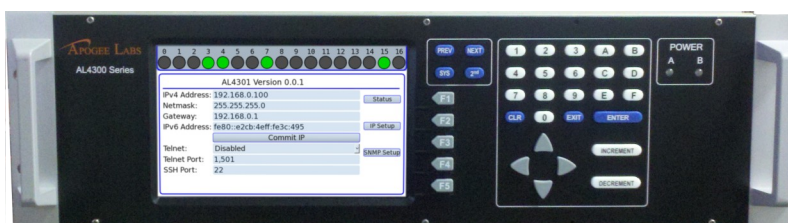




AL6301-LCD DATA LINK TEST SET



FEATURES

- Modular design can hold with up to 17 module slots
- User definable Module status
- Multiple data paths supported through the use of Apogee Labs Multiplexing modules.
- Backward Compatible with existing Apogee Labs Bit Error Rate Test Modules
- Secure Ethernet remote control with Https (secure web server); SSH; SNMP v 2c / 3
- Bright, high contrast, LCD front panel display with easy to use controls
- 5.25" high rack mount chassis; sturdy construction

OVERVIEW

The AL6301 Data Link Test Set (DLTS) is a field configurable system for testing data path performance / integrity. Modularity and scalability are integral elements of the AL6301 design, making the unit easy to use and expand. With up to 17 available module slots, the AL6301 can be configured to address specific application requirements and the plug-in modules are easily installed into the chassis, permitting ease of expansion or reconfiguration to support changing applications. Each time a card is installed in the chassis, initial power-on tests are performed, the card slots are read to detect the presence of a card, and the installed cards automatically initialize and reactivate the last programmed settings. Compatible Modules for bit synchronization, signal mixing, noise generation, RF modulation, Viterbi encoding and interface/code conversion along with Apogee Labs Multiplexing modules allow for the testing of a variety of transport mediums including Gigabit Ethernet, T1, multiple T1 (inverse multiplexing), DS-3, and OC-3.

Additionally, since the required control and monitoring software is included on each module, once the user inserts the modules and restores power, the front panel and remote control functions become active. In conjunction with a high contrast LCD display, an easy to use secure web interface provides for control remotely. The AL6301 also supports command line remote control allowing the user to integrate remote operation of the unit into customer developed software.

SPECIFICATIONS

CHASSIS DIMENSIONS

- 5.25" high x 19" wide x 14.5" deep
- Rack mount (standard EIA rack) or stand alone

COMPATABILITY

AL6300 Bus Compatible Support Modules:

- Low Pass Filter
- Mixer
- Noise Generator
- PCM Bit Synchronizer
- Viterbi Encoder/Decoder
- Mux/Demux

WEIGHT

- 15 lbs without modules
- Approximately 8 oz per module

POWER

- Hot swappable redundant power supplies (Optional)
- 90 VAC to 240 VAC, single phase, auto select

ENVIRONMENTAL

- 0°C to 40°C operating temperature
- -20°C to 70°C storage temperature
- 15% to 95% relative humidity; non-condensing
- 10,000 feet altitude

ETHERNET CONTROL

- RJ-45 connector
- 10 / 100 / 1000 connectivity
- SSH; SSL; SNMP v 2c / 3; TCP/IP; Radius; NTP; ARP

APPLICATION MODULES

- 3U x 220 mm Eurocard format

AL6301 Functional Block Diagram

