



# PERSONAL COMPUTERS

## BUYING A COMPUTER



# BUYING A COMPUTER

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- ✘ What Is Hardware & Software?
- ✘ Choices When Buying A Computer



# WHAT IS HARDWARE & SOFTWARE?

## ✘ Hardware

- + Processor (CPU)
- + Memory
- + Hard Drive (Internal/External)
- + Monitor
- + Keyboard
- + Mouse
- + Printer / Copier
- + Scanner / FAX
- + Speakers
- + Web Camera
- + Microphone

## ✘ Software (On Hard Drive)

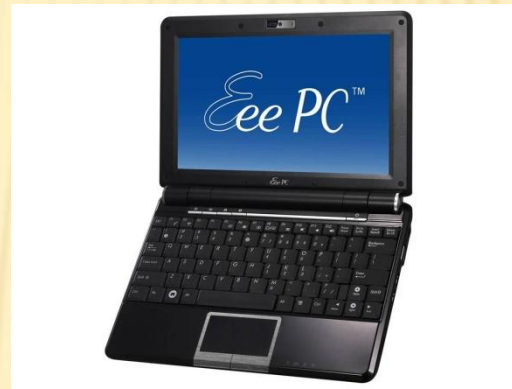
- + Entertainment Programs
- + Browse Internet
- + Financial Management
- + Home Inventory
- + Operating System
- + Games
- + Antivirus
- + Genealogy
- + Spreadsheet
- + Word Processor

Software Executes/Runs On Hardware



# CHOICES WHEN BUYING A COMPUTER - 1

- ✘ Computer Type (Laptop, Netbook Or Desktop)





# CHOICES WHEN BUYING A COMPUTER - 2

## ✘ Windows Versions

- + 98 - Obsolete
- + 2000 - Obsolete
- + ME - Obsolete
- + XP (Home Or Professional) – Most Stable OS
  - ✘ Available From Custom Builders
  - ✘ XP Home Available On Some Netbooks
  - ✘ Currently Supported Until 2014
- + Vista (Home Basic, Home Premium, Business, Ultimate)
  - ✘ Not Recommended – Lots Of Issues
- + Windows 7 (Starter, Home Premium, Professional, Ultimate)
  - ✘ Latest Windows Version – Stable
  - ✘ Home Premium Standard On Most Retail PCs
  - ✘ Starter On Some Netbooks



# CHOICES WHEN BUYING A COMPUTER - 3

- ✘ Price Range (\$125 - \$10,0000+)
  - + How Often Used (More Use, Then Better Quality Needed)
  - + Speed (How Fast Does The PC Need To Be?)
  - + Storage (How Many Software Programs And How Much Data Will You Need To Store?)
  - + Used Or Refurbished Or New Or Custom Built
  - + Monitor Size
  - + Graphics Required?



# CHOICES WHEN BUYING A COMPUTER - 4

- ✘ Monitor (CRT Or Flat Screen)
  - + CRT – Old Technology, Hard To Find
  - + Flat Screen – Current Technology
  - + Size – 10 Inch To 57 Inch
  - + Resolution – Higher Means Sharper Image
  - + Cost – \$20 - \$8,500



# CHOICES WHEN BUYING A COMPUTER - 5

- ✘ Hard Drive (Amount Of Storage In Gigabytes)
- ✘ Optical Drive – Read Only Or Read/Write
  - + CD – 650 Meg To 700 Meg
  - + DVD – 4,700 Meg (4.7 Gig)
  - + Blu-Ray – 25,000 Meg (25 Gig)
- ✘ Number Of Processors & Speed
  - + More Of Either Improves Efficiency
- ✘ Memory (RAM) – 2 Gig Minimum Recommended (1 Gig For Netbook)
  - + Some Come With 3 or 4 Gig
- ✘ Internet Connection – DSL (Medium), Cable (Fast) Or Dial-up (Slow - SNAIL)
- ✘ Printer, Copier, Scanner, Fax
- ✘ Bundled Software
- ✘ Uninterruptible Power Supply (UPS)



# SETTING UP THE COMPUTER

- ✘ Connect Monitor, Keyboard & Mouse
- ✘ Accounts & Passwords
- ✘ Turn-On & Log-On
- ✘ Using The Mouse – Customize Mouse Settings
- ✘ User Accounts
  - + Password
  - + User Account Picture
  - + Switch Users
- ✘ Date & Time
- ✘ Screen Size
- ✘ Keyboard
- ✘ Turn Off PC Or Restart PC



# BARB'S COMPUTER (2008 PRICES)



**Barb's Computer Service**

116 27<sup>th</sup> St. N.E.  
Cedar Rapids, IA 52402  
319-366-0622 www.barbs.com

**\$490.00** +Tax with 1 Year Parts and Labor Warranty

<u>Processor</u> <b>AMD Athlon64 5200+ X2 Dual Core</b>	<u>Memory</u> <b>1gig 667 MHz PC 6400</b> Upgrade to 2 GB add \$23.00
<u>Motherboard</u> <b>ASUS M2V-MX-SE</b> * 10/100 LAN * Integrated Graphics * up to 8 USB 2.0 ports * 2 memory slots * Integrated Sound * 2 PCI Slots * 1 PCI-E Slot	<u>Hard Drive</u> <b>80GB SATA</b> Upgrade to <b>160GB</b> add \$9.00 Add \$20.00 for <b>250gig</b>
	<u>DVD/CD</u> <b>Lite-On DVD Burner</b>

<u>Power Supply</u> <b>AGI 350 Watt Power Supply</b>	<u>Operating System</u> <b>Windows XP Home</b> add \$15.00 for Windows Vista Home Basic add \$41.00 for Windows Media Center Edition add \$75.00 for Windows XP Pro
<u>Case</u> <b>Standard case w/ front audio and USB</b>	
<u>Optional Virus Protection</u> <b>CA Internet Anti-Virus &amp; Spyware Software</b> add \$40.00	<u>Optional Bundle</u> <b>Keyboard, Optical Mouse w/ Wheel and 3 Piece Cyber Acoustics Speaker Set</b> add \$44.00
<b>Other Options</b>	
<u>Software Options</u> <b>Microsoft Office Home and Student 2007</b> Word, Excel, Power Point and OneNote \$125.00  <b>Microsoft Office Small Business 2007</b> Word, Excel, Outlook, PowerPoint, Access , Publisher with Business Contact Manager \$389.00	<u>Monitor Options</u> <b>17" LCD 700:1 \$179.00</b> <b>19" LCD 700:1 \$219.00</b> <b>20" LCD 800:1 \$239.00</b> <b>22" LCD 700:1 \$265.00</b>



# MIDWEST COMPUTER BROKERS

Midwest Computer Brokers - Windows Internet Explorer

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 <b>NETWORK</b> Hubs, Network Cards, and More!	 <b>COMPONENTS</b> Memory, Hard Drives and More!

Internet 100%

Computer Brokers

**MIDWEST**

Electronic Recovery

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