



Overview

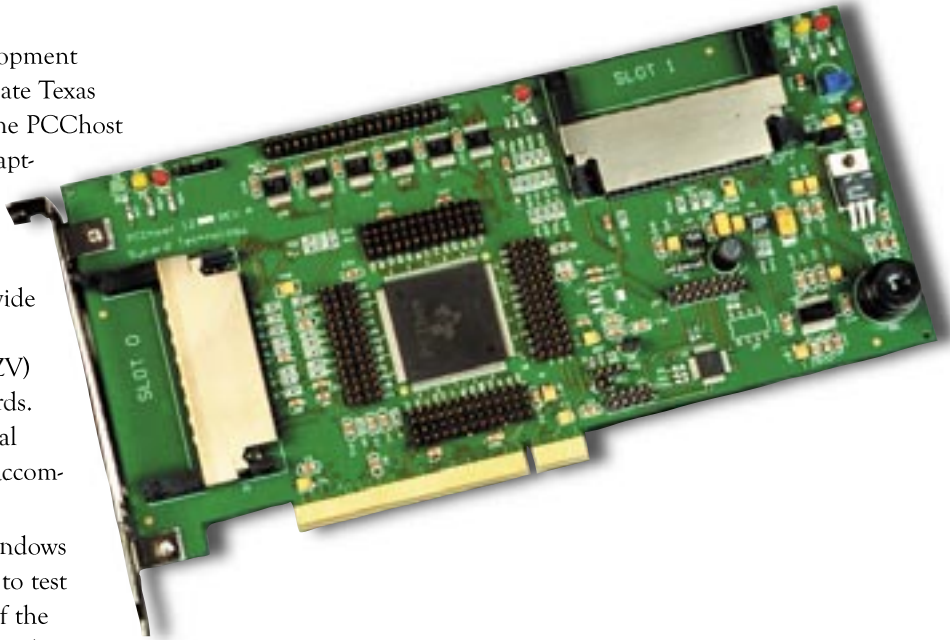
Sycard Technology's PCChost 1420 CardBus development host provides the engineer with a platform to evaluate Texas Instrument's high performance CardBus bridge. The PCChost 1420 is based on the TI PCI1420 CardBus host adapter chip which offers full 132MByte/sec transfer performance along with ACPI. Contained on a single Peripheral Component Interconnect (PCI) bus card, the PCChost 1420 is compatible with a wide variety of PC and non-PC PCI hosts.

The PCChost 1420 includes a Zoomed Video (ZV) port for testing and evaluation of zoomed video cards. A 40-pin header facilitates connection to an external Zoomed Video capable video card. Both slots can accommodate ZV cards.

The PCChost 1420 is fully supported under Windows 98/ME/2000/XP. The unit is the perfect platform to test your existing 16-bit PC Cards. A large percentage of the notebooks coming on to the market will incorporate this type of controller. Vendors of 16-bit cards that currently work in 16-bit only slots will need to insure that their current cards work in the PCI environment of the CardBus interface.

Designed with the engineer and technician in mind, the PCChost 1420 contains several features for debug and testing. Each pin on the PCI1420 is brought out to a header for logic analyzer or scope connection. LEDs indicate slot power, activity and zoomed video status. The 3.3V supply may be adjusted from 3.0 to 3.6V for voltage margin testing.

The PCChost 1420 is built with quality components for long service life. Full schematics and datasheets are provided with each unit. Technical support, application notes, and updates are always available on our web site at <http://www.sycard.com>.



Uses

- Software design tool
- TI PCI 1420 evaluation
- CardBus card development
- Software client development
- 16-bit card verification
- Hardware validation tool

Accessories Supplied

- PCChost 1420 User's Manual
- Texas Instruments PCI-1420 databook

Availability

NOW

Key Features

- Based on Texas Instruments PCI 1420 PCI-CardBus Bridge
- Standard sized PCI board
- Dual socket design
- All signals accessible via 0.1" test posts
- Supports 16-bit, CardBus and Zoomed Video Cards
- Zoomed Video port
- Full ACPI support
- LEDs indicate slot power and activity
- Overcurrent LED informs user of possible shorts
- Overcurrent protection protects card and host
- Uses TPS2206 single chip power switch
- On-board 12V Vpp supply
- Adjustable 3.3V supply for voltage margin testing
- On-board speaker

Mechanical Specifications

Physical

| | | | |
|--------|--------------|-----------|---------------|
| Width | 5.0" (127mm) | Thickness | 0.8" (20.3mm) |
| Length | 8.75 (222mm) | Weight | 5.5 oz. |

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