



Sheldon Instruments International Price List

October 15th, 2009

TMS320C6713 Based DSP Boards

Inter-
national
Price

PCI Boards

Recommended for use in a PC:

SI-C6713DSP-300-PCI-64-S	PCI, C6713 300 MHz, 64 MB SDRAM, Boot SRAM	\$2,382
SI-C6713DSP-300-PCI-256-S	PCI, C6713 300 MHz, 256 MB SDRAM, Boot SRAM	\$2,532

Recommended for stand-alone operation:

SI-C6713DSP-300-PCI-64-F	PCI, C6713 300 MHz, 64 MB SDRAM, Boot Flash	\$2,502
SI-C6713DSP-300-PCI-256-F	PCI, C6713 300 MHz, 256 MB SDRAM, Boot Flash	\$2,652

3U Compact PCI/PXI Boards

Recommended for use in a CompactPCI system:

SI-C6713DSP-300-CPCI-64-S	CPCI, C6713 300 MHz, 64 MB SDRAM, Boot SRAM	\$2,502
SI-C6713DSP-300-CPCI-256-S	CPCI, C6713 300 MHz, 256 MB SDRAM, Boot SRAM	\$2,652

Recommended for stand-alone operation:

SI-C6713DSP-300-CPCI-64-F	CPCI, C6713 300 MHz, 64 MB SDRAM, Boot Flash	\$2,622
SI-C6713DSP-300-CPCI-256-F	CPCI, C6713 300 MHz, 256 MB SDRAM, Boot Flash	\$2,772

PMC Modules

Recommended for use with a host computer:

SI-C6713DSP-300-PMC-64-S	PMC, C6713 300 MHz, 64 MB SDRAM, Boot SRAM	\$2,502
SI-C6713DSP-300-PMC-256-S	PMC, C6713 300 MHz, 256 MB SDRAM, Boot SRAM	\$2,652

Recommended for stand-alone operation:

SI-C6713DSP-300-PMC-64-F	PMC, C6713 300 MHz, 64 MB SDRAM, Boot Flash	\$2,622
SI-C6713DSP-300-PMC-256-F	PMC, C6713 300 MHz, 256 MB SDRAM, Boot Flash	\$2,772

PC/104 plus Boards

Recommended for use with a host computer and with SI-MOD expansion module:

SI-C6713DSP-300-PC104P-64-S-T-4S	PC/104p, C6713 300 MHz, 64 MB SDRAM, Boot SRAM, top of stack	\$2,382
SI-C6713DSP-300-PC104P-256-S-T-4S	PC/104p, C6713 300 MHz, 256 MB SDRAM, Boot SRAM, top of stack	\$2,532

Recommended for use with a host computer, but without expansion module:

SI-C6713DSP-300-PC104P-64-S-A-4S	PC/104p, C6713 300 MHz, 64 MB SDRAM, Boot SRAM, stacking	\$2,382
SI-C6713DSP-300-PC104P-256-S-A-4S	PC/104p, C6713 300 MHz, 256 MB SDRAM, Boot SRAM, stacking	\$2,532

Recommended for stand-alone operation (with or without SI-MOD expansion module):

SI-C6713DSP-300-PC104P-64-F-T-4S	PC/104p, C6713 300 MHz, 64 MB SDRAM, Boot Flash, top of stack	\$2,502
SI-C6713DSP-300-PC104P-256-F-T-4S	PC/104p, C6713 300 MHz, 256 MB SDRAM, Boot Flash, top of stack	\$2,652



Product Codes and Options

Standard Products:

SI-C6713DSP-300-PCI-64-S	PCI, C6713 300 MHz, 64 MB SDRAM, Boot SRAM	\$2,382
SI-C6713DSP-300-PC104P-64-S-T-4S	PC/104p, C6713 300 MHz, 64 MB SDRAM, Boot SRAM	\$2,382
SI-C6713DSP-300-CPCI-64-S	CPCI, C6713 300 MHz, 64 MB SDRAM, Boot SRAM	\$2,502
SI-C6713DSP-300-PMC-64-S	PMC, C6713 300 MHz, 64 MB SDRAM, Boot SRAM	\$2,502

Product Code: SI-C6713DSP-speed-form-mem-boot

speed = Processor Speed

225 = 225 MHz (OEM)

300 = 300 MHz

-\$72

form = Form Factor

PCI = 2/3rd size PCI board

cPCI = 3U Compact PCI board

PC104P = PC/104 plus board

PMC = PMC module

mem = SDRAM Memory Size (upgradeable)

64 = 64 MB

128 = 128 MB (OEM)

256 = 256 MB

\$60

\$150

boot = Boot Memory Options

S = 512 KB SRAM, processor and FPGA boot from host

P = 512 KB SRAM for processor boot from host, on-board PROM for FPGA (OEM)

F = 512 KB Flash (instead of SRAM) and PROM for stand-alone operation

\$60

\$120

Additional options for PC/104 plus board:

stacking = PC/104 plus stacking connector

T = DSP board must be on top of PC/104 stack (default with SI-MOD)

A = DSP board can be anywhere in the stack

CST = customer defined (OEM, price depending on details)

exp = DSP EMIF and peripherals (timer, serial port, GPIOs) expansion connector (2mm sockets or headers)

If you use a daughter module and do not require access to the DSP peripherals:

4S = 4x30 socket for SI-MOD

If you use a daughter module and need separate access to the DSP peripherals:

SSSRR = 3x30 socket for SI-MOD, 2x30 right angle header for DSP peripherals

\$60

If you design your own daughter module which also uses the DSP peripherals:

SSSSS = 5x30 socket also routing DSP peripherals

\$60

If you do not use a daughter module, but need access to the DSP peripherals:

000HH = no socket for SI-MOD, but 2x30 straight header for DSP peripherals

\$60

If you want to later populate yourself:

N = not populated

\$0

For OEMs, we also support custom configurations:

CEX = customer defined (price depending on details) (OEM)

call



TMS320VC33 Based DSP Boards

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PCI Boards

SI-C33DSP-PCI-128	PCI, VC33 150Mhz, 128Kx32 SRAM	\$1,050
SI-C33DSP-PCI-512	PCI, VC33 150Mhz, 512Kx32 SRAM	\$1,194
SI-C33DSP-PCI-1M	PCI, VC33 150Mhz, 1Mx32 SRAM	\$1,380

3U Compact PCI/PXI Boards

SI-C33DSP-CPCI-128	CPCI, VC33 150Mhz, 128Kx32 SRAM	\$1,170
SI-C33DSP-CPCI-512	CPCI, VC33 150Mhz, 512Kx32 SRAM	\$1,320
SI-C33DSP-CPCI-1M	CPCI, VC33 150Mhz, 1Mx32 SRAM	\$1,500

Product Codes and Options

Product Code: SI-C33DSP-speed-form-mem-boot

form = Form Factor

PCI = 2/3rd size PCI board

cPCI = 3U Compact PCI board

mem = SRAM Memory Size (not upgradeable)

128 = 128Kx32

512 = 512Kx32

1M = 1Mx32



Multifunction I/O Module with 100 or 250 kHz ADCs and 100 kHz DACs

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Multifunction I/O Module with 100kHz ADCs

SI-MOD6816-100	One SAR 16 bit ADC @100Khz, 8 differential or 16 single ended multiplexed analog inputs, low gain input amplifier 1/2/5/10, 36 bits digital I/O	\$714
SI-MOD6832-100	Two SAR 16 bit ADCs @100Khz, 16 differential or 32 single ended multiplexed analog inputs, low gain input amplifier 1/2/5/10, 36 bits digital I/O	\$834
SI-MOD6864-100	Four SAR 16 bit ADCs @100Khz, 32 differential or 64 single ended multiplexed analog inputs, low gain input amplifier 1/2/5/10, 36 bits digital I/O	\$1,074

Multifunction I/O Module with 250kHz ADCs

SI-MOD6816-250	One SAR 16 bit ADC @250Khz, 8 differential or 16 single ended multiplexed analog inputs, low gain input amplifier 1/2/5/10, 36 bits digital I/O	\$780
SI-MOD6832-250	Two SAR 16 bit ADCs @250Khz, 16 differential or 32 single ended multiplexed analog inputs, low gain input amplifier 1/2/5/10, 36 bits digital I/O	\$900
SI-MOD6864-250	Four SAR 16 bit ADCs @250Khz, 32 differential or 64 single ended multiplexed analog inputs, low gain input amplifier 1/2/5/10, 36 bits digital I/O	\$1,140

Standard Ordering Options for SI-MOD68xx

- HG	High gain 1 to 1000 times input amplifier (Note: High gain setting will limit input bandwidth to about 40 KHz)	\$60
- 8DAC	Eight 16 bit 180 KHz analog outputs	\$150
- 16DAC	Sixteen 16 bit 180 KHz analog outputs	\$270

Product Codes and Options

Product Code: SI-MOD68adcs-speed-(hg)-(dacs)

adcs = number of ADC channels

16 = one ADC, with multiplexer up to 8 differential or 16 single ended input channels

32 = two ADCs, with multiplexer up to 16 differential or 32 single ended input channels

64 = four ADCs, with multiplexer up to 32 differential or 64 single ended input channels

speed = maximum ADC sampling rate

100 = 100 kHz

250 = 250 kHz

amp = input amplifier

none = low gain 1/2/5/10 times input amplifier

HG = high gain 1 to 1000 times input amplifier (reduced input bandwidth at high gain setting)

dacs = number of 180 kHz DAC channels

none = no DACs

8DAC = 8 synchronous DAC channels

16DAC = 16 synchronous DAC channels



Assessories

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Connectors, adapters, cables, and screw terminals

SI-TERM100	Breakout Board with 100 Contact Screw Terminals	\$234
SI-TERM68	Breakout Board with 68 Contact Screw Terminals	\$162
SI-TERM100-BRIDGE	Breakout Board with 100 Contact Screw Terminals and Bridge Signal Conditioning	\$234
SI-40IDCx68D	40 Pin IDC to 68 Pin DSub Adapter Bracket for a Desktop System	\$60
SI-PC104x50IDC	PC/104-Plus 4x30 2mm Connector to 50 Pin IDC Header Pair Adapter Card for a PC/104-Plus card stack	\$90
SI-PC104PxPCI	PC/104-Plus to PCI, Adapter Card for a Desktop System	\$150
SI-100D100D	Cable, 100 Pin DSub to 100 Pin DSub	\$102
SI-100D5050	Y Cable, 100 Pin DSub to 50 Pin Ribbon Pair	\$102
SI-68D68D	Cable, 68 Pin DSub to 68 Pin DSub	\$78

QuVIEW/QuBASE Software for Sheldon Instruments DSP Boards

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QuX Tools

QuVIEW	Real-time DSP accelerator for LabVIEW (requires NI LabVIEW, version 5 or later)	\$0
QuBASE	Real-time DSP accelerator for Visual Basic (requires Microsoft Visual Basic, version 6 or later)	\$0

Notes:

QuVIEW and QuBASE are only available with a Sheldon Instruments DSP board.

QuVIEW/QuBASE users do **not** require an emulator or C/C++/Assembler tools.



C/C++/Assembler DSP Development Bundles

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Users who want to program our DSP boards in C, C++ or Assembler require Code Composer (Studio) and an emulator.

We offer these tools exclusively bundled with our DSP boards, as a "Development Bundle"; we do not sell these tools without a DSP board.

Users who do **not** want to program in C, C++ or Assembler, but use our convenient QuVIEW/QuBASE tools, do **not** require Code Composer (Studio) or an emulator.

Code Composer Studio C/C++/Assembler IDE from Texas Instruments

For users of SI-C6713DSP boards:

R-TMDSCCSALL-1

TI Code Composer Studio v3.3 Platinum,
C/C++/Assembler tools for TMS6713 based DSP boards
(also supporting C2000, C5000 and OMAP)

\$3,595

For users of SI-C33DSP boards:

R-TMDS3240130

TI Code Composer C3x/C4x v4.1, C/C++/Assembler tools
for TMS320VC33 based DSP boards (no longer
maintained by TI and sold "as it is")

\$1,495

Blackhawk Emulators from EWA Technologies

R-BH-USB-560M

Blackhawk USB560M, XDS560 class emulator with USB
2.0 interface

\$2,999

R-BH-USB-510

Blackhawk USB510, XDS510 class emulator with USB 2.0
interface

\$1,750

R-BH-PCI-510

Blackhawk PCI, XDS510 class emulator with PCI interface

\$2,499

Limited Time Offer: Power Pack Bundles (C6000 Code Composer Studio plus Emulator)

Only for users of SI-C6713 boards, not available for SI-C33DSP boards:

R-BH-USB-560M-BNDL

Blackhawk USB560M (XDS560 class emulator with USB
2.0 interface) and TI Code Composer Studio v3.1 Platinum
(C/C++/Assembler tools) for TMS6713 based DSP
boards

\$6,094

A \$500 discount!

R-BH-USB-510-BNDL

Blackhawk USB510 (XDS510 class emulator with USB 2.0
interface) and TI Code Composer Studio v3.1 Platinum
(C/C++/Assembler tools) for TMS6713 based DSP
boards

\$4,845

A \$500 discount!

R-BH-PCI-510-BNDL

Blackhawk PCI (XDS510 class emulator with PCI
interface) and TI Code Composer Studio v3.1 Platinum
(C/C++/Assembler tools) for TMS6713 based DSP
boards

\$4,594

A \$1500 discount!



Device Driver Development Kits for non-Sheldon-Boards

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Note: All SI-DDK products are sold on a pre-pay basis only, and delivered exclusively via e-mail for fastest service.

Device Driver Development Kits for PLX

SI-DDK-PLX-WIN	Driver Source Code for Win98/2000/XP	\$360
SI-DDK-PLX-LNX	Driver Source Code for Linux Kernel 2.6	\$360
SI-DDK-PLX-WIN-UPGD	Upgrade for current user of Win9x/NT SI-DDK-PLX to SI-DDK-PLX-WIN	\$260

Note: SI-DDK-PLX-WDM and SI-DDK-PLX-LNX come free of charge with Sheldon DSP boards.

Device Driver Development Kits for AMCC

SI-DDK-AMCC-WIN	Driver Source Code for Win98/2000/XP	\$360
SI-DDK-AMCC-LNX	Driver Source Code for Linux Kernel 2.6.x	\$360
SI-DDK-AMCC-WIN-UPGD	Upgrade for current user of Win9x/NT SI-DDK-AMCC to SI-DDK-AMCC-WIN	\$260

Device Driver Development Kits for TI DM642/6437/6467/648-C6452

SI-DDK-TI-WIN	Driver Source Code for Win2k/XP/Vista (supports target mode only for DM642/6437, bus master & DMA with DM6467/648-C6452)	\$360
SI-DDK-TI-LNX	Driver Source Code for Linux Kernel 2.6.x & higher (supports target mode only for DM642/6437, bus master & DMA with DM6467/648-C6452)	\$360

Notes:

This price list replaces all earlier price lists.

OEM options require minimum order quantity (dependent on the option, but at least 10 units)

International Prices are Recommended Sell Prices for distributors.

For all C6713 processor boards, 300 MHz is the standard version. 225 MHz version may have long lead times.

All prices are in US dollars, FOB San Diego, California, USA.

Local and state sales taxes additional when applicable.

Prices and products are subject to alteration.

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