BTT101 - Hardware

| Name | Definition | Picture |
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| Mouse | A hand controlled electrical device that helps us interact with computers.   * Used by dragging it across a flat surface * Input device * Peripheral device   <https://www.britannica.com/technology/mouse-computer-device> | <https://en.wikipedia.org/wiki/Computer_mouse> |
| Projector | A device that is used for showing whatever is on your computer screen on a separate flat surface   * Uses light rays to project * Output device * Peripheral device   <https://dictionary.cambridge.org/dictionary/english/projector> | <https://www.amazon.ca/FHD1080P-Projector-Supported-Bluetooth-Compatible/dp/B0BQR68PJ1?th=1> |
| Speakers | Devices that receive audio from the computer’s sound card and produce audio output through sound waves.   * Have an internal amplifier so that you can easily raise/lower the volume * Output device * Peripheral device   <https://pc.net/glossary/speakers> | <https://coquitlamavu.ca/product/audioengine-a5wireless-speakers-with-bluetooth-stain-black-a5btblk/> |
| Scanner | An electronic device that is able to capture pictures from physical objects and make them digital   * Input device * Peripheral device   <https://www.techopedia.com/definition/30441/scanner> | <https://epson.ca/For-Home/Scanners/h/h2> |
| Motherboard | A printed circuit board that connects all the different internal hardware parts of the computer   * Hardware * Processing device   <https://www.britannica.com/technology/motherboard> | <https://en.wikipedia.org/wiki/Motherboard> |
| Webcam | An electronic device that captures live pictures and videos and allows them to be broadcasted on the computer screen   * Output device   <https://www.techopedia.com/definition/5333/webcam> | <https://www.logitech.com/en-ca/products/webcams/c505e-business-webcam.html> |
| Video/graphics card | A circuit inside the motherboard that processes graphic information to send to the computer screen to creating pictures and videos   * Hardware * Processing device * Internal   <https://www.britannica.com/technology/video-card> | <https://www.amazon.ca/Graphics-Support-Gaming-DisplayPort-Cooling/dp/B0B917QWD9> |
| CPU (central processing unit) | An important part of the computer system that consists of multiple processing parts such as the main memory and control unit   * Hardware * Processing device * Internal   <https://www.britannica.com/technology/central-processing-unit> | <https://www.businessinsider.com/guides/tech/what-is-a-cpu> |
| Touchscreen | A display device that can be used and controlled by touching and dragging on the screen   * Type of computer   <https://www.merriam-webster.com/dictionary/touch%20screen> | <https://addcanada.ca/products/ah-17-17-touch-screen-monitor> |
| RAM (random access memory) | A chip that acts as the computer's main memory where data can be accessed in any order whenever it is needed   * Hardware * Internal   <https://www.britannica.com/technology/RAM-computing> | <https://en.wikipedia.org/wiki/Random-access_memory> |
| ROM (read only memory) | A type of storage chip in our computer that permanently stores data on the computer that lasts even if the computer is turned off. It usually has the most important softwares stored on it.   * Hardware * Internal   <https://www.techopedia.com/definition/2804/read-only-memory-rom> | <https://www.javatpoint.com/rom> |
| Network card | A small circuit board that can be installed into a computer so that it can connect to a network   * Hardware * Internal * Input device   <https://csrc.nist.gov/glossary/term/network_interface_card> | <https://www.amazon.ca/Gigabit-Ethernet-Converged-Compatible-EXPI9301CT/dp/B07FZYZVX2> |
| Keyboard | An electronic device that allows us to interact with a computer and input text   * Input device * Peripheral device * Hardware   <https://www.techopedia.com/definition/2584/keyboard> | <https://www.amazon.ca/Computer-Keyboard-Elderly-Visually-Impaired/dp/B0B81PWJZ3> |
| Monitor | An electronic device displays the information that is being inputted and processed on a computer on a screen   * Hardware * Output device   <https://www.vedantu.com/computer-science/monitor> | <https://www.zoro.com/philips-monitors-27-lcd-ips-powersensor-monitr-275b1/i/G1734263/> |
| USB flash drive | A small, portable, electronic device that stores data in a flash memory circuit   * Input and output device because you can use it to store information or transfer information onto your computer * Peripheral device * Hardware   <https://www.britannica.com/technology/USB-flash-drive> | <https://www.apple.com/ca/shop/product/HNTZ2ZM/A/sandisk-256gb-ixpand-flash-drive-go> |
| Printer | A device that takes text and image output from a computer and transfers it onto paper. It can be connected to the computer (Peripheral device) or not connected (wireless)   * Hardware * Output device   <https://www.britannica.com/technology/computer-printer> | <https://www.forbes.com/sites/davidhochman/2018/01/25/a-new-breed-of-desktop-printers-lets-users-go-two-years-without-an-ink-refill/?sh=3f0cc8e145ae> |
| Headphones | A device that can be plugged into almost any kind of computer to transfer the sound so that you can privately listen to something without anybody else hearing   * Hardware * Output device * Peripheral device   <https://www.techopedia.com/definition/7551/headphones#:~:text=What%20Does%20Headphones%20Mean%3F,sort%20of%20installation%20before%20use>. | <https://www.beatsbydre.com/ca/headphones/studio-pro-wireless/MQTR3/sandstone> |
| Hard drive (internal) | An important storage device inside a computer that stores softwares, operating systems and files.   * Hardware * Internal * Storage device   <https://www.techopedia.com/definition/5296/internal-hard-drive#:~:text=An%20internal%20hard%20drive%20is,to%20provide%20greater%20data%20storage>. | <https://www.amazon.ca/Generic-Inch-Internal-Drive-500GB/dp/B00E9E0XM8> |
| Hard drive (external) | An external version of the internal hard drive that has a case that surrounds and protects the hard drive since it is attached to the outside of the computer   * Used to back up things * Portable hardware * Peripheral device * Both input and output devices because you can put data onto it or it can transfer data into your computer   <https://www.techopedia.com/definition/2940/external-hard-drive> | <https://www.sweetwater.com/sweetcare/articles/getting-started-with-external-hard-drives/> |
| Microphone | A device that converts sound waves into electrical signals so that the volume can be easily raised or lowered.   * Hardware * Output device * Peripheral device   <https://techterms.com/definition/microphone> | <https://www.bax-shop.co.uk/blog/microphones/so-can-you-connect-a-microphone-to-your-computer/> |