AL1073
INTERFACER CHASSIS

FEATURES

- Modular and scalable (supports 4 module slots)
- Protocol conversion and buffering capability
- Two signal status indicators per slot
- Dual 20 Watt Power Supplies
- Wide range of application modules

OVERVIEW

The Apogee Labs Model AL1073 Telemetry Signal Interface/Distribution chassis is a cost effective user configurable unit which provides a convenient method of connecting equipment having dissimilar signal interfaces and/or distributing a single input to multiple outputs. Holding up to 4 individual cards, signals are received and properly terminated via an input only or input/output card, translated/buffered and properly driven to industry standards.

Front panel status of the input signal is available for most modules, providing a quick look capability that input data and clock are present to a particular card in the chassis. A Global bus structure provides a convenient method of buffering and distributing the input from one card to the remaining 3 cards enabling a single input to drive up to 12 outputs. A Daisy Chain bus structure limits signal distribution to the slot adjacent to the input signal module slot allowing for the distribution of multiple or dissimilar input signals in the same chassis. The AL1073 chassis provides dual pluggable main power supplies for continuous operation in the event of a power supply failure.

Over 100 unique interface/distribution modules exist for the AL2073 chassis covering a varied set of input and output standards. In addition to the standard set of modules, custom interface modules can be developed.

APPLICATION INFORMATION

An AL1073 chassis accommodates up to 4 modules. Each module typically supports two input signals, either as separate sources or as pairs consisting of a data and clock signal. Using the chassis backplane, an input module can convert or buffer a signal and then distribute the results to any number of separate isolated outputs. In many applications, such as converting a single RS-422 signal into 12 TTL outputs, only three conversion modules would be required.

SPECIFICATIONS

PHYSICAL

Size: 19” W x 1.5” H x 13” D

Weight:: Less than 10 lbs empty

POWER SUPPLY

100—240 VAC (50/60 Hz)

ENVIRONMENTAL

Operating Temp: 0° to 50° C

Relative Humidity: 15-95% non-condensing

Altitude: Sea Level to 10,000 feet