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## PCI Bus Isolation Extender Features and Specifications



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### DESCRIPTION

**PCIX32** is a 32-bit PCI Bus Isolation Extender that allows user to test the PCI add-on boards quickly without having to power the system down each time. It is especially designed to save valuable labor and time in production testing environment. It is also a great tool for engineers during product development while many changes and testing are required. It provides total power and signal isolation between the motherboard and the board under test. It can be controlled manually by an on-board toggle switch or by external TTL signals. Besides saving time for testing, it also protects the motherboard from damages.

The PCIX32 is designed with many years of field experience and real user suggested features. It is built with quality and state of the art components. The PCIX32 is made in the USA with one year warranty.

## FEATURES

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- Total power and signal isolation.
- No disturbance to the system bus during bus isolation and reconnection.
- Less than 500ps signal delay, through the isolation buffer and trace.
- Minimum voltage drop.
- Single toggle switch operation or external TTL software control.
- Allows external voltage margin and current measurement.
- Pluggable fuses for power line protection.
- Short circuit sensing logic with auto power shut off.
- Multiple audible alarm tone for normal operation and short circuit condition.
- Flashing status LED to indicate bus connection and disconnection.
- Supports low cost straight wearout extender and offset wearout extender.
- Easy adjustment of the width of the regenerated reset pulse and timing relative to bus signals.
- Conforms to PCIX specification.
- Optional header pins for logic analyzer hook up, on B side of the extender.
- Optional connector at a right angle to the extender connector, on A side of the extender.
- Optional WOL (wake on Lan) support.
- Quality multilayer construction.

## SPECIFICATIONS

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- **Bus:** PCI (Peripheral Component Interconnect), 32-bit bus
- **Voltage:** +5V with 4 amp pluggable fuse and short circuit sensing, +3.3V with 4 amp pluggable fuse and short circuit sensing, +12V with 1.6 amp pluggable fuse and short circuit sensing, -12V with 1.6 amp pluggable fuse
- **Control:** Single toggle switch or external TTL signal and power control
- **Signal Delay:** Less than 500 picosecond (250 picosecond max. through the buffer IC)
- **Mounting:** Slot offset bracket
- **Environment:** 0-60 degree C (operating and storage)
- **Dimension:** Length 7.7 inches, Height 2.3 inches, Width 0.8 inches. (Dimension not including mounting bracket)

## OPTIONS

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- **-5** for 5.0 VIO version.
- **-3** for 3.3 VIO version.
- **-T** for an additional PCI connector at a right angle to the extender; mounted on A-side of the extender.
- **-H** for additional header pins on B side of the extender.
- **-W** for WOL support (at extra cost)