

MIKROSZÁMÍTÓGÉPEK

Amint idővel tekintélyesebb (>kByte) mennyiségű memóriát is sikerült a processzor mellett egy chipen megvalósítani, úgy megszülettek az egy chipes **MICROCOMPUTER**-ek.

PIC

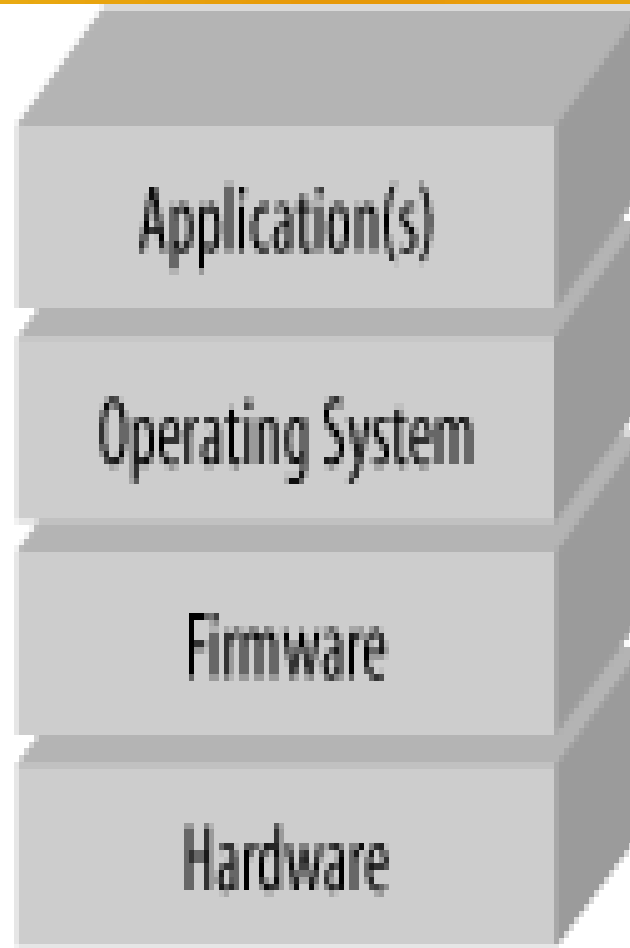
ATMEL/Arduino

Raspberry Pi

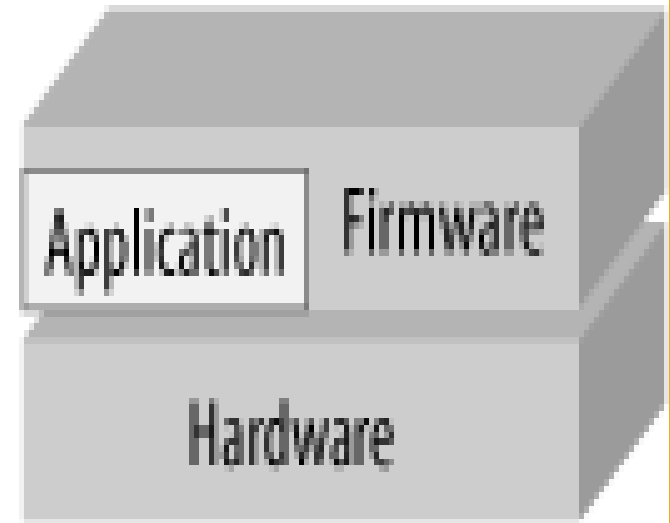
Ezek ma már évi milliárdos szériákban készülnek.



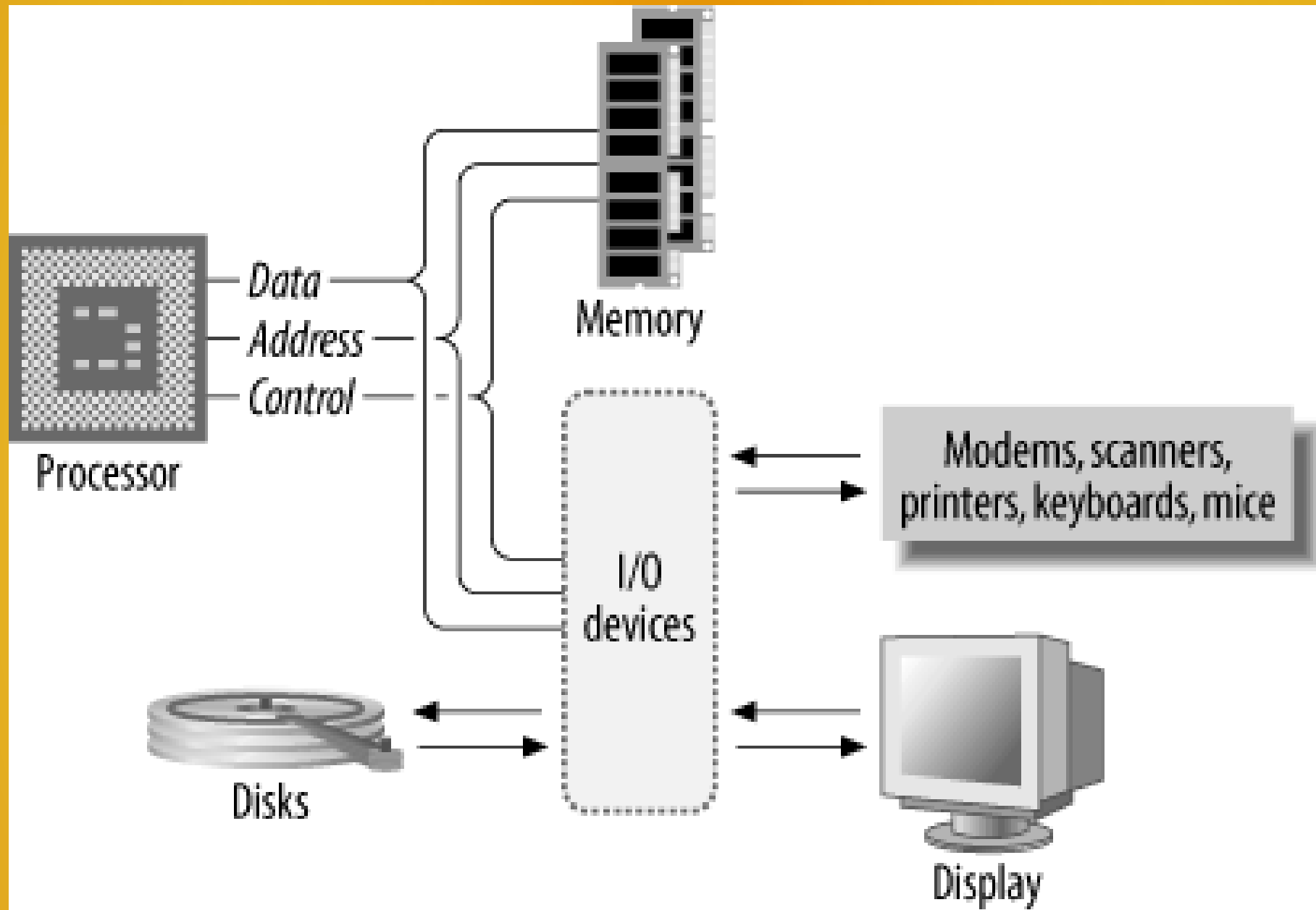
*Desktop
computer*

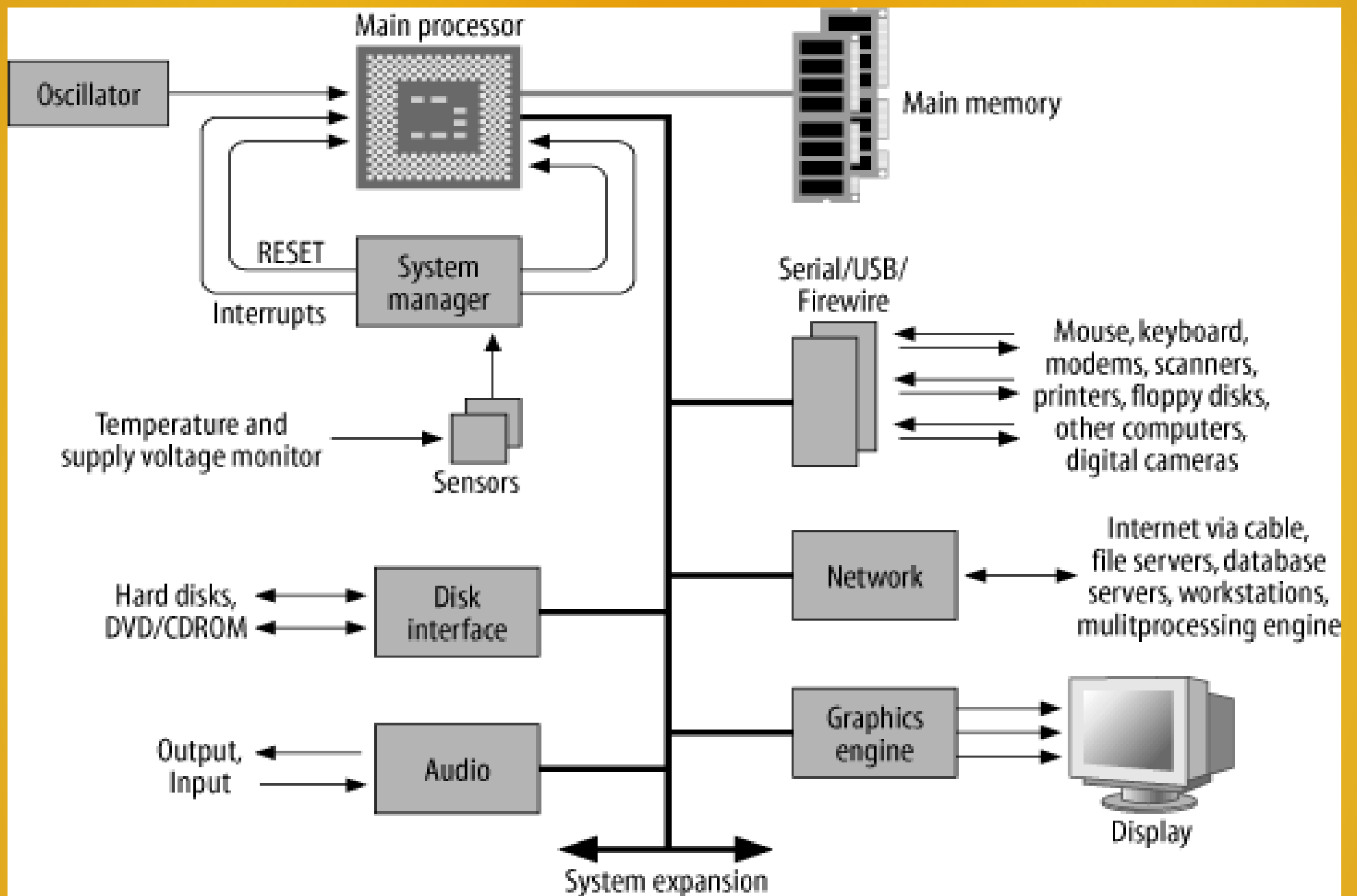


*Complex embedded
computer*

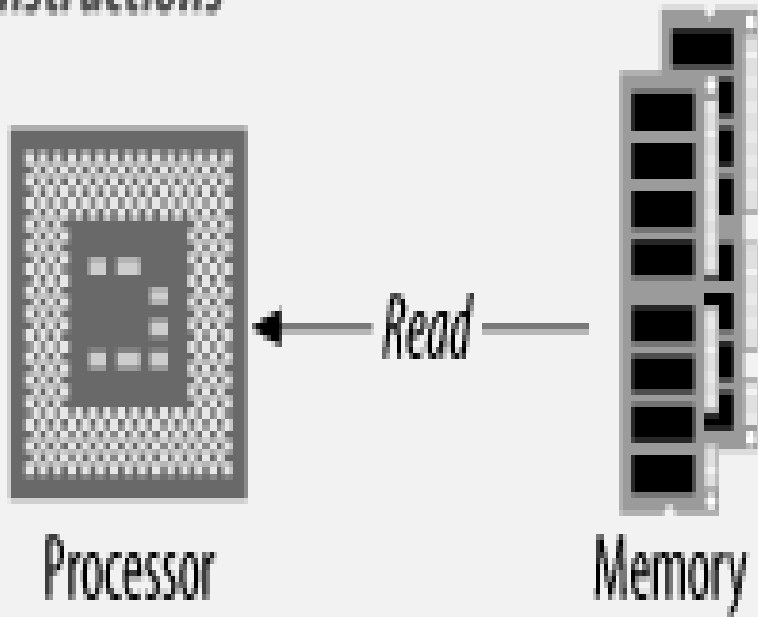


*Simple embedded
computer*

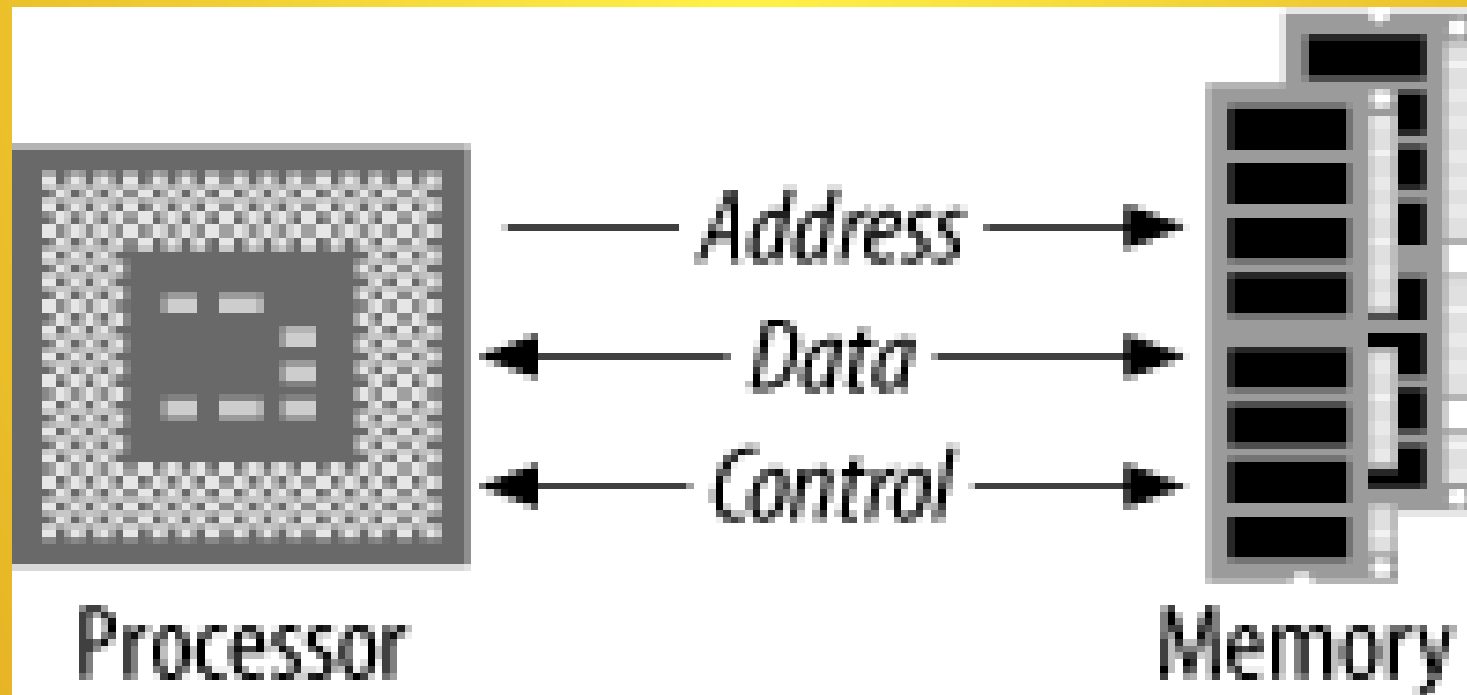
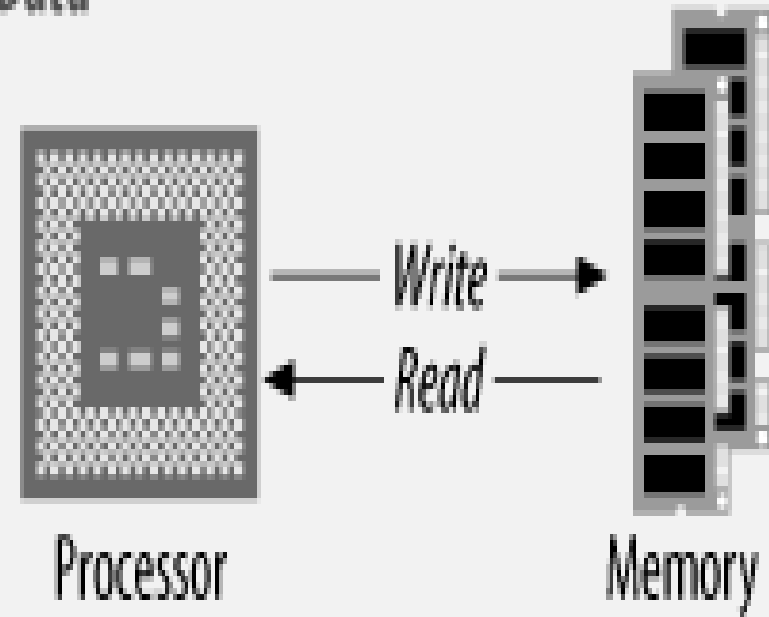




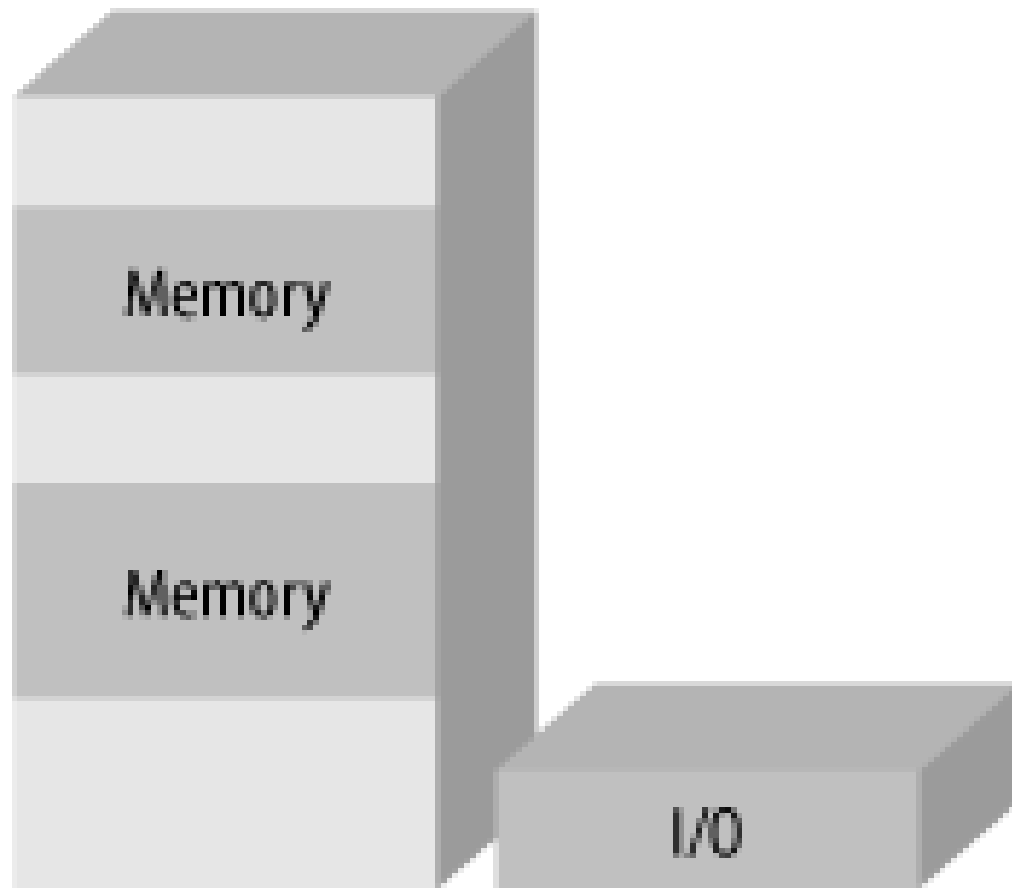
Instructions



Data



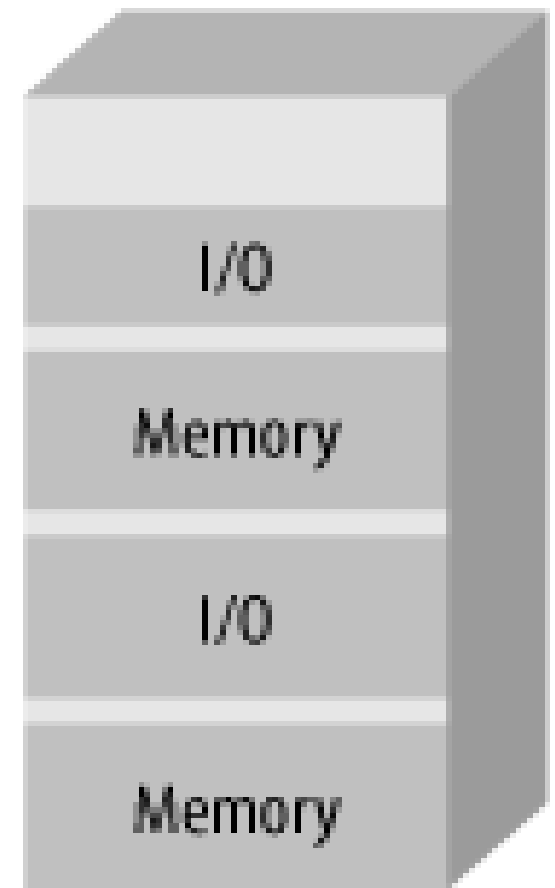
Ported I/O



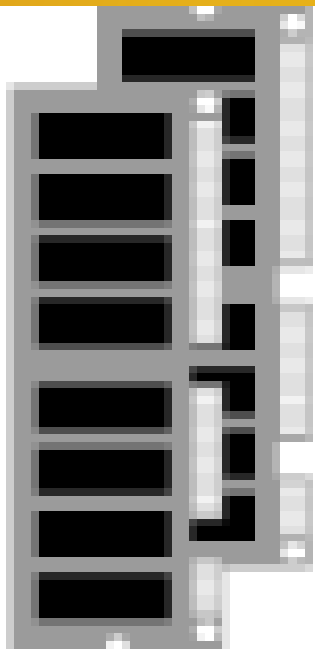
Memory Space

I/O Space

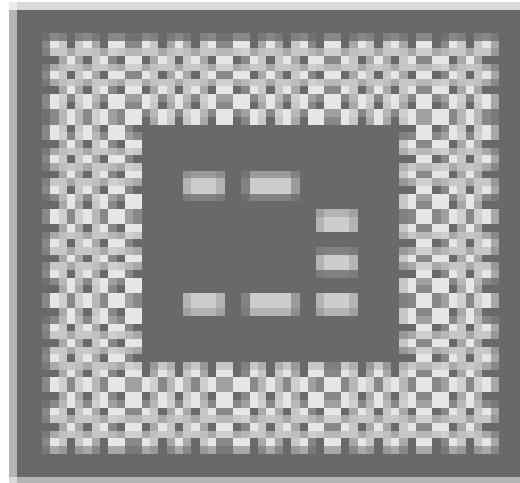
Memory mapped I/O



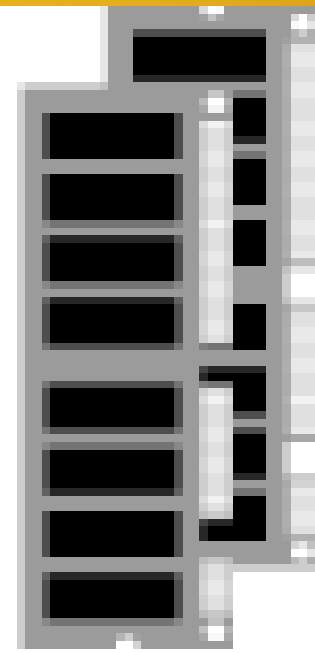
Memory space



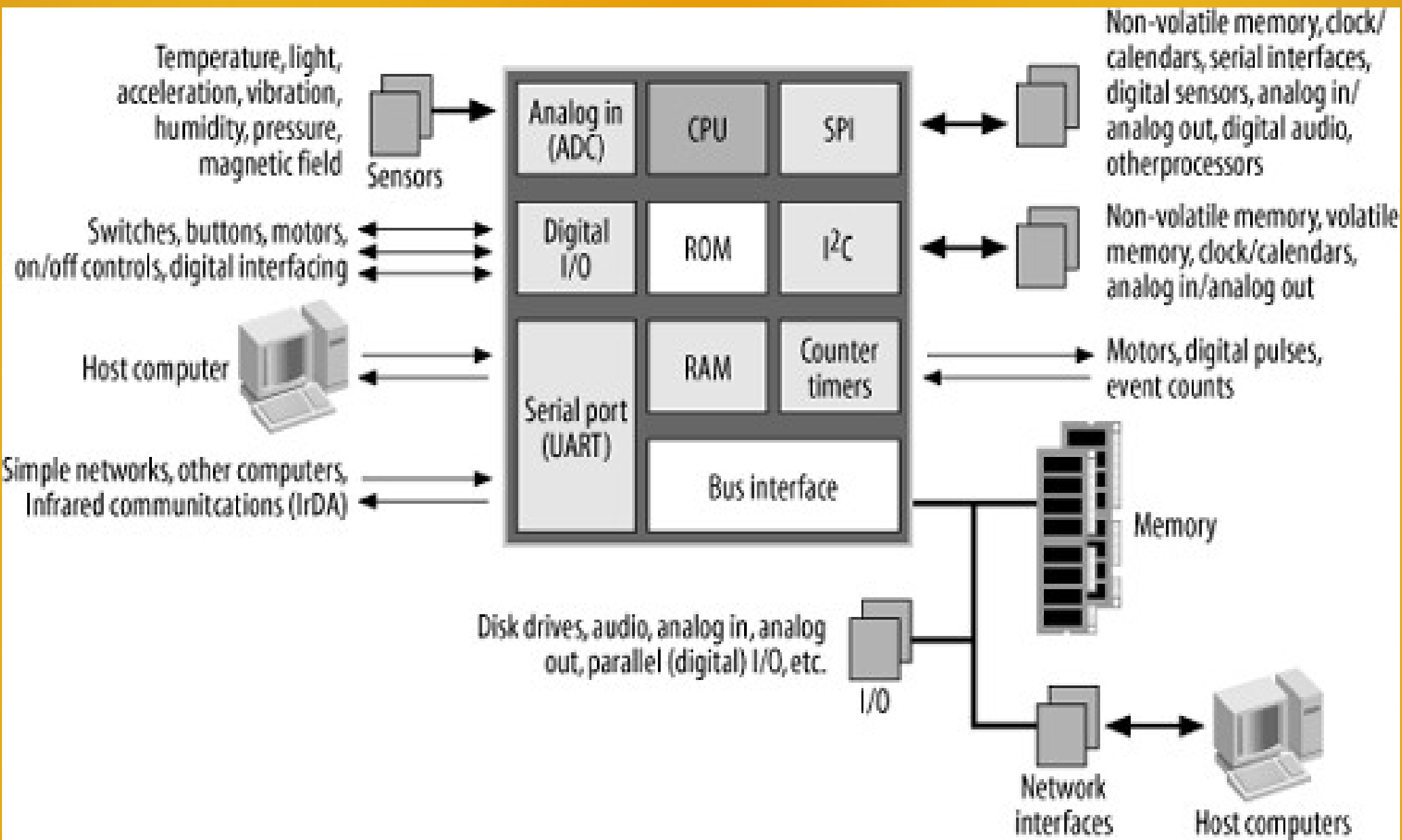
Program
memory

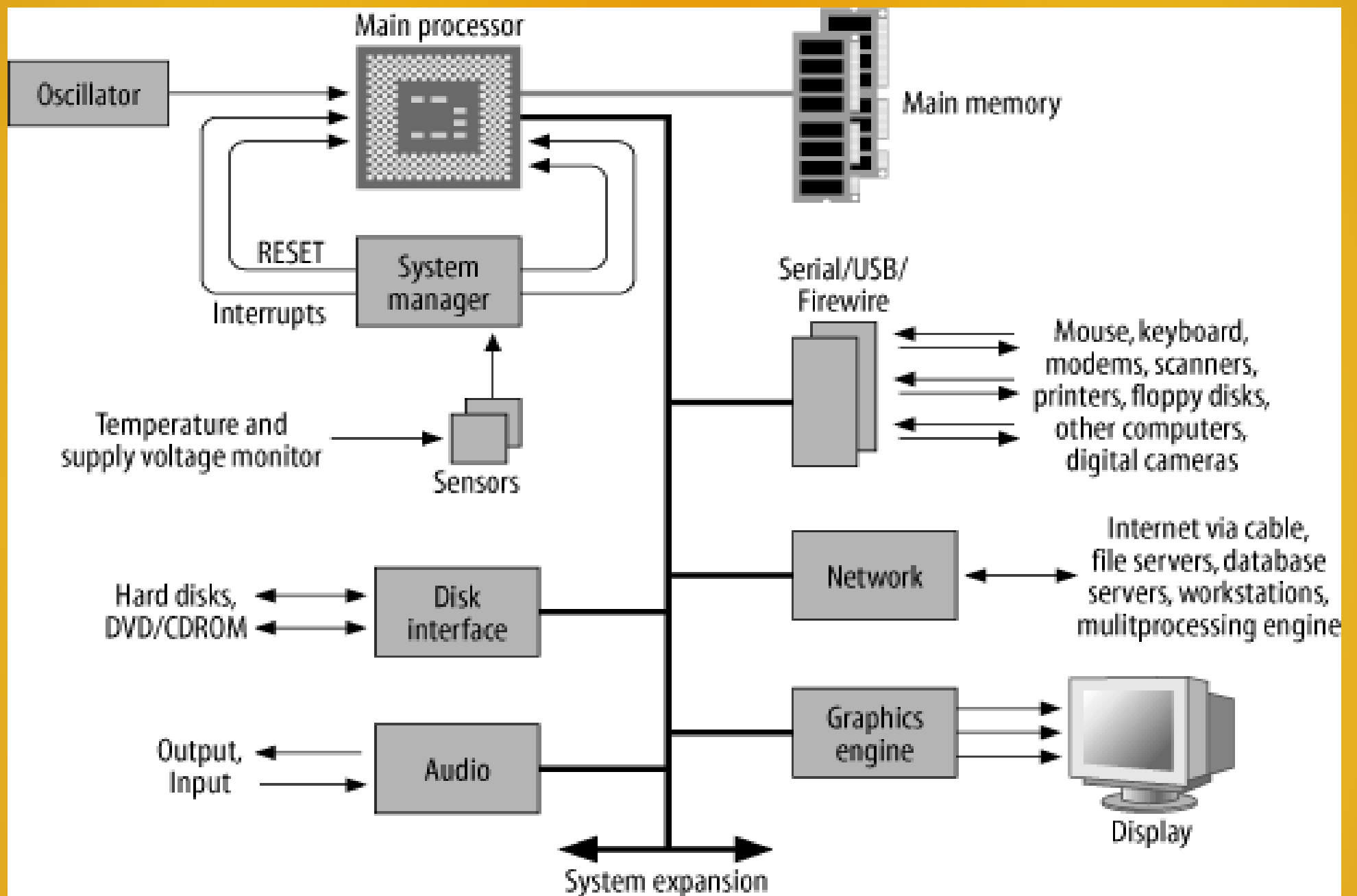


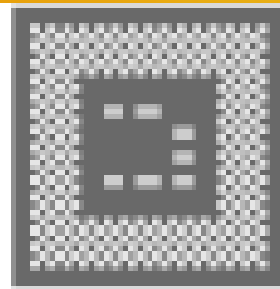
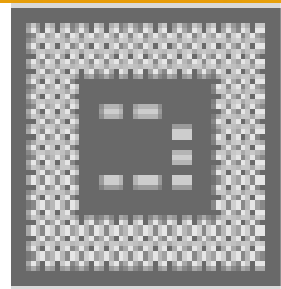
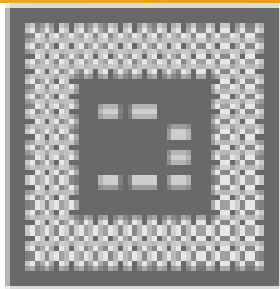
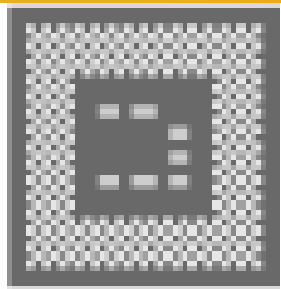
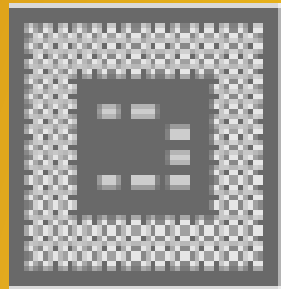
Processor



Data
memory







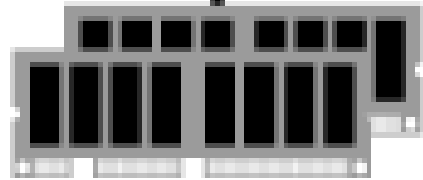
Processor

Processor

Processor

Processor

Processor



Memory



I/O

