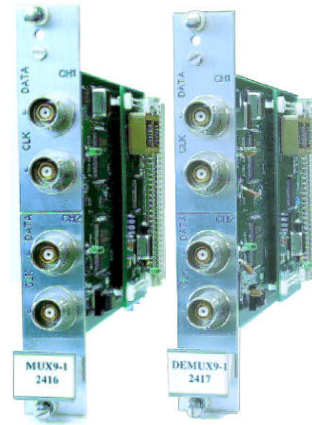




2416 / 2417 MUX9-1 & DEMUX9-1 (2) CHANNEL PCM ENCODER / DECODER

FEATURES

- Single slot module
- Two independent input / output channels
- Bit rates from 1 Kbps to 35 Mbps
- NRZ-L data with 0° clock
- RS-422 level signals on triax connectors
- Automatic frequency tracking
- Programmable channel ID tag
- Jumper selectable 75Ω or 120Ω input termination
- Smooth output reconstruction (< 0.5% jitter; no gaps or gated clock)
- Remote control capability



OVERVIEW

The Mux9-1 module accepts serial digital data, buffers it and formats it into source packet data units. These source packets are available over the multiplexer bus backplane for inclusion into the multiplexer composite output stream. Multiple copies of this module may be placed into the AL43xx multiplexer / demultiplexer chassis to include a large number of serial inputs.

The Demux9-1 module reconstructs a serial data and clock stream that was received from a corresponding data channel input module in a multiplexer / demultiplexer unit. The Demux9-1 does this in a fashion that produces a smooth (un-gated) synchronous serial output with the data/time aligned with other serial output channels. Multiple copies of this module may reside in the AL43xx multiplexer/demultiplexer chassis to include a large number of serial outputs.

SPECIFICATIONS

INPUT / OUTPUT

- Two independent channels
- RS-422 level data
- Jumper selectable 75Ω or 120Ω termination
- Triax type connectors

FREQUENCY

- 1 Kbps to 26 Mbps in 10ms sample mode
- 3.5 Kbps to 35 Mbps in 1ms sample mode

DATA TYPE

- RS-422 data with 0° clock

CHANNEL ID

- 11 bits
- Range from 0x000 to 0x7F0

COMPATIBILITY

- AL43xx / AL63xx chassis
- Single slot module

ENVIRONMENTAL

- Operating temperature: 0° to 50° C
- Relative humidity: 15% to 95%; non-condensing
- Altitude: Sea level to 10,000 feet