Introduction to Computer Applications

CISY 1225

Dr. Zahoor Khan

Last updated: May 2014



3



Looking at Computers: Understanding the Parts

Copyright © 2012 Pearson Education, Inc. Publishing as Prentice Hall

















How Much Is a Byte?

Name	Abbreviation	Number of Bytes	Relative Size
Byte	В	1 byte	Can hold one character of data.
Kilobyte	КВ	1,024 bytes (2 ¹⁰ bytes)	Can hold 1,024 characters or about half of a double-spaced typewritten page.
Megabyte	MB	1,048,576 bytes (2 ²⁰ bytes)	Can hold approximately 768 pages of typed text.
Gigabyte	GB	1,073,741,824 bytes (2 ³⁰ bytes)	Approximately 786,432 pages of text; 500 sheets of paper is approximately 2 inches, so this represents a stack of paper 262 feet high.
Terabyte	ТВ	1,099,511,627,776 bytes (2 ⁴⁰ bytes)	This represents a stack of typewritten pages almost 51 miles high.
Petabyte	РВ	1,125,899,906,842,62 bytes (2 ⁵⁰ bytes)	The stack of pages is now 52,000 miles high, or approximately one-fourth the distance from the Earth to the moon.
Exabyte	EB	1,152,921,504,606,846,976 bytes (2 ⁶⁰ bytes)	The stack of pages is now 52 million miles high, or just about twice the distance between the Earth and Venus.
Zettabyte	ZB	1,180,591,620,717,411,303,424 bytes (2 ⁷⁰ bytes)	The stack of pages is now 52 billion miles high, some 20 times the distance between the Earth and Pluto.
right © 2012 Pea	arson Education, Inc. F	Publishing as Prentice Hall	











Types of Computers

Computers for Organizations

- Servers are not designed for individuals. They make programs available for network users
- Minicomputers handle the computing for small corporations



Mainframes handle gigantic processing jobs for large corporations or agencies

Supercomputers are ultra-fast and handle huge amounts of scientific data

Copyright © 2011 Pearson Education, Inc. Publishing as Prentice Hall























33



- · Visual impairments
 - Voice recognition
 - Keyboards with large keys
 - Touch-screen keyboards
- Motor control issues
 - Special trackballs
 - Head-mounted devices

Copyright © 2012 Pearson Education, Inc. Publishing as Prentice Hall











Video – CRT Monitor





Monitor Types

- Liquid crystal display (LCD)
 - Flat panel
 - Light and energy efficient
 - Light-emitting diode (LED)
 - More energy efficient than LCD monitors
 - Better color accuracy and thinner panels
- Organic light-emitting diode (OLED)
 - Use organic compounds that produce light

<text>

 $\operatorname{Copyright} @$ 2013 Pearson Education, Inc. Publishing as Prentice Hall

41





Copyright $\ensuremath{\textcircled{O}}$ 2013 Pearson Education, Inc. Publishing as Prentice Hall

44





































 $\operatorname{Copyright} @$ 2013 Pearson Education, Inc. Publishing as Prentice Hall

62





















- Connectivity port
 - Give access to networks and the Internet
 - Ethernet port
 - Modem port
- Video ports
 - Connect monitors and multimedia devices
- Audio ports
 - Connect headphones, microphones, speakers

 $\label{eq:copyright} \verb"Copyright" @ 2013 \ Pearson \ Education, \ Inc. \ Publishing \ as \ Prentice \ Hall$





	0
	🖉 🗢 🖗 « Power Options 🔸 System Settings 💿 🗸 🍫 🖉 Search Control Panel 🖉
-	Define nower buttons and turn on password protection
	Choose the power settings that you want for your computer. The changes you make to the settings on this
	page apply to all of your power plans.
	Power and sleep button settings
	When I press the power button: Shut down ▼
	When I press the sleep button:
	Password protection on wakeup
	Require a password (recommended)
	When your computer wakes from sleep, no one can access your data without entering the correct password to unlock the computer. <u>Create or change your user account password</u>
	On't require a password
	When your computer wakes from sleep, anyone can access your data because the computer isn't locked.
	· # 2 · · · · · · · · · · · · · · · · ·

























