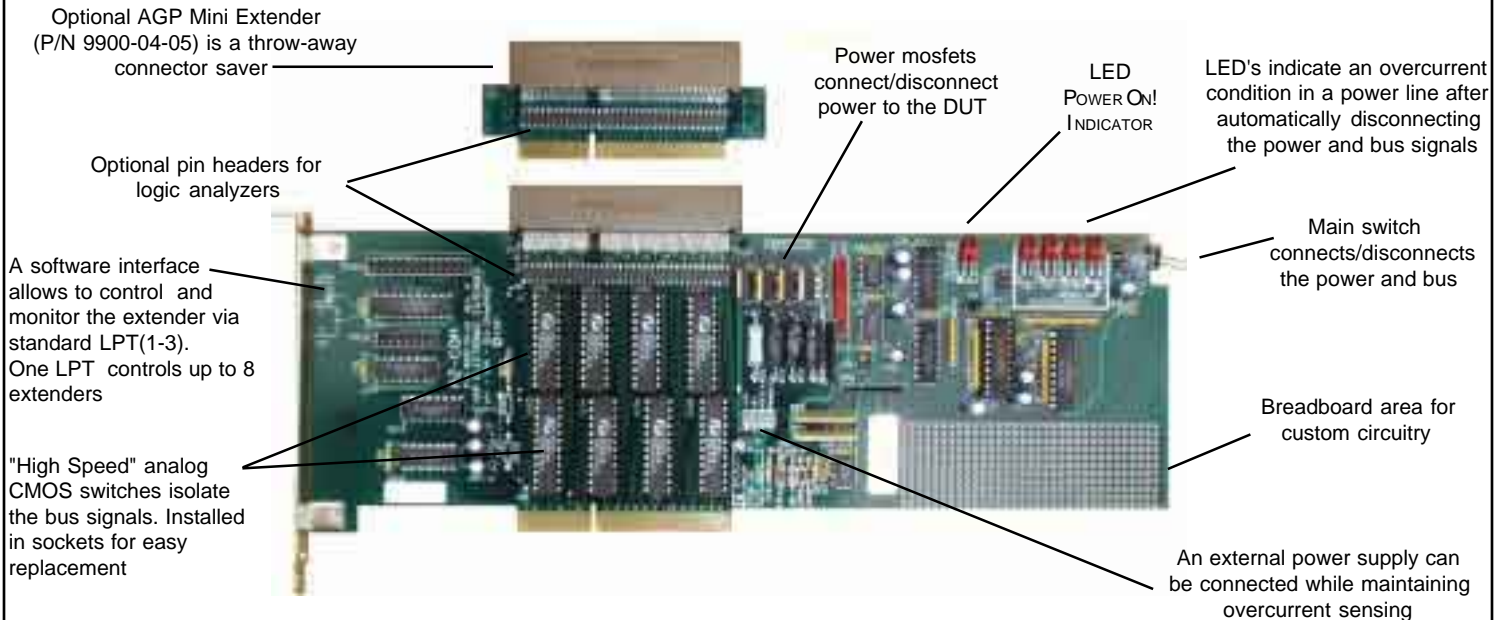


# AGP Electronic Extender



The AGP Electronic Extender (AGPEE) is a device designed to enhance the process of testing and developing AGP Bus products. With the AGPEE you can disconnect the power and bus signals from the top connector and remove or insert tested 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:

- u Overcurrent Sensing Circuitry that detects excessive current consumption and protects PC power lines by automatically disconnecting the tested card if overcurrent is detected. You can change the sensing threshold by simply changing the jumper settings.
- u Simple to use optional software control. Each printer port (LPT) can control up to 8 extenders. Optionally any simple I/O card can control the extender.
- u 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.
- u "High Speed" CMOS switches are used to isolate the bus signals to minimize propagation delay.
- u Breadboard area available on the board for custom circuitry.
- u Ability to connect external power to the top connector to test cards under various power supply voltages.

## SPECIFICATIONS: P/N 9900-04-10

Maximum Current:	+5V > 2A, +3V > 8A, +12V > 2A		
Threshold			
Overcurrent setting:	+3V	2.6A	66mV Threshold
	+5V	2 A	100mV
	+12V	0.5A	240mV Threshold
Bus switch:	3 Ohm	10pF maximum at 0V/ 25 C.	
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)		
Physical Traits:	4.5"x 11" , 8.3 oz. 4.125" raise		
Included software	DOS and Windows drivers, demo program and initialization utilities.		

- u Optional pin headers below top connector for logic analyzers.
- u Optional Mini Extenders protect the top connector from wear. When the Mini Extender shows wear, simply replace it.