

Mobile Devices

Hi there, it's me again. You might remember me from the previous module, and no worries if not, what's important is to make sure you've got the latest info on mobile devices. You'll see me again throughout the rest of this module. Mobile devices are computers too, they have CPUs, RAM, storage, power systems and peripherals. What's special about them? They're portable and usually powered by batteries. Some are tablets or smartphones. Other mobile devices are optimized to perform a specific set of tasks, like fitness trackers or smartwatches. Remember the systems that we showed you earlier, the components can be taken out and held in place. The smaller the device, the more integrated the components are. Very small mobile devices use a system on a chip or SOC. A system on a chip is a single chip. Not only is the SOC small, they use less battery power than if those components were separate peripherals. Smartphones connect to Bluetooth headphones, for example. Mobile devices can also be a peripheral to your smartphone. That same fitness tracker might use a heart rate monitor as a peripheral. It's proprietary ports and connectors. You might need to have a specific adapter or connector for charging a device or the physical shape or the intended use of the mobile device makes a standard connection like USB, a bad choice. If you had a micro-USB for, that port will be damaged if exposed to water. So instead, it's designed with a custom charging port. Some of the standard power data and display connector types you'll find used in mobile devices. This is a USB-C, micro-USB, a micro HDMI, and the mini HDMI, and this is a mini display port. Because mobile devices are general purpose operating systems and application software that specifically designed to maximize their performance. We'll dive into this later. As an IT support specialist, you might be responsible for helping end-users with their mobile devices. This might include helping them set up their devices. Don't worry, we're going to break all this down for you. One super important thing, mobile devices can come from work or personal. We call this bring your own device or BYOD. You should be careful to use their own personal devices for work. To know how to handle these devices is always best to refer to your organization's policy.

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