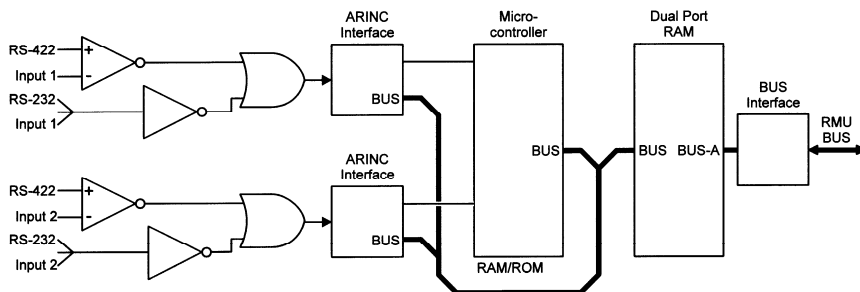


# Airborne Telemetry

## MSC1000-014 Data Decoder Module (2 Channel) *Airborne Data Acquisition Products*



### FEATURES

- Maximum baud rate is 200 K baud
- Programmable baud rate, character size, stop bits, and parity for each channel

### DESCRIPTION

The MSC1000-014 accepts either two RS-232 or two RS-422 inputs from external sources for insertion into the RMU PCM stream. The serial data streams are standard asynchronous inputs defined by a start bit, number of stop bits, bits per character, and parity.

### ELECTRICAL CHARACTERISTICS

- RS-232/RS-422 electrical inputs, programmable per channel
- FIFOdepth:1024 bytes per buffer
- Stop bits: 1 or 2, programmable per channel
- Bits per character: 6, 7, or 8, programmable per channel. A special case of 5 bits per character is allowed with 1 or 1.5 stop bits.
- Baud rate:  $1.152 \text{ MHz} / N$  (where N is a 16-bit integer value), programmable per channel (200 K Baud maximum)
- Parity: Even, odd, none, programmable per channel
- 8 bits per PCM word + FIFO empty bit



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