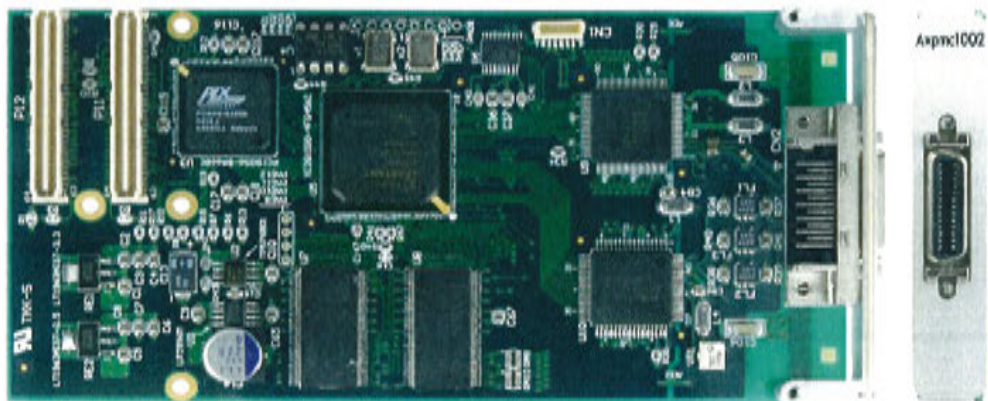


Graphic Board Series

PMC Card

NTSC I/O Board Axpmc1002



Outline	Axpmc1002 NTSC input and output PMC card is a module which is based on standard for PCI Mezzanine Card/ IEEE P1386.1 that has a video I/O with input 1ch and output 1ch, and this is for in case of building more NTSC input-output.
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Specification:

Video I/O	<p>Signal standard: NTSC video signal</p> <p>Input channel: composite input: 1ch</p> <p>Separate Y/C input: 1ch * Select by resister</p> <p>Output channel: composite output: 1ch</p> <p>Separate Y/C output: 1ch *Output at a same time</p> <p>A/D resolution: 10bit D/A resolution: 8bit</p> <p>Digital format: YCbCr 16bit Digital image size: 640 × 480 dot</p> <p>Connector: Half pitch 26pin (MDR type)</p>
Memory:	<p>LUT(in FPGA): Y signal for gamma offset (compact 10bit to 8bit)</p> <p>Capacity: 1KB × 1 page</p> <p>Image memory: For input image capture</p> <p>Capacity: 1MB × 2 page(frame) For output image capture</p> <p>Capacity: 1MB × 3 page(frame)</p> <p>* As ring memory configuration, possible to see I/O memory on PCI memory map each page.</p>
Bus interface	<p>PMC bus: PCI v2.2 (32bit, 33MHz)</p> <p>Allocation space: 3MB memory space</p> <p>Interrupt line: INTA</p>
Power supply	<p>5V ±5%, 3.3V ±5% (from PMC connector)</p> <p>Power consumption: TBD</p>
Support OS	Linux kernel 2.4,2.6 / Windows 2000 , XP

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