De Freitas  
ARM Processors Product Marketing Manager, TI

*since they provide a very high computing performance and an enriched peripheral set, for the next generation of high demanding industrial applications. We are happy to be fully aligned with Dave, since both of us believe in products providing a very short time to market to end customers and high reliability and longevity, which are highly appreciated by the industrial market*

*We are very excited about the launch of the Lizard module, based on TI's new Sitara ARM Cortex-A8 processors,*

**Links**  
**Lizard Web Page:** <http://www.dave.eu/dave-cpu-module-am3517-lizard.html>  
**Lizard Product Brief:** <http://www.dave.eu/files/lizard/lizard.pdf>  
**Lizard Hardware Manual:** <http://www.dave.eu/files/lizard/lizard-hm.pdf>  
**TI Sitara ARM Microprocessor:** <http://focus.ti.com/dsp/docs/dspplatformscontento.tsp?sectionId=2&familyId=1875&tabId=2643>

**Dave S.r.l.**  
Via Forniz, 2/1  
33080 Porcia (PN) - Italy  
Tel. + 39 0434 921215  
Fax + 39 0434 1994030  
www.dave.eu  
info@dave.eu  
P. IVA 01365430931



Lizard, the new Dave's CPU module

