



NEWS RELEASE

FOR IMMEDIATE RELEASE:

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Sundance's PC/104[®] I/O Carrier Meets VITA57.1[™] I/O Mezzanine

“SMT105-FMC bridge Stackable PC/104 with Versatile FMC I/O Interfaces”

London, UK – 10th December 2014 – Sundance, an established supplier and manufacturer of Embedded Computing Modules, has announced the immediate availability of the SMT105-FMC, a PC/104 I/O Carrier for the integration of the growing range of VITA57.1 FMC add-on I/O Mezzanine Modules that are controlled by a field-programmable-gate-array (FPGA) and effectively is a bridge between “Real-World” I/O signals and the PCI Express interfaces found on the latest generation of PC/104 Small-form Factor Standalone-Board-Computers.

The FPGA on SMT105-FMC can also serve as a data-buffer for data acquisitions solutions, as a frame-buffer for FMC I/O Modules and furthermore can be used for pre-processing functions that reduce the amount of data that is moved to the Host Controller for application processing and control.

“The integration of functions into a single piece of silicon – System-on-Chip (SoC) – has enabled PC/104 vendors to design an entire PC on single stackable PC/104 board on its small foot-print of 90mm x 96 mm. The SMT105-FMC provides a bridge between 100's of the FMC I/O boards on the market today and any PC/104 Host Controller”, states Flemming Christensen, Managing Director of Sundance Multiprocessor Technology Ltd. “It's actually possible to add multiple SMT105-FMC onto the PC/104 stack, as the PCI Express concept on the PC/104 allows routing of the data through eight PC/104 stackable boards”

The SMT105-FMC can either be supplied with an integrated FMC I/O Module with all features integrated as a “Turnkey-IO-Board” that can be controlled by a either Windows or Linux Operating System running on the PC/104 SBC or can be supplied without any FMC I/O Module to enable an in-house solution to be created. The FPGA VHDL-sources, electronics-circuits and all driver software is supplied for further development requirements.

It is furthermore possible to develop a “Host-Less” solution and transfer data long distance using the optional fiber interfaces on the SMT105-FMC.

The 100+ pricing for SMT105-FMC starts at US \$1495.00. The SMT105-FMC is available ex-stock, whereas combination with an FMC I/O is on typical 6-8 weeks lead-time.

About Sundance

Sundance designs, develops, manufactures, and markets internationally high performance signal processing and reconfigurable systems for original equipment manufacturers in the wireless and signal processing markets. Leveraging its multiprocessor expertise and experience, Sundance provides OEMs with modular systems as well as data acquisition, I/O, communication and interconnectivity products that are essential to multiprocessor systems where scalability and performance are essential. With over fifty different modules and carriers for PC/104, PCIe/104, PXI Express, and standalone platforms, Sundance is a solution provider to semiconductor, pharmaceutical and factory automation industries. Sundance, founded in 1989 by the current directors, is a member of the TI 3rd Party Program, Xilinx Alliance Partner, PXI Alliance and MathWorks’ Connection programs.

Sundance is a member of the PC/104 Consortium, the focal point for the entire PC/104 industry including manufactures and OEMs. It provides a place for information on current specifications, product offerings, news and events, and a place to advance and develop specifications that are consistent and stable for long-term use.

For more information visit http://www.pci104.biz/product_info.php?products_id=129

