

# **AC, DC, and Mechanical Specifications**

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This chapter provides a brief description of the TI486DX2 data sheet. The data sheet, literature number SRZS006A, contains complete ac, dc, and mechanical specifications for the TI486DX2 microprocessor. The data sheet can be obtained from the TI contacts that routinely supply you information on PC Systems Products.

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## 5.1 Specifications

Electrical and mechanical specifications for the TI486DX2 microprocessor are provided in a data sheet, literature number SRZS006A. Specifications covered are:

- dc specifications
  - Absolute maximum ratings
  - Recommended operating conditions
  - Electrical specifications
- ac characteristics
  - Timing requirements
  - Switching waveforms
- Mechanical data
  - Terminal assignments and signal descriptions
  - Package outline dimensions

The specifications include overview descriptions of:

- Execution pipeline
- On-chip write-back cache
- FPU operations
- Clock doubling
- Power management
- System management mode
- Suspend mode and static operation
- Mixed 3.45-V and 5-V operation