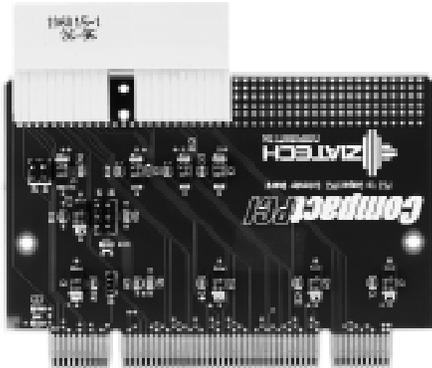
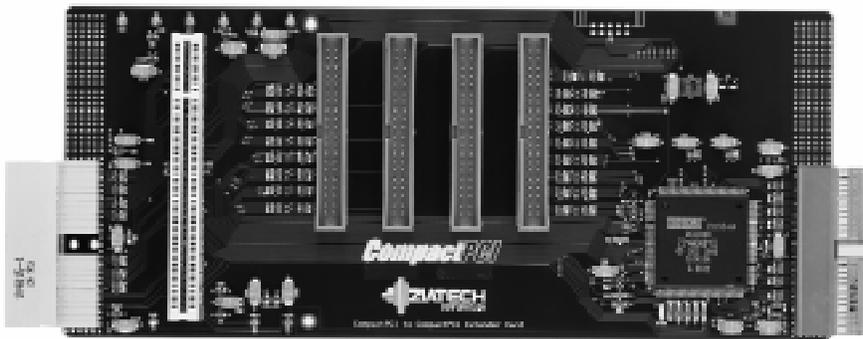


COMPACTPCI® PROTOTYPING TOOLS

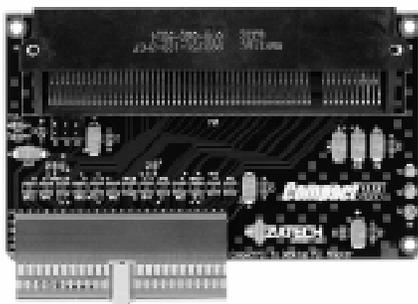
CompactPCI®



The ZT 6980 Desktop PCI to CompactPCI Extender Card.



The ZT 6981 CompactPCI Extender Card.



The ZT 6983 CompactPCI to Desktop PCI Extender Card.

Ziatech provides prototyping tools for designing CompactPCI systems. The ZT 6980 and ZT 6981 are designed for developers and system testers who need to verify the operation of cards for the CompactPCI bus while having access to the components on the card. The ZT 6980 lets developers test the operation of CompactPCI cards in desktop PCI systems. The ZT 6981 extends the CompactPCI bus via a DEC bridge to a CompactPCI and desktop PCI connector. The ZT 6983 allows desktop PCI cards to be plugged into CompactPCI backplanes.

ZT 6980

- u Adapts CompactPCI cards to desktop PCI systems for testing

ZT 6981

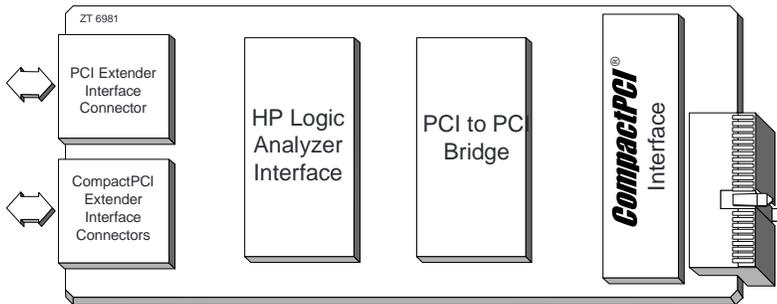
- u Extends CompactPCI cards from chassis
- u Allows testing of desktop PCI cards
- u DEC bridge isolates backplane PCI bus
- u Direct connect interface for HP Logic analyzer
- u Not for extending CPU cards or cards that must be on the primary PCI bus
- u PCI 2.0 compliant

ZT 6983

- u Adapts desktop PCI cards to CompactPCI backplanes
- u Will not fit in card cages

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The ZT 6981 Functional Block Diagram

FUNCTIONAL CONSIDERATIONS

ZT 6980

The ZT 6980 is a purely passive adapter that enables a CompactPCI card to be plugged into a desktop PCI backplane. It is useful for board developers testing a CompactPCI design prior to the purchase of a CompactPCI system.

ZT 6981

The ZT 6981 uses the DEC 21052 bridge chip to extend the CompactPCI bus to the front of a CompactPCI chassis for development and debug. The bridge isolates the CompactPCI bus from extra loading due to the longer signals on the card and therefore does not reduce the capability of the overall system.

Because PCI bridges are not symmetrical, CPUs are not supported on the extender card. The bridge is a 32-bit device so only the 32-bit PCI bus is supported.

There are certain devices that must reside on the primary PCI bus and these will not work with the ZT 6981. This includes IDE interfaces in compatibility mode and many PCMCIA-type interfaces.

Two connectors are loaded on the ZT 6981. One is the CompactPCI male connector found on CompactPCI backplanes and the other is the PCI connector used in PC motherboards. This second connector can be used to test desktop PCI designs in CompactPCI systems prior to porting to CompactPCI. The mechanical arrangement is not designed for anything other than lab use.

ZT 6983

The ZT 6983 is a purely passive adaptor that enables a desktop PCI card to be plugged into a CompactPCI backplane for evaluation. Note that the backplane needs to be free standing because a CompactPCI enclosure interferes with the desktop card. Also note that this violates the bus-loading requirements of CompactPCI, and should only be used in lightly loaded systems.

ORDERING INFORMATION

- ZT 6980 Desktop PCI to CompactPCI Extender Card
- ZT 6981 CompactPCI Extender Card
- ZT 6983 CompactPCI to Desktop PCI Extender Card

All products are shipped FOB San Luis Obispo, CA, USA. OEM discounts are available for quantity purchases. Contact Ziatech for additional information.

WARRANTY

Five years with an optional five-year extension. Call Ziatech for full warranty information.



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