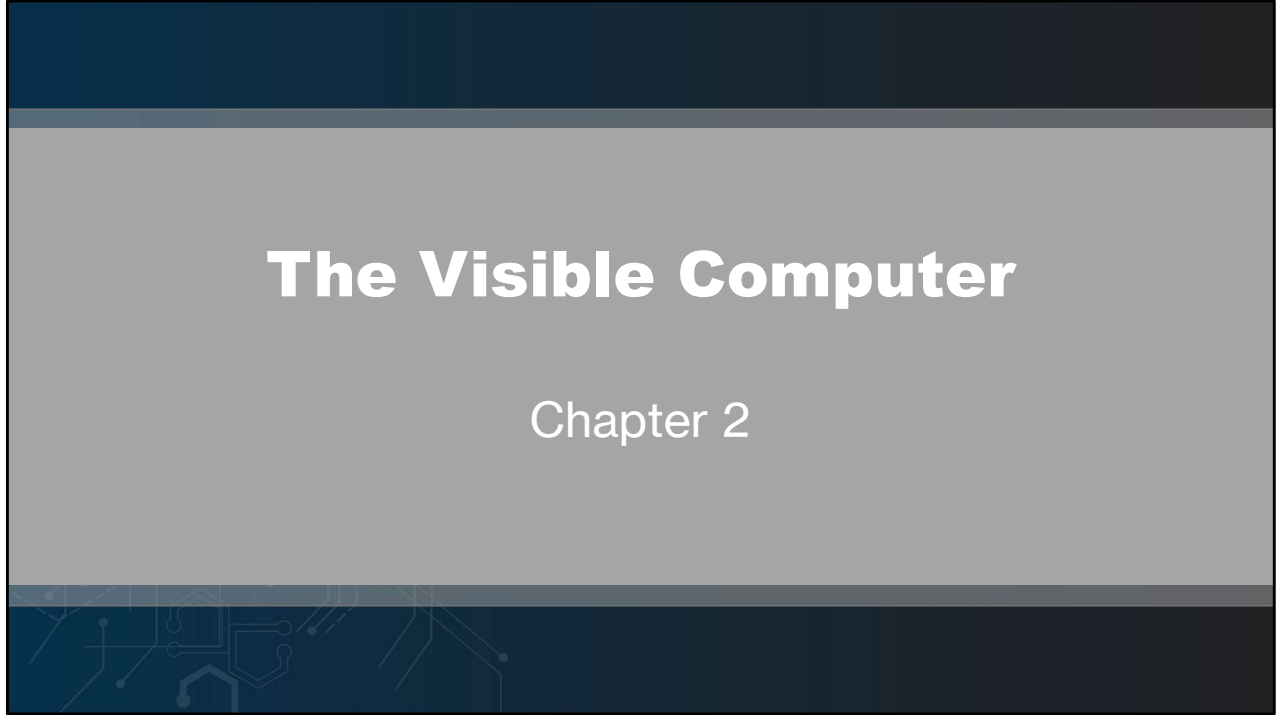


# The Visible Computer

## Chapter 2



## Episode: **Primary PC Components**

Objective(s): Core 1: 3.0 Hardware



## Episode Description

A+

Mike takes you on a tour of the primary PC components including the computer case, monitor, and various peripherals including the keyboard, mouse, speakers, and more.

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# Key Terms

A+

- 0:34 - System unit
- 1:30 - Monitor
- 1:39 - Keyboard and mouse
- 1:55 - Printer
- 2:05 - Speakers
- 2:19 - Game controller
- 2:34 - Webcam
- 2:50 - External hard drive
- 3:11 - Headset
- 3:31 - Microphone is for input
- 3:48 - Microphone

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# Quick Review

- The system unit contains the motherboard, CPU, RAM, and hard drives; every other device is a peripheral
- Monitors provide visual output and web cameras provide visual input
- Keyboards, mice, and game controllers provide input
- Printers create paper output
- Speakers and headsets make audio output



## Episode: **Touring a PC**

Objective(s): Core 1: 3.1 Explain basic cable types and their connectors, features, and purposes.



## Episode Description

A+

Learn the basic parts of a PC in this episode.

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## Key Terms

A+

- 0:35 - Open case (aka open-air frame) and closed case (traditional PC build)
- 1:28 - Graphics processing unit (GPU)
- 1:37 - Objective term - Random access memory (RAM)
- 1:45 - Objective term - Central processing unit (CPU)
- 3:00 - Mini-DIN (PS/2)
- 3:09 - Objective term - Universal Serial Bus (USB)
- 3:09 - Objective term - USB Type-C

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## Key Terms

A+

- 3:17 - Objective term - High-Definition Multimedia Interface (HDMI)
- 3:29 - Wi-Fi antenna connectors
- 3:39 - Audio connectors
- 3:46 - Input/Output (I/O) shield
- 4:24 - Objective term - Video Graphics Array (VGA)
- 4:29 - Objective term - Digital Visual Interface (DVI)
- 4:55 - Objective term - RJ-45
- 5:23 - S-Video
- 5:32 - Expansion slot

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# Quick Review

- Knowing what each component and connector is will make you a more efficient technician
- Some components, such as USB and audio connectors, utilize unique coloring to enable you to quickly identify the generation



## Episode: **What Is a Computer?**

Core 1: 3.3 Given a scenario, select and install storage devices.

Objective(s): Core 1: 3.4 Given a scenario, install and configure motherboards, central processing units (CPUs), and add-on cards.



## Episode Description

A+

Computers are everywhere if you know where to look! What are the parts and the functions of a computer? What do all these devices have in common?

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## Key Terms

A+

- 1:30 - Objective term - M.2 SSD
- 1:32 - Objective term - Hard drive
- 5:09 - Raspberry Pi

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# Quick Review

- A computer gets work or play done
- A computer will have a CPU, RAM, mass storage, and an operating system
- Laptops, mobile devices, and Internet of Things (IoT) devices are all computers

