

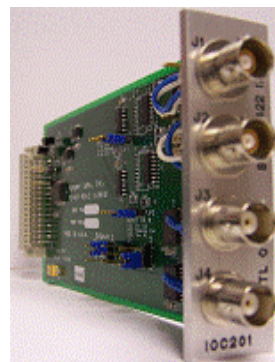


## IOC304

# SINGLE ENDED ECL TO TTL CONVERTER MODULE

### FEATURES

- Two Independent Single Ended ECL Level Inputs
- Two Independent TTL 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 IOC304 Pluggable Interface Module (PIM) accepts two single ended ECL level input signals and produces two TTL level output signals. Both output polarities may be inverted independently. The IOC304 uses two BNC input connectors, two BNC output connectors, and operates up to 20 Mbps. A valid input to J1 of the IOC304 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 IOC304 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 IOC304 is a single slot module.

### APPLICATION INFORMATION

The IOC304 can be used to convert any two single ended ECL level signals to two TTL level signals. This helps join equipment with unlike interfaces by properly receiving and driving signals. The IOC304 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
- BNC type connectors
- Supports data rates up to 20 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