

Essential Peripherals

Chapter 10



Episode: **Understanding USB**

Objective(s):

Core 1: 1.3 Given a scenario, set up and configure accessories and ports of mobile devices.

Core 2: 1.3 Given a scenario, use features and tools of the Microsoft Windows 10 operating system (OS).



Episode Description

A+

Why are there USB Type-A and USB Type-B connectors? Why do modern systems still provide older USB connectors when the latest USB perfectly supports older devices? It takes a good understanding of the USB standards to see how and why.

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Key Terms

A+

- 0:36 - USB controller
- 2:28 - Type-B connector
- 4:45 - Objective term - USB 3.0 micro-B
- 5:09 - USB 3.1 Type-B
- 6:15 - Yay USB-C!

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Quick Review

- All USB devices connect to built-in USB controllers, which are in charge of all connected USB devices
- USB Type-A is generally a downstream connection; USB Type-B is generally an upstream connection
- USB Type-C automatically configures the upstream and downstream connections



Episode: **Webcams and Videoconferencing**

Objective(s):

- Core 1: 1.2 Compare and contrast the display components of mobile devices.
- Core 1: 1.3 Given a scenario, set up and configure accessories and ports of mobile devices.
- Core 2: 4.9 Given a scenario, use remote access technologies.



Episode Description

A+

Video conferencing software has changed the way we work, especially with more and more companies moving to remote and hybrid workplaces. This episode gives a quick demonstration of Microsoft Teams and its screensharing function.

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Key Terms

A+

- 0:12 - Objective term - Videoconferencing software

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Quick Review

- Webcams enable us to meet remotely using videoconferencing software
- Two common videoconferencing tools are Zoom and Microsoft Teams
- Many videoconferencing software options also allow screensharing

