

Functional Description for the TMS320C31 Evaluation Board

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The purpose of our project is to improve the functionality of Texas Instrument's TMS320C31 Digital Signal Processor. The evaluation board currently produced is an inexpensive board and provides little to no access to the boards I/O's.

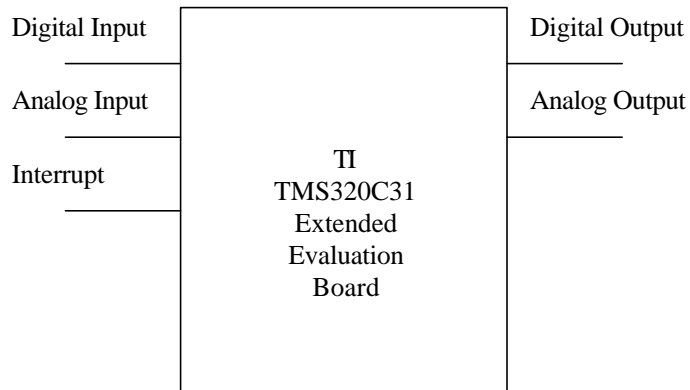


Figure 1 - Block

The board will be designed to provide three main inputs: an easy way to input analog and/or digital signals and an external interrupt pin for the CPU. The outputs consist of analog and digital signals. Another feature of the board will be an additional 2K of program and data memory to allow for larger programs and more complicated applications .