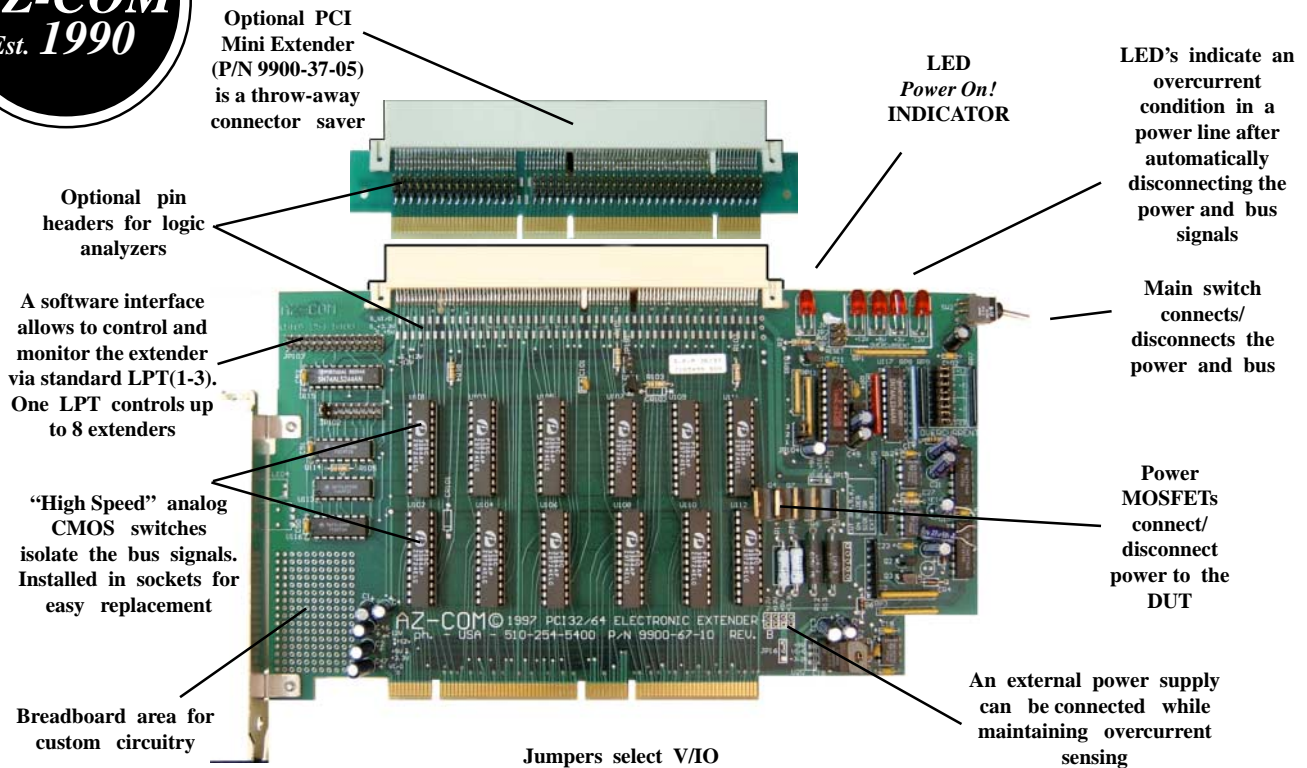




# 64 bit PCI Electronic Extender



## GENERAL DESCRIPTION

The PCI64 Electronic Extender (PCIEE) is a device designed to enhance the process of testing and developing PCI Bus products. With the PCIEE you can disconnect the power and bus signals from the top connector and remove or insert test cards with the PC power on. This not only saves time, but also protects the components of the PC from damage that results from constant Power On - Power Off cycling. Other features include:

- ◆ Overcurrent Sensing Circuitry that detects excessive current consumption and protects PC power lines by automatically disconnects the tested card if overcurrent is detected. You can change the sensing threshold by simply changing the jumper settings.
- ◆ Simple touse optional software control. Each printer port (LPT) can control up to 8 extenders. Optionally any simple I/O card can control the extender.
- ◆ Five LED's: one indicates whether the power to the top connector is on or off, the other four indicate an overcurrent condition and help detect faulty cards.
- ◆ High speed CMOS switches are used to isolate the bus signals to minimize propagation delay.
- ◆ Breadboard area available on the board for custom circuitry
- ◆ Ability to connect external power to the top connector to test cards under various power supply voltages.
- ◆ Optional pin headers below top connector for login analyzers.

## SPECIFICATIONS:

**P/N 9900-67-10-63** 3.3V connector  
**P/N 9900-67-10-65** 5V connector  
**P/N 9900-67-10-6U** universal connector  
 (-H suffix adds Pin Header - 9900-67-10-63-H)

**V\_I/O:** 5V or 3.3V - jumper selectable  
**Maximum Current:** +5V,+3V>8A,+12V,-12V>1A  
**Overcurrent settings:** +3V 2.6A +5V 4A +12V 0.5A -12V 0.5A

**Bus switch:** 3 Ohm 10 pF maximum at 0V/25C.  
**Signal's direction:** All signals except for the RESET# signal are connected to the PC Bus via a bi-directional analog switch. The RESET signal is uni-directional from the PC bus into the top connector.

**LED indicators:** Power On (1), Overcurrent (4)  
**Included software:** DOS and Windows drivers, demo program and PCI initialization utilities.

**PCB material:** FR4: 0.064"  
**Dimensions:** 5.875" x 9.5" , 5.687" raise  
**Weight:** 8.3 oz,

**Optional Pin Header:** 2x48, 0.100 spaced, 0.025 post