



AL2500 INTERFACER II CHASSIS



Front View

FEATURES

- 5.25" high, 8.5" deep rack-mount chassis
- Up to 15 modules can be installed
- Auto sensing power supply
 - ◇ 115 VAC to 230 VAC
 - ◇ 50 Hz to 400 Hz
- Redundant power supply
 - ◇ Independent power source and switch
 - ◇ Independent front panel power-on indicator

OVERVIEW

The Apogee Labs Interfacer II model AL2500 is a second generation extension of our popular model AL2073/2173 Interfacer product line. The modules housed in the AL2500 chassis contain more real-estate to support complex functions, extended operator control, and more I/O connection space. The chassis contains space for redundant, hot-swappable power supplies. Each power supply displays its power-on status via an independent front panel LED.

Application dependent front panel controls and indicators are associated with and contained on each plug-in application module. The AL2500 chassis accommodates up to 15 application modules. These may be totally independent functions with independent purposes. For example, some modules may be video distribution amplifiers while others may be interface or protocol converters.

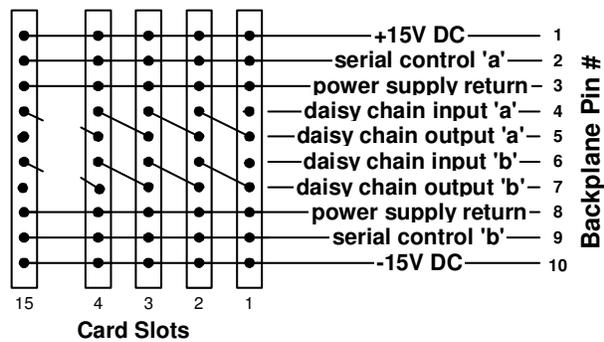


Figure 1: Backplane Connector Diagram

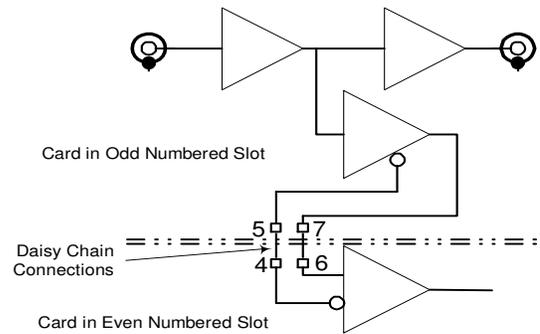


Figure 2: Typical Daisy Chain Interconnection

The AL2500 chassis does not contain a front or rear panel. The front of the chassis presents an open window against which the front panel of application modules rests. The rear panel of the unit is formed from the rear panels of the inserted modules. Therefore, front panel controls, indicators and test-points are presented by the inserted module(s) as are the rear panel connectors.

The chassis provides the housing and power connections for the inserted application module. In some cases, an application module must communicate with an adjacent module. A Daisy Chain connection is included on the card slot connectors as shown in Figure 1. The direction of this inter-module connection is usually from the odd-numbered card slot to the adjacent even-numbered slot. A typical interconnection is shown in Figure 2.

Two reserved signal lines may be used as a global communication path between a master signal source and several slave or repeater modules to form a massive signal distribution function.

Aside from the power supply connections, it can be seen that the Daisy Chain and Serial Control signal paths are only defined in the presence of the installed application module.

SPECIFICATIONS

PHYSICAL CHARACTERISTICS

- 5.25" High x 12" Deep x 19" Wide
- Rack mount ears
- Weight: 6 lbs. empty
- 15 module slots
- 2 power supply bays

OPERATING ENVIRONMENT

- Temperature: 0° C to 50° C
- Humidity: Up to 95% non-condensing

POWER SUPPLIES

- Modular rear mounted plug in
- Auto-sensing 115/230 VAC; 50/60/400 Hz
- Individually powered
- Power on/off switch
- Front panel power-on indicator
- Redundant power supply option