

Summary

The new CPCI-6713B-2IP module provides a 3U high performance flexible I/O scheme, that supports industry standard Industry Packs™. For application requiring low cost, high density I/O or unique combinations, the CPCI-6713B-2IP is the perfect solution. The Local DSP can be used to simply move data to and from the CPCI bus or provide pre processing functions such as local PID controls, FFT's, digital filtering, etc. Custom application software can be downloaded to the DSP via the CompactPCI bus. A very low cost, non-intelligent version is also available, CPCI-SIP.

The TMS320C67x DSP generation is supported by the TI eXpressDSP™ set of industry development tools, including a highly optimizing C/C++ Compiler, the Code Composer Studio™ Integrated Development Environment (IDE), JTAG-based emulation, real-time debugging, and the DSP/BIOS™ kernel.

Available Drivers :

- Labview
- Linux
- Window XP



CPCI 320C6713B DSP DUAL INDUSTRY PACK CARRIER



CPCI-6713-2IP

Board Features:

Bus Interface 3.3 / 5 Volt via PLX 9056
 33/66MHz
 High Performance Floating-Point Digital Signal Processor (DSP):
 TMS320C6713B upto 300 MHz system clock.
 Up to 32Mbytes of SDRAM
 4.0 Mbit flash memory for bootstrap program

DSP Specifications:

TMS320C6713B™ DSP @ 300 Mhz
 64K-Byte L2 Unified Cache/Mapped RAM, and 192K-Byte Additional L2 Mapped RAM
 Dual 32 bit general purpose timers
 16 channel EDMA 'Enhanced DMA'
 16-bit Host-Port Interface (HPI)

Industry Pack Specifications:

Dual Industry Pack Sites
 8/32 MHz operation

CPCI Bus:

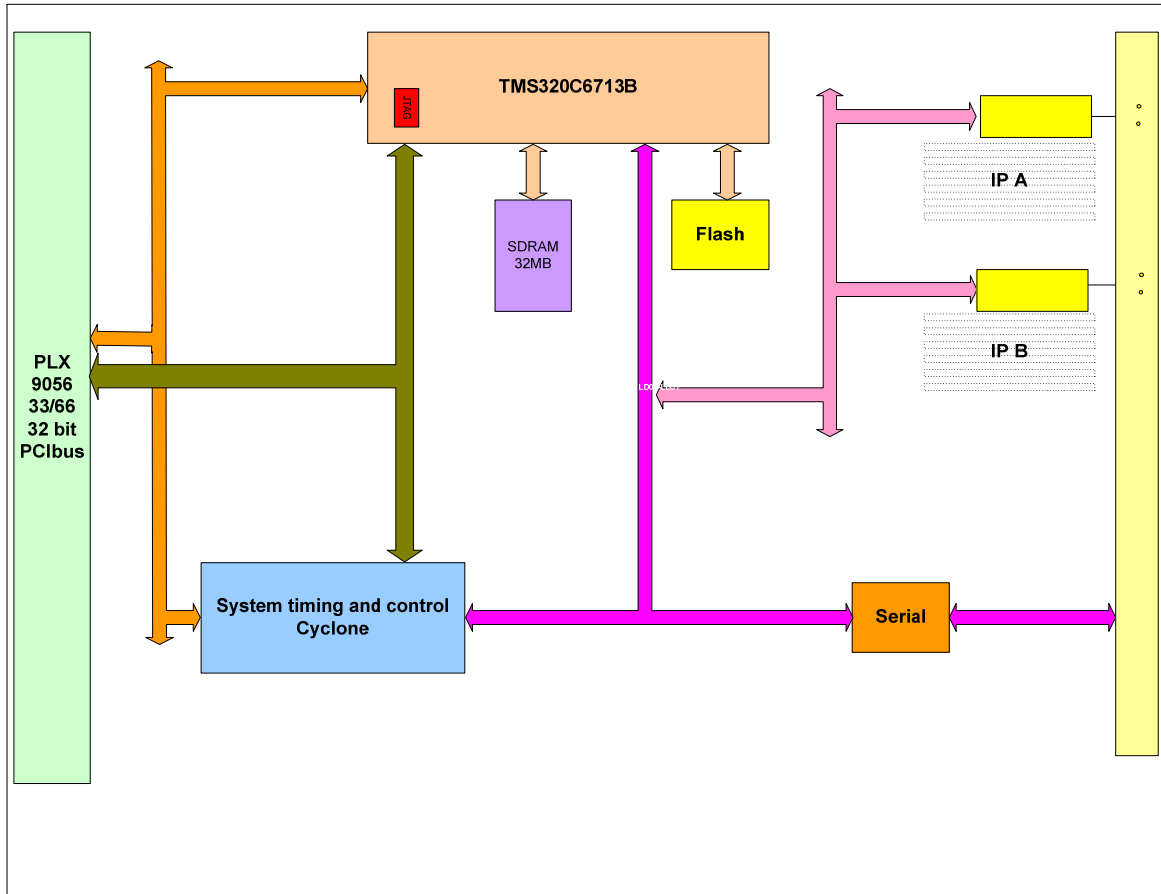
CPCI Bus Interface 3.3 / 5 Volt
 PLX 9056 33/66MHz 32-bit, PCI r2.0 compliant
 3.3V I/O, 5V tolerant bus interfaces

Debug Port:

JTAG emulator port
 On board RS-232 header

I/O panel connectors:

Front Panel
 (2) X 50 pin HRS for I/O



Functional Block Diagram

Mechanical & Environmental

- Operating temperature 0 to +55 °C
- Airflow requirement: 10 CFM
- Humidity: 5 to 90% (non-cond.)
- Altitude: 0 to 10'000 ft
- Full size PCI card
- Front panel I/O
- Power: +5v 1 amp, +12v 1 amp
- Vibration: 0.5G RMS 20-2KHz rand
- Shock: 20 G, 11 ms, ½ sine
- Weight: 2 lbs
- MTBF: >172000 hour

Ordering Information

CPCI-6713B-2 IP	3U Industry Pack Carrier with 320C6713 DSP
CBL-50-HRS	Cable
TB-50-HRS	Terminal Block

Alphi Technology Corporation
 6202 South Maple Ave, Suite 120
 Tempe, Arizona 85283, USA
 Tel: (480) 838 2428
 Fax: (480) 838 4477

For ordering information: sales@alphitech.com Please visit our web site at www.alphitech.com