



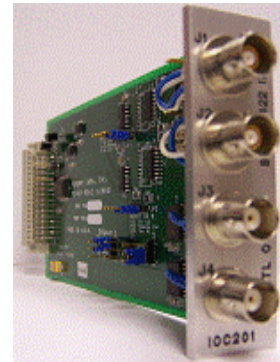
APOGEE LABS

IOC208

RS-422 TO ECL CONVERTER MODULE

FEATURES

- Two Independent RS-422 Level Inputs
- Two Independent ECL 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 20 Mbps



OVERVIEW

The IOC208 Pluggable Interface Module (PIM) accepts two RS-422 level input signals and produces two ECL level output signals. Both output polarities may be inverted independently. The IOC208 uses two triax input connectors, two triax output connectors, and operates up to 20 Mbps. Input termination is jumper selectable for either 75Ω or 120Ω. A valid input to J1 of the IOC208 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 IOC208 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 IOC208 is a single slot module.

APPLICATION INFORMATION

The IOC208 can be used to convert any two RS-422 level signals to two ECL level signals. This helps join equipment with unlike interfaces by properly receiving and driving signals.

The IOC208 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 20 Mbps

OUTPUT

- ECL 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