Topic: Universal Serial Bus (USB)

Universal Serial Bus (USB) Interface

The USB interface is a widely used standard for connecting devices and transmitting data. It has several benefits and drawbacks, including:

Benefits:

- Easy to use: USB connections are plug-and-play, making them user-friendly.
- Versatile: USB supports a wide range of devices, including storage devices, printers, and cameras.
- Fast data transfer: USB 3.x provides high-speed data transmission rates.

Drawbacks:

- Limited cable length: USB cables have a maximum length, which can limit their usage in some scenarios.
- Power limitations: USB can only supply a limited amount of power to connected devices, which might not be sufficient for some high-power devices.