



ISOLATED IRIG TIME INPUT TO IRIG TIME OUTPUT MODULE

FEATURES

- Two independent analog IRIG time level inputs and outputs
- Isolated return paths for each output
- 1 KHz to 100 KHz bandwidth
- Independent input gain control
- NASA 36 compatible
- Utilizes chassis front panel signal indicator LED's
- Inputs drive daisy chain bus
- High current outputs
- IRIG-A, B, D, E, G, H compatible
- NASA 36 compatible

OVERVIEW

The IOC421 pluggable interface module receives and terminates two independent analog IRIG time signals. The IOC421 then buffers and drives the signals to both the chassis daisy chain bus (for distribution to an IOC422) and any combination of outputs. The IOC421 uses two BNC input connectors, two BNC output connectors, and operates up to 100 KHz. IOC421 outputs can be sourced from either of the two inputs providing for a one in two out distribution with isolated returns. Each input has a gain adjustment located behind the panel of the card which is accessible via a trimming tool below and to the right of the input connector. The IOC421 drives the daisy chain bus of both the AL2073 Signal Interfacer chassis and AL2873 Configurable Interface Unit chassis, and when matched with an IOC422 (four output analog IRIG card), a single input can be reproduced up to 52 times. Front panel LED's on the chassis will illuminate when there is an active input to the IOC421 providing a quick look feature that input signal is present. The IOC421 requires one slot of the 14 available slots in either the AL2073 or AL2873 chassis. The IOC421 can also be used in the AL2073-S Single Interfacer chassis as a stand-alone module.

APPLICATION INFORMATION

The IOC421 can be used to buffer and drive two independent analog signals within a 1 KHz to 100 KHz bandwidth. The IOC421 can also be used in a distribution application where the chassis daisy chain bus is used to distribute multiple copies of one or both input signals.

This module can be used in the AL2073 Signal Interfacer chassis, AL2873 Configurable Interfacer Unit chassis, and AL2073-S Single Interfacer chassis.

SPECIFICATIONS

GENERAL

- Single slot module (3" x 6" x 0.9")
- 2 independent channels
- Drives daisy chain bus

INPUT

- Analog IRIG input with rates of 1KHz to 100 KHz
- BNC type connectors
- Adjustable gain

OUTPUT

- BNC type connectors
- Selectable between either input
- High Current with isolated returns

ENVIRONMENT

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