

USB { Universal serial Bus }

Host \Rightarrow The organizer or master of all traffic on the bus.

Device / Peripheral \Rightarrow A slave device that connects to the host.

OTG \Rightarrow On the go, indicates limited Host functionality.

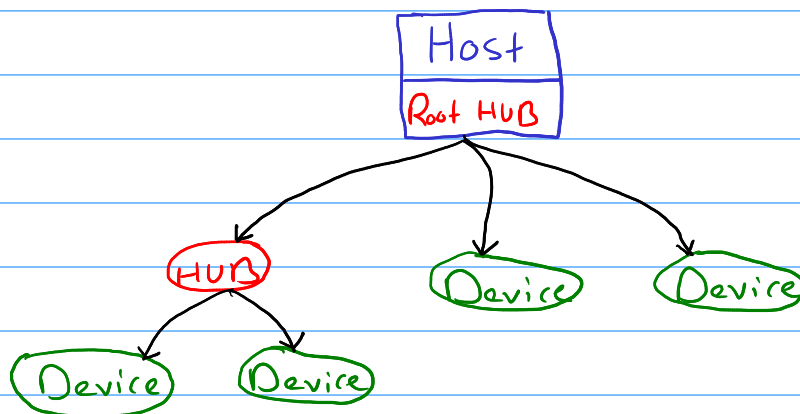
Hub \Rightarrow Expands the initial host device's number of available ports and acts as a repeater.

Frame \Rightarrow Time-based grouping with fixed timing.

Packet \Rightarrow A bundle of data organized into a group for transmission.

Enumeration \Rightarrow Handshaking process between device and host.

Description \Rightarrow Firmware structure containing USB information.



* Speed

① Low Speed (USB 1.0) { 1.5 MBPS }

② Full Speed (USB 1.1) { 12 MBPS }

③ High Speed (USB 2.0) { 480 MBPS }

{ The Speed determines all the bus timings }

★ Transfer types

- ① Control
- ② Bulk
- ③ Interrupt
- ④ Isochronous