

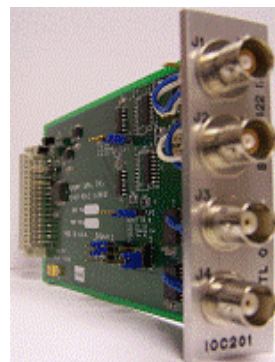
APOGEE LABS

IOC305

DIFFERENTIAL ECL TO RS422 CONVERTER

FEATURES

- Two Independent Differential ECL Level Inputs
- Two Independent RS422 Level Outputs
- Inputs Illuminate Front Panel LED's
- Drives Daisy Chain and Global Bus
- High Current Outputs
- Independent Polarity Selection
- Operates up to 20 Mbps



OVERVIEW

The IOC305 Pluggable Interface Module (PIM) accepts two differential ECL level input signals and produces two RS422 level output signals. Both output polarities may be inverted independently. The IOC305 uses two triax input connectors, two triax output connectors, and operates up to 20 Mbps. A valid input to J1 of the IOC305 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 IOC305 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 IOC305 is a single slot module.

APPLICATION INFORMATION

The IOC305 can be used to convert any two differential ECL level signals to two RS422 level signals. This helps join equipment with unlike interfaces by properly receiving and driving signals. The IOC305 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

- ECL level inputs
- Triax type connectors
- Supports data rates up to 20 Mbps

OUTPUT

- RS422 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