

More about computer hardware

2 March 1999

Announcements

- 3 handouts in back (including this one)
- Extension on assignment 4; assignment 5 still due
- Matt and Lifan's snow day
- Homework = 40%

Topics

- Analog and digital revisited; modems
- RAM (VCR clocks; digital watches; Scrabble)
 - SIMMs, DIMMs, EDO, SDRAM
- Cache (SRAM)
- ROM, BIOS (calculators revisited; microwave ovens; cars), POST
 - Input arbitration (interrupts)
- Motherboards (attaching keyboards, mice, and monitors for input/output)
- Buses
- Virtual memory
- Hard drives (bigger, installable programs)
- Expansion buses (ISA, PCI, SCSI)
 - Modems, network, sound, and video cards
 - PC(MCIA) cards
- Ports
 - Display, keyboard, mouse, parallel, power, serial, *etc.*
- Input/Output (I/O) devices
 - Keyboard, microphone, monitor, mouse, printer, scanner, speaker, *etc.*
- Storage devices
 - FDDs, HDs, CD-ROM, DVD, Zip, Jaz
- Monitors (CRT, LCD)
- Types of computers: desktop, laptop, and palmtop
- What to look for when buying a computer
 - Prices and features

Pentium II-style Motherboard and Ports

