APOGEE LABS

2109

ASYNC2 Asynchronous Serial Data Module

FEATURES

- Single slot module
- 4 independent asynchronous serial ports
- Full duplex, half duplex, & simplex interface
- DB-9 type connector

- Selectable baud rate 1200 baud to 115.3 k baud for each channel
- RS232 / RS485 / RS422 interface standards
- Programmable channel ID tag

OVERVIEW

The ASYNC2 is a full duplex, four channel asynchronous data handling module for use in Apogee Labs' AL4300 series multiplexers/demultiplexers. The module collects data on its serial input ports and packetizes it; Concurrently, the ASYNC2 receives data from its demultiplexer port, formats it, and sends it to the serial data output port. Capabilities include multiplexing four channels of asynchronous serial data (received on either an RS-232 or RS-422/485 interface) and the module receives and transmits data on all four channels at rates up to 115k baud. The ASYNC2 provides a full duplex data path for asynchronous data and also functions in simplex mode when installed in a multiplexer that only support unidirectional communications.

The ASYNC2 module is simple to configure. Full operability is achieved after the input and output interfaces are selected, the baud rate is set, and the channel ID Tag is entered. All setup and configuration is done by front panel and jumper configuration and status monitoring is accomplished via a user-friendly, front panel operator interface or the simple ASCII remote control.

The 2109 ASYNC2 Module is used in conjunction with Apogee Labs' 4014 ASYNCC & 4020 AASYNCO modules.

SPECIFICATIONS

NUMBER OF CHANNELS
- 4, Independent

CHANNEL ID
- 11 bit programmable value Ox000 to Ox7FO

CONNECTORS
- 2 DB-9 female connectors

OUTPUT
- RS232 / RS485 / RS422

INPUT
- RS232 / RS485 / RS422
- Selectable 120-ohm termination
- 1 Start bit, 8 Data bits, 1 Stop bit
- Parity: Odd, Even or None

COMPLIMENTARY HARDWARE
- 4014 AASYNC Module
- 4020 ASYNCO Module

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