



8088 8-BIT HMOS MICROPROCESSOR 8088/8088-2

- 8-Bit Data Bus Interface
- 16-Bit Internal Architecture
- Direct Addressing Capability to 1 Mbyte of Memory
- Direct Software Compatibility with 8086 CPU
- 14-Word by 16-Bit Register Set with Symmetrical Operations
- 24 Operand Addressing Modes
- Byte, Word, and Block Operations
- 8-Bit and 16-Bit Signed and Unsigned Arithmetic in Binary or Decimal, Including Multiply and Divide
- Two Clock Rates:
 - 5 MHz for 8088
 - 8 MHz for 8088-2
- Available in EXPRESS
 - Standard Temperature Range
 - Extended Temperature Range

The Intel 8088 is a high performance microprocessor implemented in N-channel, depletion load, silicon gate technology (HMOS-II), and packaged in a 40-pin Cerdip package. The processor has attributes of both 8- and 16-bit microprocessors. It is directly compatible with 8086 software and 8080/8085 hardware and peripherals.

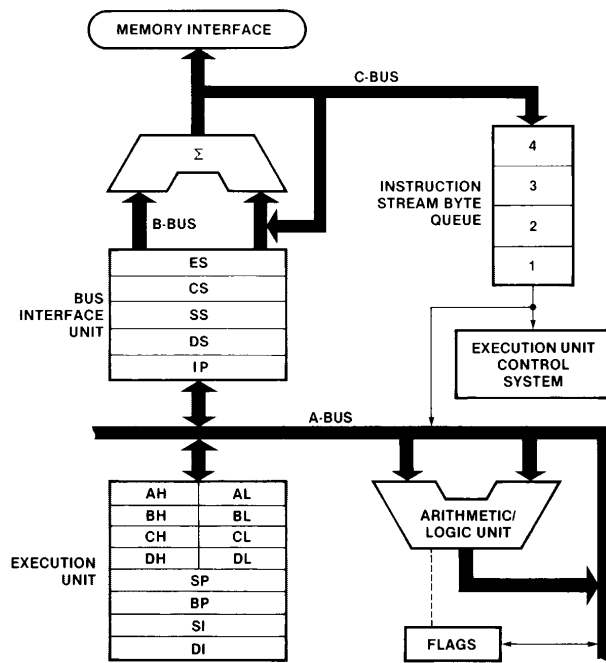


Figure 1. 8088 CPU Functional Block Diagram

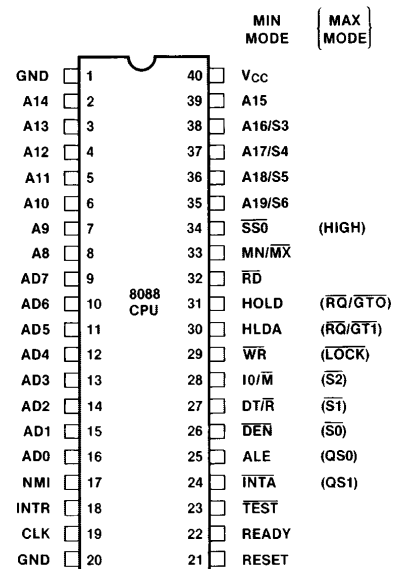


Figure 2. 8088 Pin Configuration