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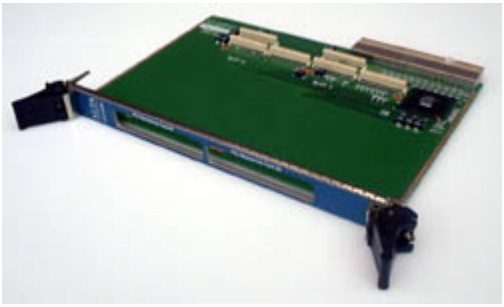
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Find the *Alta Technology CPCI/PMC64-XP* at our website: *Click HERE*

CPCI/PMC-64™

64-bit Dual PMC Carrier Board



Large View

The CPCI/PMC-64™ is a carrier board for PCI Mezzanine Cards (PMC). Available in a 6U CompactPCI form factor, it provides two 64-bit PMC slots (which are also 32-bit compatible) for easy CompactPCI system expansion.

The CPCI/PMC-64 takes advantage of Compaq's 21154 PCI to PCI bridge chip to allow for the expansion of the CompactPCI bus. The CPCI/PMC-64 includes programmable interrupts and a linear, fixed memory map.

Alta provides a complete line of PMC modules that work in conjunction with the CPCI/PMC-64. These PMCs provide interfaces to help expand system functionality. Such modules include SVGA and 3D graphics, 10/100 Ethernet, Gigabit Ethernet, SCSI and FDDI. The CPCI/PMC-64 also allows for off-the-shelf applications from other manufacturers to be added to Alta's CompactPCI products.

The CPCI/PMC-64 supports I/O, ID, memory, interrupts and DMA.

Specifications:

- Complies fully with Revision 2.1 of the PCI Local Bus Specification.
- Supports 64-bit extension signals on the primary and secondary interfaces.
- Implements delayed transactions for all PCI configuration, I/O, and memory read commands- up to three transactions simultaneously in each direction.
- Allows 152 bytes of buffering (data and address) for upstream posted memory write commands-p to nine upstream and five downstream posted write transactions simultaneously.
- Allows 152 bytes of read data buffering upstream and 72 bytes of read data buffering downstream.
- Provides arbitration support for the two PMC slots
  - A programmable 2-level arbiter.
  - Hardware disable control, permitting use of an external arbiter.
- Provides enhanced address decoding:
- A 32-bit I/O address range.
  - A 32-bit memory-mapped address range.
  - A 64-bit prefetchable memory address range.
  - SA-aware mode for legacy support in the first 64 KB of I/O address range.
  - VGA addressing and VGA palette snooping support.
- Includes live insertion support
- Supports PCI transition forwarding for the following commands:
  - All I/O and memory commands.
  - Type 1 to Type 1 configuration commands.
  - Type 1 to Type 0 configuration commands (downstream only).
  - All Type 1 to special cycle configuration commands.
- Includes downstream lock support.
- Provides an IEEE standard 1149.1 JTAG interface.

Power Consumption: 2.8 Watts@33MHz

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