



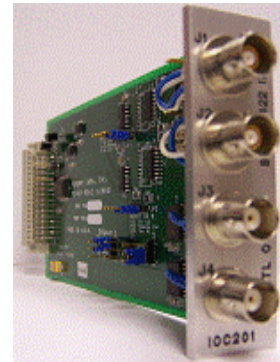
# APOGEE LABS

## IOC201

### RS-422 TO TTL CONVERTER MODULE

#### FEATURES

- Two Independent RS-422 Level Inputs
- Two Independent TTL Level Outputs
- Inputs Illuminate Front Panel LED's
- Selectable Input Termination (75Ω and 120Ω)
- Drives Daisy Chain and Global Bus
- High Current Outputs
- Independent Polarity Selection
- Operates up to 35Mbps



#### OVERVIEW

The IOC201 Pluggable Interface Module (PIM) accepts two RS-422 level input signals and produces two TTL level output signals. Both output polarities may be inverted independently. The IOC201 uses two triax input connectors, two BNC output connectors, and operates up to 35Mbps. Input termination is jumper selectable for either 75Ω or 120Ω. A valid input to J1 of the IOC201 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 IOC201 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 IOC201 is a single slot module.

#### APPLICATION INFORMATION

The IOC201 can be used to convert any two RS-422 level signals to two TTL level signals. This helps join equipment with unlike interfaces by properly receiving and driving signals. The IOC201 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

- RS-422 level inputs
- Triax type connectors
- Selectable 75Ω or 120Ω termination
- Supports data rates up to 35 Mbps

##### OUTPUT

- TTL level outputs
- BNC type connector

##### ENVIRONMENT

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