



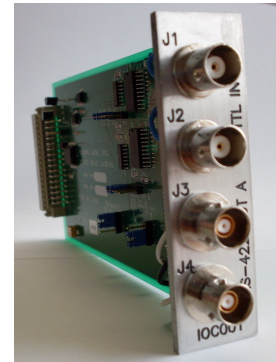
APOGEE LABS

IOC001

TTL TO RS-422 CONVERTER MODULE

FEATURES

- Two Independent TTL Level Inputs
- Two Independent RS-422 Level Outputs
- Inputs Illuminate Front Panel LED's
- Selectable Input Termination (50Ω and 75Ω)
- Drives Daisy Chain and Global Bus
- High Current Outputs
- Independent Polarity Selection
- Operates up to 35Mbps



OVERVIEW

The IOC001 Pluggable Interface Module (PIM) accepts two TTL level input signals and produces two RS-422 level output signals. Both output polarities may be inverted independently. The IOC001 uses two BNC input connectors, two triax output connectors, and operates up to 35Mbps. Input termination is jumper selectable for either 50Ω or 75Ω. A valid input to J1 of the IOC001 will illuminate the corresponding "A" LED on the chassis while a valid input on J2 will illuminate the corresponding "B" LED on the chassis. The IOC001 can also drive the daisy chain and global buses in the Model AL2073 and AL2873 chassis' enabling the user to create multiple copies of the output signals. The IOC001 is a single slot module.

APPLICATION INFORMATION

The IOC001 can be used to convert any two TTL level signals to two RS-422 level signals. This helps join equipment with unlike interfaces by properly receiving and driving signals. The IOC001 can also be used in a distribution application where the Daisy Chain Bus or Global Bus is used to distribute multiple copies of one or both input signals.

This module can also be plugged into Apogee Labs Chassis Models:
 AL2073 Signal Converter Interfacer
 AL2873 Configurable Interface Unit
 AL2073-S Single Module Interfacer Chassis

SPECIFICATIONS

GENERAL

- Single slot module (3" x 6" x 0.9")
- 2 independent channels

INPUT

- TTL level inputs
- BNC type connectors
- Selectable 50Ω or 75Ω termination
- Supports data rates up to 35 Mbps

OUTPUT

- RS-422 level outputs
- Triax type connector

ENVIRONMENT

- Operating temperature: 0° C to +55° C
- Storage temperature: -40° C to +70° C
- Humidity: up to 95% non-condensing