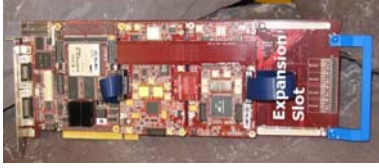


# PRESS RELEASE

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SUNDANCE GEARS-UP TO ENABLE  
NEXT GENERATION GROUND AND  
AIR COMMUNICATIONS SERVICES  
WITH E2V



## **SMT8121 Platform Solution Enters its Second Generation Delivering 1 Gbps Performance from e2v for Real-Time Aerospace, Defence, and Carrier Grade Communications Applications.**

**London, England — 18 April 2008** — Sundance, the leading supplier and manufacturer of advanced digital signal processing (DSP) and reconfigurable FPGA systems today announced availability of its second generation, high performance SMT8121 communications development platform. The announcement coincides with a decision by the UK's communications services regulator Ofcom to permit the use of mobile phones on aircraft. Passengers' own mobile phone handsets will be able to connect to an on-board base station and access a range of communications services.

Already used as the environment of choice for High Speed Direct IF by some of the world's leading electronics companies, the SMT8121 delivers 1Gbps sustained performance and features high performance, low power FPGAs and DSPs connected to multi-channel high speed data converters from e2v. The SMT8121 is a modular system comprising e2v's AT84AD001BCTD Dual 8-bit 1Gbps ADC, multiple Xilinx Virtex II Pro and Virtex 4 FPGAs, TI C64 DSP and DAC technology from Fujitsu. Used for multi-carrier/ multi-standard cellular systems, high direct-IF infrastructures, radar systems and test equipment the SMT8121 provides two input and two output channels each sampling at 1Gbps.

"In the SMT8121 we have a platform that is geared to supporting an array of next generation communications services and roadmap applications for the hand-set manufactures and cellular base-station providers", said Flemming Christensen, managing director of Sundance Multiprocessor Technology Ltd. "The SMT8121 supports the drive for a Software Defined Radio platform that can handle Direct IF, and its low power and high performance mean it is a practical solution in environments that range from the boardroom to the battlefield. With plans now confirmed for airlines to offer mobile communication services we are also seeing

interest from the developers of advanced in-flight communications systems.”

With the SMT8121 focused on applications where fast sampling speed (up to 2Gsp/s), flat spectral output, high input analog bandwidth and very low power consumption are key factors, the dual channel ADC data converter from e2v technologies was selected by Sundance developers. The e2v solution not only met the GHz performance and low power specification needed for the SMT8121, but also provided a user-friendly serial programming (3-wire) interface for rapid design and set-up over a range of target markets including aerospace, defense and satellite.

“Our fast GHz ADC technology has provided a benchmark for design flexibility, ease-of-use and performance for numerous applications including software radio, test equipment and communications” said Andrew Benn, Product Marketing Manager at e2v. “e2v continues to provide technology leadership with higher performance and greater design flexibility with the Quad 8-bit 5Gsp/s ADC. The investment made by Sundance in our ADC technology is testament not only to the technical performance of our solutions but also the cost advantage we provide in very high performance systems.”

The SMT8121 is fully supported and supplied with the 3L Diamond design environment that allows the user to easily and efficiently implement algorithms on any of the available DSPs, FPGAs and PowerPCs. Host-side software interface to the PC is included and the solution is supported by TI’s Code Composer Studio.

Available immediately from Sundance, the SMT8121 provides maximum flexibility and field upgradability to a range of FPGA and DSP parts. The SMT8121 maintains the legacy tradition of Sundance’s forward and backwards compatibility.

**Editor Note:**

Ofcom is the independent regulator and competition authority for the UK communications industries, with responsibilities across television, radio, telecommunications and wireless communications services

Supporting photos of the SMT8121 are available from Sundance Microprocessor Technology Ltd.

**About Sundance**

Sundance leads the world in the design and manufacture of mixed COTS digital signal processing and FPGA architectures. Sundance modular and customizable COTS hardware and software systems are easy to reconfigure to suit all high-speed I/O and signal processing applications, enabling the rapid prototyping and development of embedded systems. Designers and manufacturers of wireless infrastructures, satellite communications, industrial signal processing, sonar/radar, software defined radio (SDR), multimedia and telecommunications, all depend on the flexibility of Sundance's mixed DSP+FPGA platforms and systems to get their products to market – FAST!

Key design and manufacturing facilities are located in the UK, and mainland Europe and our worldwide network of agents – extending as far as Asia – provides quality service and support.

**Web:** <http://www.sundance.com/>

**About e2v**

e2v technologies is a leading designer, developer and manufacturer of specialised components and subsystems, falling within two product groups:

- Electronic tubes
- Sensors and Semiconductors

These products enable some of the world's leading OEMs to deliver innovative systems for medical and science, aerospace and defence, and commercial and industrial applications.

For the year ended 31 March 2007, e2v achieved sales of £174m and is listed on the London Stock Exchange (e2v.l).

e2v has approximately 1,800 employees worldwide with three UK based manufacturing sites in Chelmsford, Lincoln and High Wycombe, and one in Grenoble, France and one in Corcelles, Switzerland. In addition e2v has sales offices in the UK, USA, Germany, France and Hong Kong, as well as a network of distributors and representatives covering other key territories.

Further information on e2v technologies plc is available from its website,

**Web:** <http://www.e2v.com>

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