Hardware Components of a Computer System
Input Devices

**Input Devices** - A hardware device to enter information into the computer.

1. Pointing Devices

2. Source Data Automation

3. Other Input Devices
Keyboard
1. Pointing Devices
The Mouse
Trackball
Touchpad
Pointing Stick
(trackpoint)
Joystick
Pen Input
Touch Screen
Graphics Tablet
2. Source Data Automation
Image Scanner
Bar Codes
Optical Mark Recognition (Scantron)
Optical Character Recognition

Whatever else it was, the shot that led North Carolina to a 60-59 victory and its first national women's basketball title was a jaw-dropper, even for a team with outrageously gifted athletes. Finding a different way to win all six of its games may well be the key to the tournament. Ranked fourth in the country despite being only three years removed from the ACC cellar, the Heels were alternately considered over and underappreciated going into the tournament and, in any case, not particularly good bet to reach the Final Four.

However, as the tournament rolled on, the Heels revealed formidable depth. W. Smith, the team's leading rebounder...
Magnetic Ink Character Recognition
Data Collection Devices
3. Other Input Devices
Sound and Voice Input
(Digital or Analog) Video Camera
Electronic Whiteboards
Data Glove

This data glove is from Fifth Dimension Technologies
www.5dt.com
Output Devices

Output Device - A hardware device which takes processed data, information, and puts it into a useful form which can be used by a person or a machine.

1. Hard copy – printed output
2. Soft copy - information displayed on a monitor or similar device, or stored electronically
Audio Output
Video Output
Printers
(Laser)
Printers
(Ink Jet)
Plotters
other output devices

DigiScents presents the i-smell synthesizer

Won product awards in 1999, 2000, 2001
Company went bankrupt in April, 2001

read about the company at:
http://www.thestandard.com/article/0,1902,23654,00.html
Some devices combine input and output…
Some devices combine input and output

Head Mounted Display (HMD)

Input: “motion trackers”
Output: display screen (3d)

www.5dt.com
Some devices combine input and output

Force-Feedback joystick
www.logitech.com

Input: move stick, press buttons
Output: forces applied to stick