

Primary PC Connections

- The system unit contains the motherboard, CPU, RAM, and hard drives; everything other device is a peripheral
- Monitors provide visual output
- Webcams provide visual input
- Keyboards, mice, and game controllers provide input
- Speakers and headsets make audio output, Printers create paper output

Touring the PC

Input/Output (I/O) Shield

Connection = Connector = Jack = Port (Interchangeably Used)



Mini-DIN (PS/2) - Keyboard (purple) & Mouse (green)

These are old, but starting to make a comeback

because gamers like the quicker response time they provide

USB (Universal Serial Bus) - Mouse; Keyboard

USB Type C

Display Port - Video (Notice the Notch)



HDMI (High-Definition Multimedia Interface) - Used for Large TV's



Wi-Fi Antenna Connectors

Ethernet Cable Connection - Use RJ-45 to connect to a Wired Network

Audio Connectors - Square Connector is a Fiber Optic (advanced audio systems)



Mini-DIN (PS/2)

USB (Universal Serial Bus) - Mouse; Keyboard

VGA (Video Graphics Array) – Monitors

Notice the 3 Rows of 5 Pins that can be inserted

DVI (Digital Visual Interface) - Video Connector (old)

USB Type C

HDMI (High-Definition Multimedia Interface)

Ethernet (RJ-45) Cable Connection

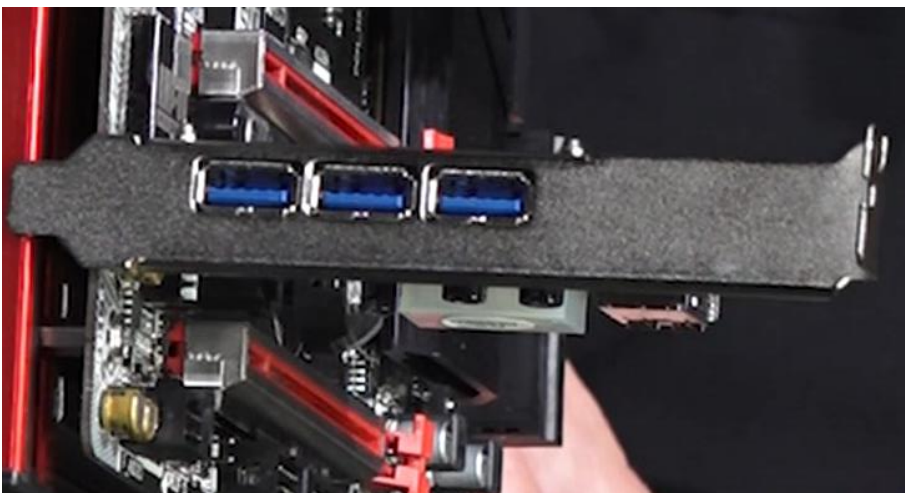
Audio Connectors



VGA (Video Graphics Array)

Analog Style Connector (S-Video Connector)

DVI (Digital Visual Interface)



USB Root Hub plugged into one of our Expansion Slots

What is a Computer?

- **A computer gets work or play done**
- **A computer will have a CPU, RAM, mass storage, and an operating system**
- **Laptops, mobile devices, and Internet of Things (IoT) devices are all computers**

Hard Drive = SSD (Static State Drive) (old vs new) - Store Data when you're not using it

CPU talks to the Mass Storage (hard drive) and says "go get that program".

The Mass Storage takes a copy of that program and puts it on the RAM.

When a Program is Running, it is Stored in RAM.

CPU tells the RAM to save the file on the Mass Storage.

Mass Storage - Stores Programs not in use & our Data!