FOR IMMEDIATE RELEASE

From 3'000 to 170'000 DMIPS processing power in a full-featured avionic mission computer: That's the promise of the new ROCK-2 by CES.

ROCK-2 will be on display in Paris, France at the International Paris Air Show (Le Bourget) in CES booth #A52 in Hall 4.

International Paris Air Show, Paris, France, June 15th, 2015 – Creative Electronic Systems (CES) announces ROCK-2: a rugged, modular, open-architecture, pre-qualified, application-ready, safety-certifiable, Commercial-Off-The-Shelf (COTS), full-featured avionic system with a computing power scalable from 3'000 to 170'000 DMIPS.

"We believe that ROCK-2 sets a new level in terms of SWaP optimization in 3U VPX form factor", say Yves Mathys, COO, CES. "Our system is scalable from 3'000 to 170'000 DMIPS making no compromises on the number and type of I/O or video processing capability. Our airborne chassis carries only 4 slots. This is all it takes to achieve the most powerful configuration".

CES uses an innovative approach where basic functions such as I/O or video/graphics are designed on carriers while the SBC function is designed on XMC. The XMC are then installed on the carriers saving space but also offering easy, low-cost system upgradability.

ROCK-2 offers a really short time to mission. The transition from air-cooled laboratory to conduction-cooled airborne environment is straightforward thanks to the cross-compatible laboratory and airborne chassis. In fact, software engineers and system integrators can start working with ROCK-2 out-of-the-box using the very same boards.



ROCK-2 chassis (left lab, right air)

OpenVPX™ compliant and 3U VPX based, ROCK-2 adopts an Integrated Modular Avionics (IMA) architecture. It is the ideal candidate for airborne applications with a central mission computer managing several functions of different Design Assurance Level (DAL). ROCK-2 is built upon safety-certifiable building blocks and can be optionally delivered with all the documentation, certification evidences and artifacts required for a DO-178C/DO-254 certification up to DAL-C. However, ROCK-2 is not limited to safety-certifiable applications and is affordable to a wide variety of applications.

About CES

CES is a global company designing and manufacturing rugged embedded computers engineered to meet the most demanding performance needs for optimal Size, Weight and Power (SWaP) considerations. Our Commercial Off-The-Shelf (COTS) products are made to

withstand the extremes of temperature, shock and vibration associated with deployment in Aerospace & Defense as well as Rugged Industrial markets. The ability to deliver safety-certifiable products at the board or system level makes CES a unique partner for your next program whether supporting mission-critical or safety-critical functions.

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