
MODEL 3200CPU

CONTROLLING PROCESSOR CARD

The Model 3200CPU Controlling Processor Card is a component of the IED 3200 Series. Its functions in the system include digital interfacing between 3200 Series cards and power supplies, providing clock signals and Ethernet interfaces. The 3200CPU utilizes an 80C296 microprocessor.

Some of its many functions include:

- Controls the audio inputs and input processing through the 3208AD Audio Input Cards
- Controls the audio outputs and output processing through the 3208DA Audio Output Cards
- Provides digital signal processing and audio routing from inputs to outputs
- Communicates with the IED 590 Computer or Configuration PC to receive configuration information and transmit status information

The 3200CPU is an integral part of the 3200 System and is included with the 3200SYS-L System Kit.

The 3200CPU is designed to be mounted in the 3200MF Mainframe, through which its power and signal connections are made. It has its own dedicated slot in which it must be installed, which is slot 1 at the extreme right of the 3200MF Mainframe as viewed from the rear.

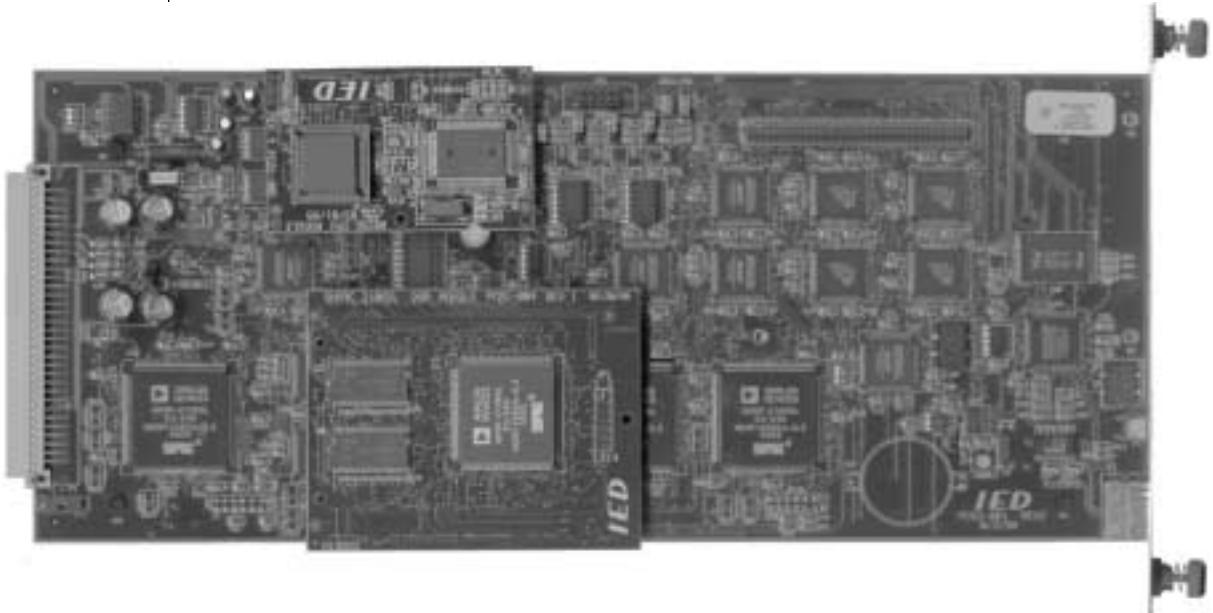


Figure 1 - 3200CPU Controlling Processor Card

SPECIFICATIONS

ELECTRICAL, ANALOG

- 1. Power Supply
 - Supply Voltage Range
 - +5 V supply 5.22 V - 5.25 V
 - +3.3 V supply 2.835 V - 3.135 V
 - Supply Current
 - V = +5 V 2.23 A
 - V = +3.3 V 900 mA

CONTROLS

- 1. Reset. Momentary Push Switch

INDICATORS (On mainframe)

- 1. Power Blue LED
- 2. CPU Status Tricolor LED
 - Normal Operation Blinking Green
 - Data Transfer. Orange
 - Fault Red
- 3. Fault Status. Tricolor LED
 - Normal Operation Blinking Green
 - Fault Condition. Orange
 - Fault Condition Red

MECHANICAL

- 1. Size (maximum overall dimensions as viewed from front)
 - Height (17.0 cm) 6.71"
 - Width (3.25 cm) 1.28"
 - Depth (33.5 cm) 13.2"
- 2. Weight (709 gm) 1.56 lb

ENVIRONMENTAL

- 1. Operating Temperature Range (+32 °F - +104 °F) 0 °C - +40 °C
- 2. Storage Temperature Range (-40 °F - +158 °F) -40 °C - +70 °C

Innovative Electronic Designs, Inc. • 9701 Taylorsville Road • Louisville, Kentucky 40299 • USA
Phone: (502) 267-7436 • Fax: (502) 267-9070 • Internet: <http://www.iedaudio.com>

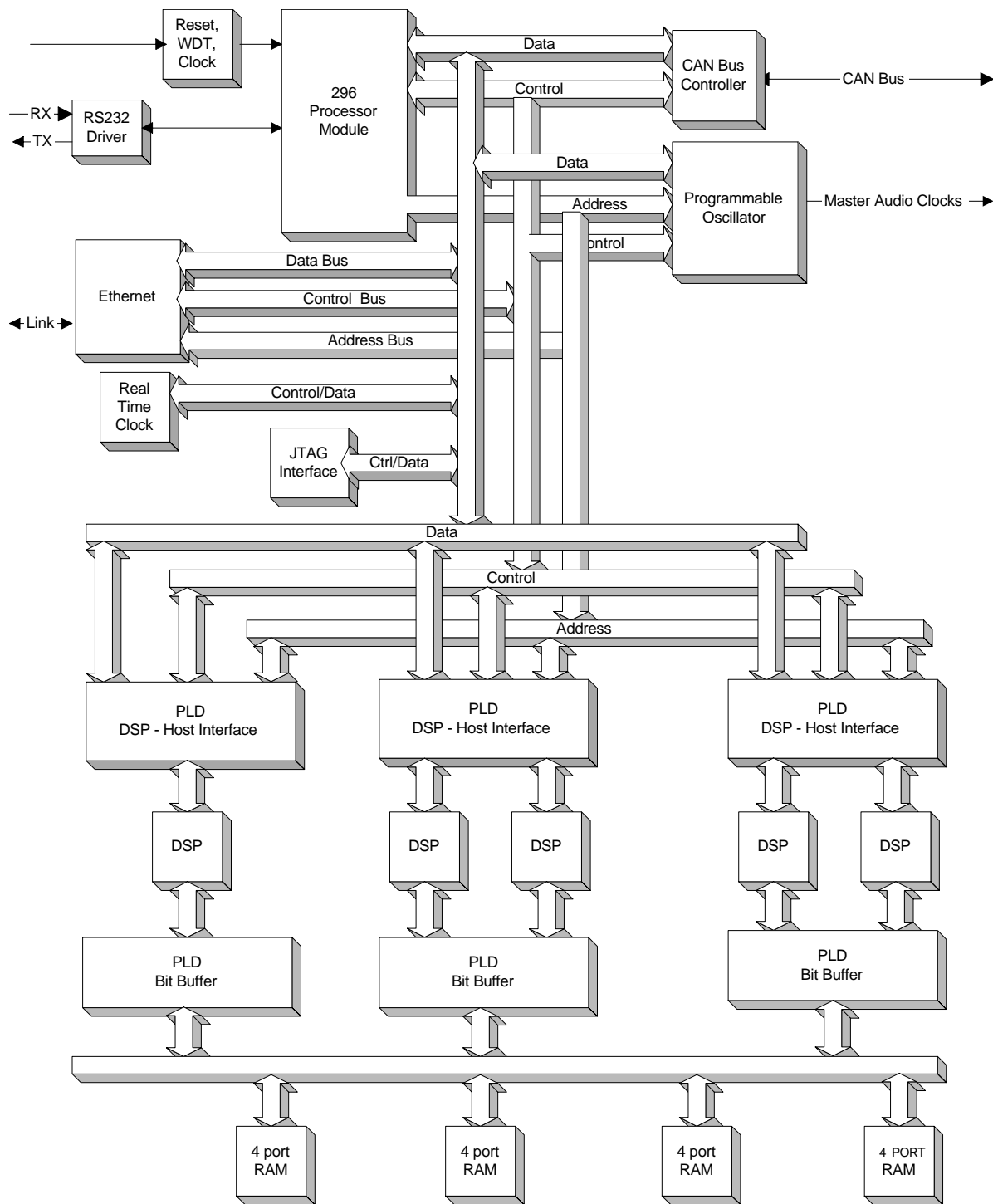


Figure 2 - 3200CPU Block Diagram



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