

Sundance brings ‘Lights’ to PC/104™ Community



Duplex fibre optical interface connects two PC/104 stacks.



London, UK – November 30, 2011 – Sundance, a leading supplier and manufacturer of advanced digital signal processing and reconfigurable systems has introduced the SMT105, a PCIe/104™ Type 2 card with integrated dual Fibre Optical Transceivers. The latest addition to the Sundance’s line of PCIe/104 modules enables PC/104 stacks to be connected to each other or to other data sources via the duplex fibre interface. The fibre connection supports transfers of 100 meters at 4Gbit per second or/and 500 meters at 1Gbit per second.

“High speed interconnection between systems and data sources is an increasingly difficult challenge for embedded system designers”, said Flemming Christensen, managing director of Sundance Multiprocessor Technology Ltd. *“The SMT105 uniquely solves that problem for designers using stackable PCIe/104 modules.”*

The SMT105 includes 256Mbytes of buffer storage, a USB2.0 interface, a microSD slot, multiple RS232-C transceivers and more than 100 LVDS I/O pins for customer specific interfaces. The SMT105 is designed to operate in a host-free, stand-alone environment for more deployment options. Linux support is available for the on-board PowerPC® 440 core.

Typical applications for the SMT105 involve high-speed data acquisition where the data collection may be in a remote location or a hazardous environment and the SMT105 will transfer the collected data via fibre to a host computer. The SMT105 has a dual SATA interface to enable local backup should the transmission link be interrupted or overflow.

Pricing for SMT105 starts at US \$2,495 quantity one. The SMT105 is available in most configurations from stock.

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 Third Party Program, Xilinx Alliance Partner, PC/104 Embedded Consortium, PXI Alliance and MathWorks' Connection programs.

For more information visit www.sundance.com.

Details on the SMT105 can be found at:

www.pci104.biz/product_info.php?products_id=34

About the PC/104 Embedded Consortium™

The Consortium is 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.

The PC/104 Embedded Consortium and standard were established in 1992. **PC/104**, in use since 1987, is a small form factor, embedded PC physical and electrical interface standard. It provides embedded system designers with an architecture that is dense, cost effective and based on proven, practical technology. **PC/104-Plus**, an extension that was added to the standard in 1995, incorporates PCI technology. A PCI only version, **PCI-104** was incorporated into the specification in 2003. **EPIC** form factor, a mid-sized format that supports PC/104 and PC/104-Plus was adopted in early 2005.

For more technical information on PC/104, PC/104-Plus, PCI-104, PCI/104 Express, PCIe/104, EBX, EBX Express, EPIC, and EPIC Express specifications, please visit www.pc104.org.

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