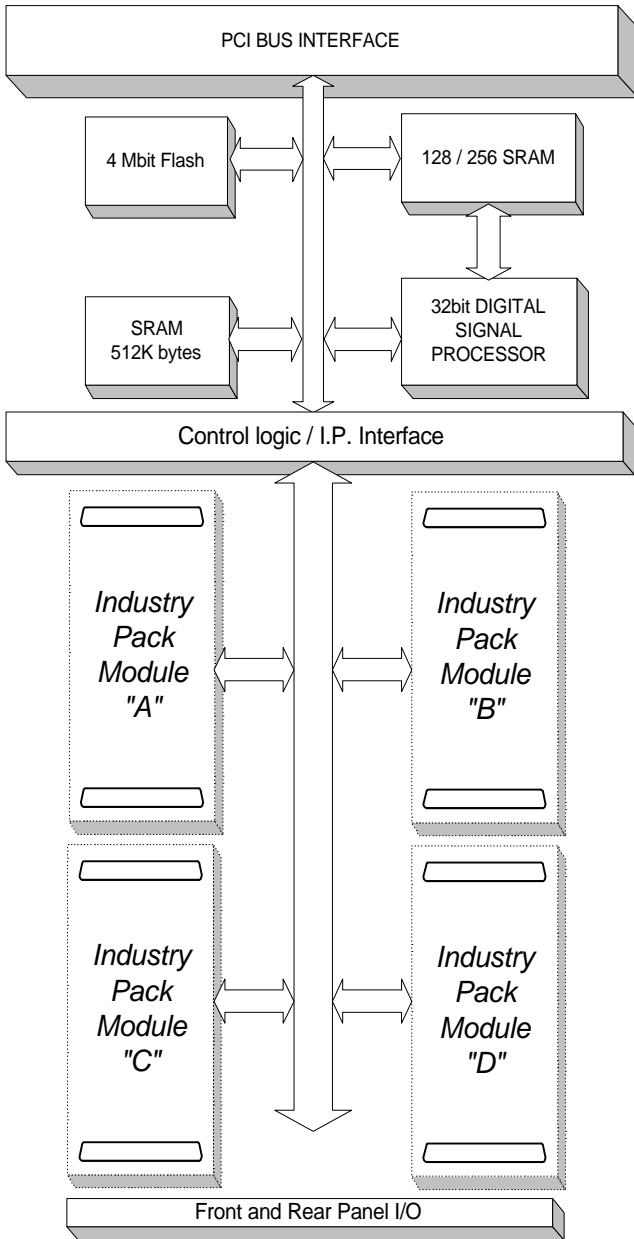


## PCI™ Bus Mastering DSP Module Quad Industry Pack™ Carrier

PCI - Quad Industry Pack Carrier  
w/ DSP

### FEATURE SUMMARY



- Support for up to four IP modules
- 8 MHz or 32 MHz IP operation via software selection
- Integrated DSP (TI TMS320C32) at 60 MHz
- 128K or 256K x 32 bit zero wait SRAM for the DSP.
- 512K FLASH for bootloader and customer applications.
- Fully shared access to SRAM, card peripherals, and IP spaces by HOST and DSP processor.
- DSP is fully capable of accessing HOST RAM, and any other devices present on the PCI bus
- Full interrupt support of host and DSP C32
- Two channels of Bus Master DMA with Scatter/Gather support to offload the DSP and the HOST processor.
- Extremely flexible triggering/interrupting, including internal, external, and IPSTROBE sources.
- Supports double-wide form factor IndustryPack®
- Front panel I/O connectors
- One RS232 port and one RS422 port.
- Full software support including DSP code and Drivers/DLL for WinNT.

### OVERVIEW

The PCI-4IPM module provides a 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 PCI-4IPM 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 PCI bus. WinNT drivers are standard.



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