

*SUNDANCE propose **Special University Offers** for Industrial Control, Automotive, Sonar, Space/Physics and Precision Automatics solution based on PCI and Stand-alone platforms and full SW tools for Windows and Linux environment. In addition to this, it includes full integration and compatibility with Simulink/Mathworks® tools for simulation and DSP/VHDL code generation.*

Description

The package is a highly professional system based on DSP, FPGA and DAQ technologies.

Here in the following we proposed 4 solutions.

Control Kit - SMT8001

Features:

- PCI platform for development and target system
- On-board XDS-510 compatible JTAG Master
- 512Kbytes Flash ROM for configuration
- PCI Host interface bandwidth via global bus in excess of 100 Mbytes/s @ 33MHz PCI clock
- Stand-Alone platform with a 12V supply for target system
- On board QUAD UART, using the OX16C954
- On-board 16Mbit Flash for User programs
- 24x LVTTTL I/O signals
- Net-50 Ethernet I/O
- Floating-Point TMS320C6713 DSP at 225MHz
- Xilinx Virtex II - XC2V1000-4 FPGA
- 16 Mbytes (optional 64Mbytes) SDRAM for the DSP
- 8 channels of Analogue Inputs, 16-bit AD7723 ADC Converters, up to 1.2MSPS per channel
- 8 channels of Analogue Outputs, 16-bit at 100KHz Burr Brown DAC7634 DAC Converters with a settling time of 10µs to 0.003%

Control Kit - SMT8002

Features:

- PCI platform for development and target system
- On-board XDS-510 compatible JTAG Master
- 512Kbytes Flash ROM for configuration
- PCI Host interface bandwidth via global bus in excess of 100 Mbytes/s @ 33MHz PCI clock
- Stand-Alone platform with a 12V supply for target system
- On board QUAD UART, using the OX16C954
- On-board 16Mbit Flash for User programs
- 24x LVTTTL I/O signals
- Net-50 Ethernet I/O
- Floating-Point TMS320C6713 DSP at 225MHz
- Xilinx Virtex II - XC2V1000-4 FPGA
- 16 Mbytes (optional 64Mbytes) SDRAM for the DSP
- 16 channels of Analogue Inputs, 14-bit AD9240 ADC Converters, up to 10MSPS per channel

Control Kit - SMT8003

Features:

- PCI platform for development and target system
- On-board XDS-510 compatible JTAG Master
- 512Kbytes Flash ROM for configuration
- PCI Host interface bandwidth via global bus in excess of 100 Mbytes/s @ 33MHz PCI clock
- Stand-Alone platform with a 12V supply for target system
- On board QUAD UART, using the OX16C954

- On-board 16Mbit Flash for User programs
- 24x LVTTTL I/O signals
- Net-50 Ethernet I/O
- Floating-Point TMS320C6713 DSP at 225MHz
- Xilinx Virtex II - XC2V1000-4 FPGA
- 16 Mbytes (optional 64Mbytes) SDRAM for the DSP
- 16 channels of Analogue Outputs, 16-bit at 100KHz Burr Brown DAC7634 DAC Converters with a settling time of 10µs to 0.003%.

Control Kit - SMT8004

Features:

- PCI platform for development and target system
- On-board XDS-510 compatible JTAG Master
- 512Kbytes Flash ROM for configuration
- PCI Host interface bandwidth via global bus in excess of 100 Mbytes/s @ 33MHz PCI clock
- Stand-Alone platform with a 12V supply for target system
- On board QUAD UART, using the OX16C954
- On-board 16Mbit Flash for User programs
- 24x LVTTTL I/O signals
- Net-50 Ethernet I/O
- Floating-Point TMS320C6713 DSP at 225MHz
- Xilinx Virtex II - XC2V1000-4 FPGA
- 16 Mbytes (optional 64Mbytes) SDRAM for the DSP
- 16 channels of Analogue Inputs, 16-bit AD7723 ADC Converters, up to 1.2MSPS per channel

Where to buy?

This product is distributed by Kane Computing Ltd

For further information, please contact sales@kanecomputing.com

Training Course and Technical Support

The package comes with full documentation, examples, demo applications, source code and whatever essential to provide self-training to users. Plus, SUNDANCE offer an online Technical Support System (<http://support.sundance.com>) and each customer will be allocated a FORUM and one or more engineers for help. Please download the document **SUNDANCE HELP**, which is intended to give you an overview of the hardware, firmware and software available from Sundance.

Support for TI's Code Composer Studio is provided through the "E-PIC" (<http://www.ti.com/europe/epic>) Both hardware and software come with a one-year warranty.



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