

PRESS RELEASE

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NEW BOARDS UNLEASH DSP POWER

– WITH A GREEN TWIST!

SUNDANCE

London – England

When is enough DSP power, enough? In rapid prototyping, the answer is never! With this in mind, the new SMT348 and SMT368 from DSP experts, Sundance Multiprocessor Technology, pack extreme DSP processing-power density and are designed to deliver performance like Ferraris on steroids.

Based on the Xilinx Virtex4 range, the SMT348 features 16MB of blistering fast QDRII memory; ensuring ample capacity to develop today's demanding applications. With 8MB of ZBTRAM, the lower cost SMT368 is also more than capable of reducing prototype development times.

Besides raw speed, both the SMT348 and SMT368 are scalable and future-proof. They include SHB interfaces and the SLB (Sundance LVDS Bus) interface. These provide quick and easy connection to Sundance's rapid ADC and DAC modules, such as the SMT390 (capable of 210MSPS) and the SMT391 (capable of 1GSPS), for data acquisition or software radio systems. Also, they are both in the Sundance TIM-compatible form-factor. This ensures they integrate easily with a large range of other DSP and FPGA modules.

Not just impressive stats, importantly, this all adds up to a tremendously quick platform for developers of Multi-carrier/Multi-standard cellular systems, High Direct-IF infrastructures and RF Test Equipment applications. Also SDR development teams, scientists, satellite, Radar, WiMAX, 3G and other RF system developers, researchers, aerospace engineers and Matlab modellers, will all appreciate the capability and return on investment promised by such a rapid prototyping tool.

DSP system analyst with Sundance, Sebastien Maury, explained, "The introduction of the SMT348 and SMT368 means Sundance can offer rapid prototype development teams more than 250 possible combinations of COTS DSP, FPGA and TIM boards to meet their constantly changing needs."

So what is the Green twist? The SMT348 and SMT368 are one hundred percent compliant with the RoHS (Restriction of the Use of Certain Hazardous

EDITORIAL ENQUIRIES

USA

Sundance DSP Inc.

Dr. Nory Nakhaee

4790 Caughlin Parkway 233, Reno,
NV 89509-0907, U.S.A.

Tel: (775) 827-3103

Fax: (775) 827-3664

email: <mailto:Nory.N@sundance.com>

MIDDLE, SOUTH, EAST EUROPE

Sundance Italia S.R.L.

Dr. Fabio Ancona

Corso XXV Aprile 55/3

16040 S. Salvatore di Cogorno (GE), Italy

Tel: +39 0185 385193

Fax: +39 0185 385370

email: Fabio.A@sundance.com

NORTH EUROPE & REST OF THE WORLD

Sundance Multiprocessor Technology Ltd.

Mr. Flemming Christensen

Chiltern House, Waterside, Chesham

Bucks, HP5 1PS, England

Tel: +44 (0)1494 793167

Fax: +44(0)1494 793168

email: Flemmig.C@sundance.com

Substances) directive. The modules are built on Sundance's in-house vapour-phase production process. Sundance's QA manager, Ann Rosenhagen, commented, "From my time at the London School of Economics, I have always been interested in the impact of products on the environment. It is great to work with a company that takes the issue seriously and is taking a lead to reduce harmful waste."

Full specifications of the new DSP modules are available on the web at <http://www.sundance.com/twist>. The company is also happy to advise on their suitability for particular applications. In the UK call +44 (0)1494 793167 or in the US call (775) 827 3103.

More information in UK:

Sebastien Maury, DSP System Analyst, Sundance Multiprocessor Technology Ltd

Chiltern House, Waterside, CHESHAM, Bucks HP5 1PS

Tel. +44 (0)1494 792421 Fax. +44 (0)1494 793168

E-mail: CIPR0274@sundance.com Web: www.sundance.com

More information in USA:

Dr Nory Nakhaee, Sundance Digital Signal Processing Inc.

4790 Caughlin Parkway #233, Reno, NV 89509-0907, USA

Tel. (775) 827 3103 Fax. (775) 827 3664

E-mail: CIPR0274@sundance.com Web: www.sundance.com

Acronyms

3G – 3rd Generation wireless format

ADC – analogue to digital converter

CDMA – code division multiple access

COTS – commercial off the shelf

DAC – digital to analogue converter

DSP – digital signal processing

FPGA – field programmable gate array

GSPS – giga samples per second

HDTV – high definition TV

IF – intermediate frequency

MSPS – mega samples per second

QDR – quad data rate

RF – radio frequency

RoHS – restriction of the use of certain hazardous substances

SDR – software defined radio

ZBT – zero bus transfer