

# [Intro to computers: chapters 3 and 4](https://assignbuster.com/intro-to-computers-chapters-3-and-4-2/)

Computer NetworkCollection of computers and other hardware devices that are connected; so that users can share hardware, software, and dataWired vs Wireless-Wired; computers and other devices on the network are physically connected via cabling (more secure)   
-Wireless; used to send data through the air between devices (laptops, tablets, and hardware)Hardware vs Software-Hardware; the collection of physical elements that constitutes a computer system (larger and more complex networks)   
-Software; Computer software consists of computer programs, libraries and related non-executable data. Computer software is intangible (simple networks)Wireless Network Card or Wireless AdapterUse for hardware, laptops, and tabletsNetwork Interface Card (NIC)Use for Desktop ComputersHub or SwitchProvides a needed point for cables in a networkRouterConnects two or more networks and directs or routes the flow of information along the networksPeer to PeerA central server is not used; best for 10 computers or less. Maintains own files and software, but shares resourcesClient ServerOne central computer " The Server", which controls access to network resources, each device is called a " client" the client makes request to the server for servicesLAN (Local Area Network)   
Connections within: You'll need a network card, switch, hub, or a router   
Connections outside: You'll need a modem (Cable, ADSL, or Standing)A network that covers a relatively small geographical area, such as a home, an office building, or a school. Allows users to exchange files and emails, share printers, and other hardware, and access the internet   
-Hardware; wireless router access point, broadband modem   
-Software; Installed within program alreadyWAN ( Wide Area Network)A network that covers a large geographical area, typically consists of two or more LAN's. Large companies use WAN to connect their businesses across the globe. The Internet is the largest WANInternetCollection of person, local, regional, national, international, and multinational computer networks which are all linked together. Largest network in the world. Carry's voice, data, video, and graphics. Network Service Providers (NSP)Backbone Link and routersInternet Service Provider (ISP)Company that offers internet access to individuals, businesses, and smaller ISP's. Connecting to the internetPAN (Personal Area Network)A network of personal devices for one individual; that is designed go enable those devices to communicate and share data; transmit data wirelessly ex. bluetooth   
Range of 30 feet 9metersConnection OptionsCable, DSL, Satellite, Fiber OpticsNetwork Standards-Ethernet (10 milliom bits/sec) wired   
-WiFi (Wireless)   
-Bluetooth Headset (Wireless)   
-3G USB (Wireless)   
-4G LTE(Wireless)   
-WiMax Tower (Wireless)   
-Fiber Optic (Wired) ONINTRO TO COMPUTERS: CHAPTERS 3 AND 4 SPECIFICALLY FOR YOUFOR ONLY$13. 90/PAGEOrder NowTags:

* Bluetooth