**LEGACY CABLE TYPES NOTES:**

Whenever we talk about cable types, be sure to remember the cables that outputs video as well like HDMI, DisplayPort, VGA Cables, DVI cables, etc.

**HDMI:** Transmits high-definition video and audio both in a single cable. And also provides remote control and digital content protection. Standard-TypeA, Micro-TypeB, and Mini-TypeC. Speeds are like 18Gbps, to 48Gbps.

**DisplayPort:** Supports both audio and video as well. Standard DisplayPort and Mini DisplayPort are available. Support **Daisy-Chaining.** If we compare bandwidth between DisplayPort and HDMI, then HDMI can maximum support 8K at **60Hz** but DisplayPort can support 10K at 60Hz and 1440p at 240Hz. So it is best suited for displays where we need the refresh rate 144Hz or higher than that.

**Digital Visual Interface (DVI):** While HDMI and DisplayPort can handle digital outputs only, DVI can handle both **analog** and **digital** outputs. It is outdated now.

**Video Graphics Array (VGA):** Can transmit **analog** outputs only. Can support **upto HD (1920 x 1080)** only. It is **15**-**pin** connector shaped like **D**.

**Small Computer System Interface (SCSI):** Standard for connecting **computers** to **peripheral devices**. Allows single host adapter to control upto **17** devices including host adapter. Uses parallel bus interface. Highly used in high speed workstations, servers and mainframes. But not used in personal desktops.

**Serial Bus Interface:** Can transfer 1bit at a time.

**Parallel Bus Interface:** Can transfer 8 bits at a time.

**Serial Attached SCSI (SAS):** Parallel SCSI is replaced by SAS. It uses Serial Communication. It is now leading technology in servers and workstations.

**Integrated Drive Electronics Interface (IDE): PATA** technology used to connect storage devices like HDDs and CD/DVD with desktop PCs. Per channel we can connect **two devices.** Now replaced by SATA cables. It used 16 bit parallel transfer.

**Serial Ports:** Can transmit 1 bit at a time. Speed is 115Kbps which is much slower than USBs. Uses start, stop and parity bits for verifying data transmissions. In our old computer, keyboard connecters are round right. It also connects to Serial Ports. Green serial port for mouse and purple for keyboards.