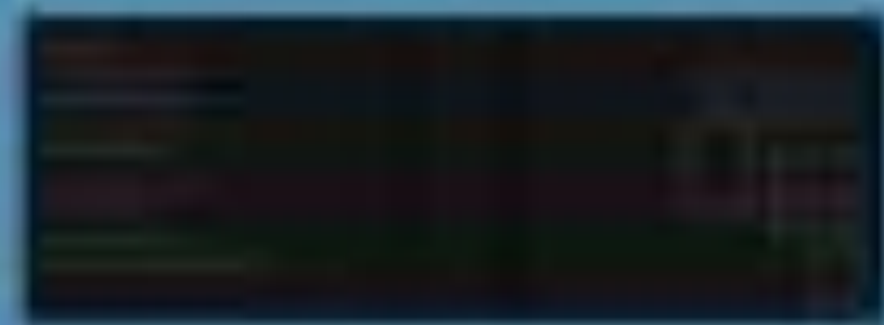


# Computer Hardware

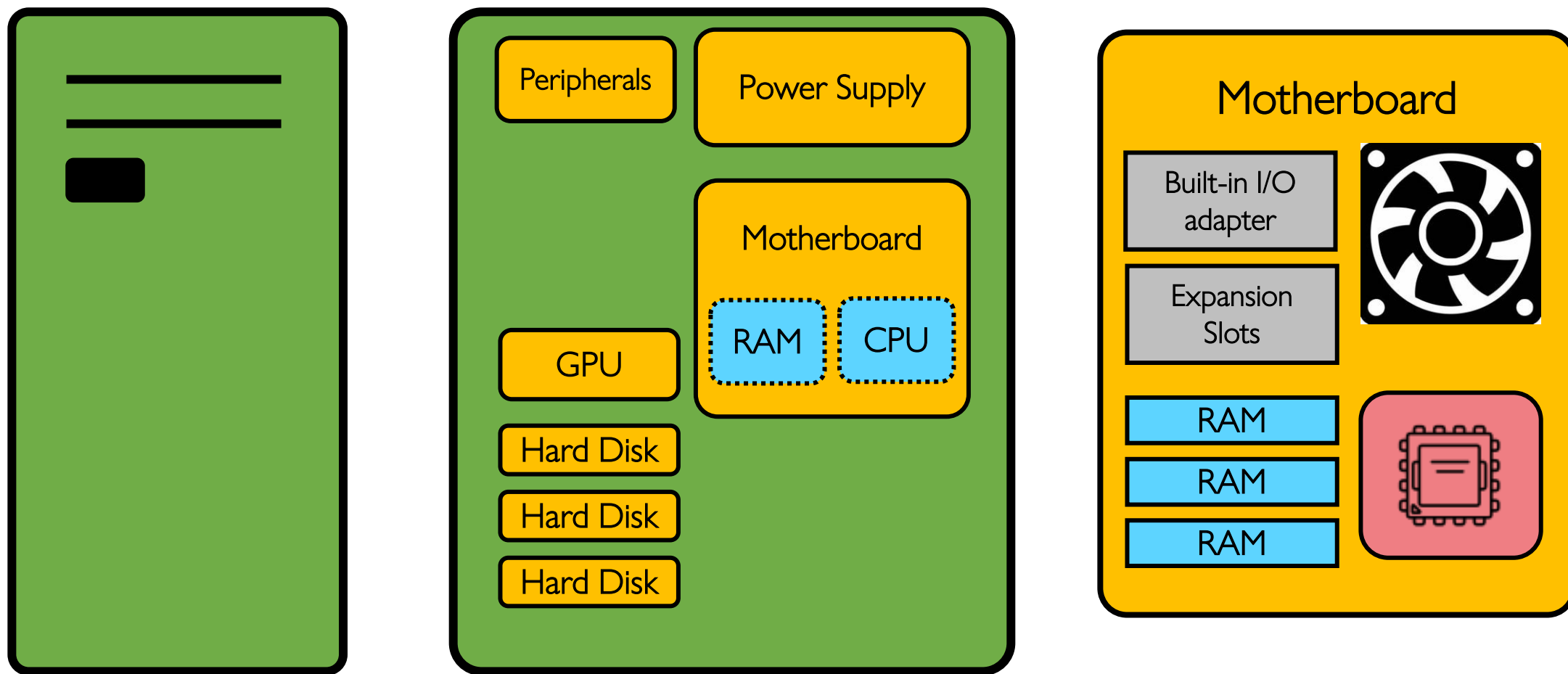


# INSIDE A COMPUTER

COMPUTER BASICS

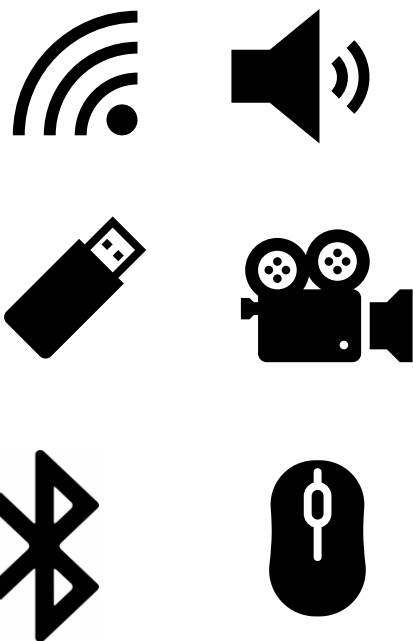


# Inside a Computer



# Inside the Motherboard

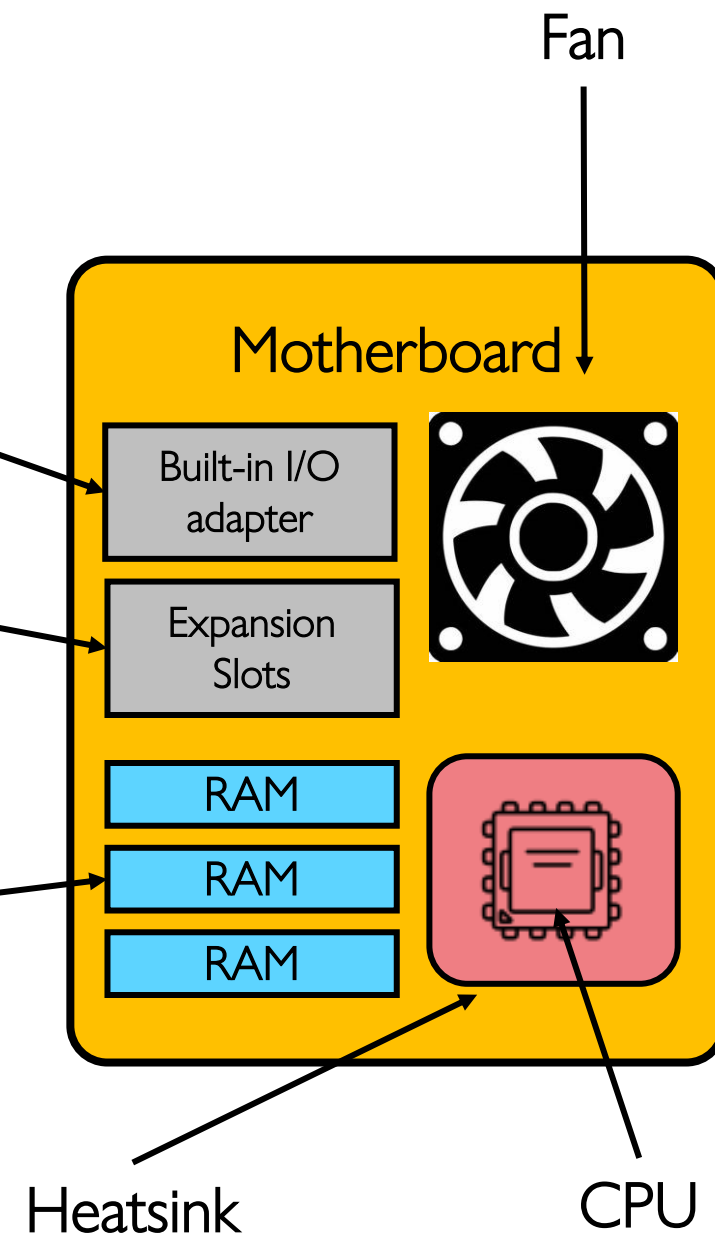
Peripherals Devices



Built in Audio, Video and Network Card

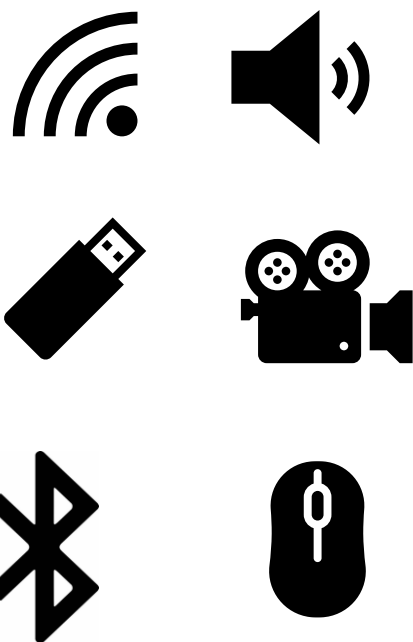
Expansion Slots to connect to peripheral devices

Slots for RAM

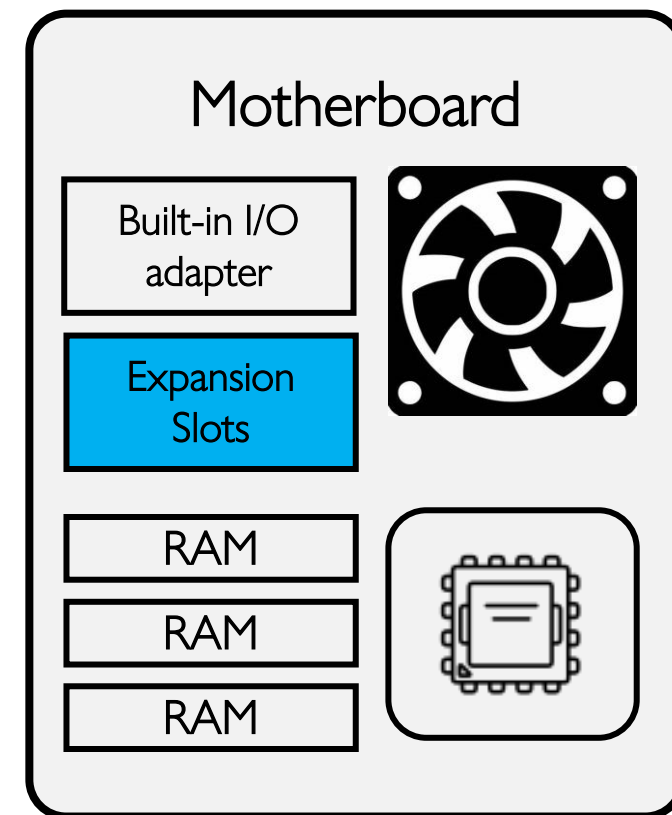
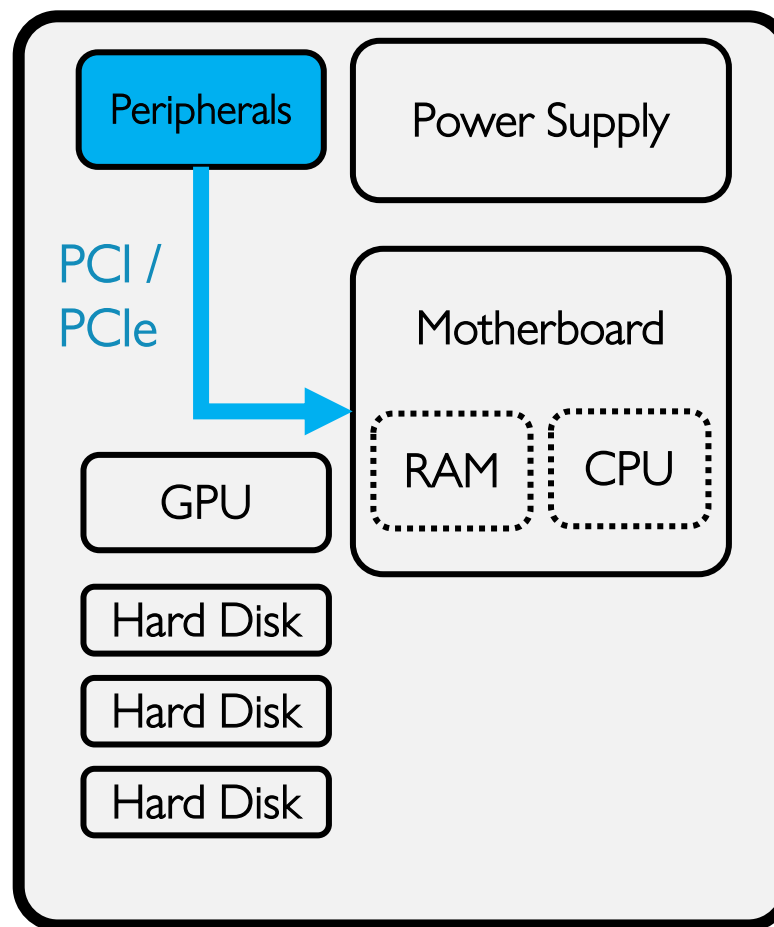


# Connecting Peripheral Devices

## Peripherals Devices



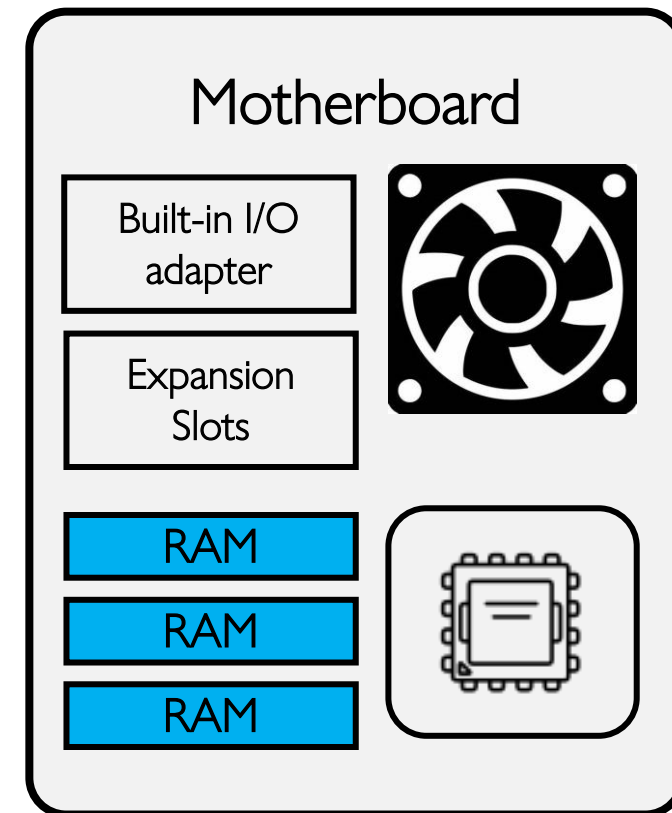
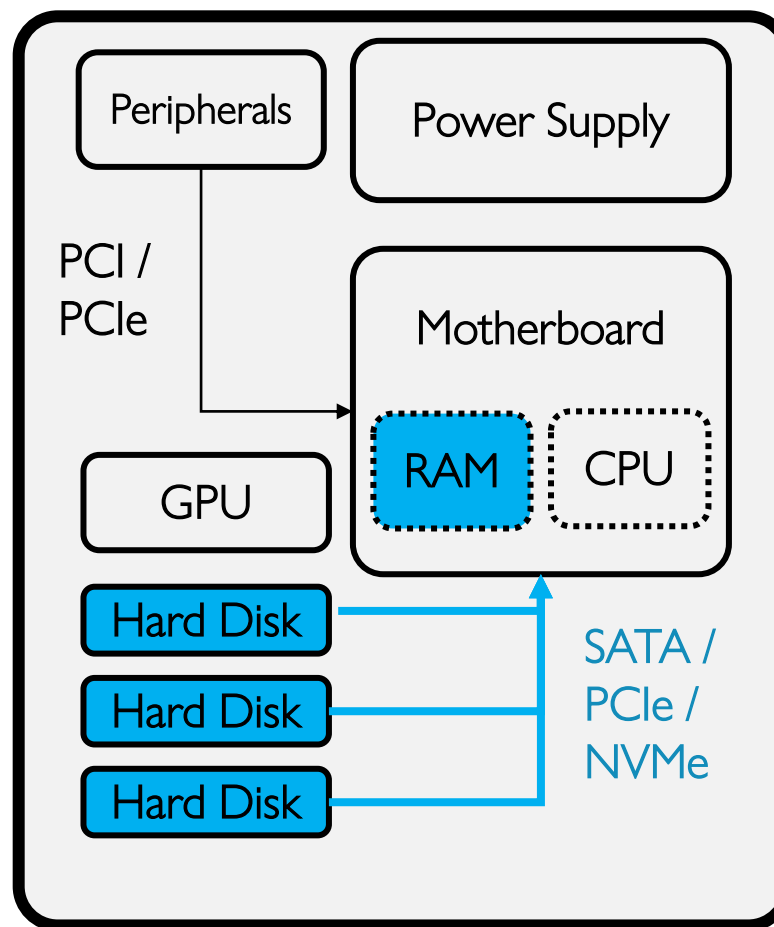
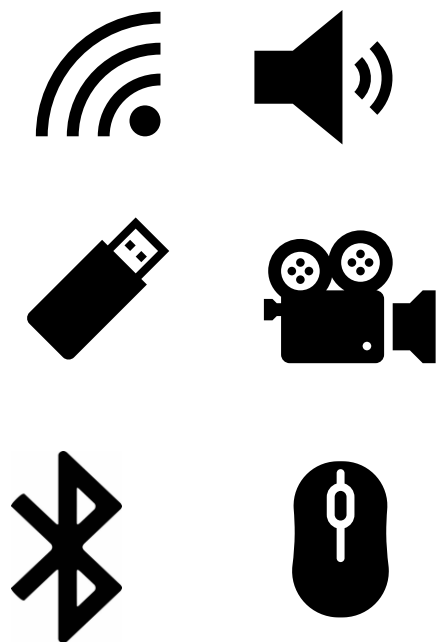
Peripheral devices can be internal or external





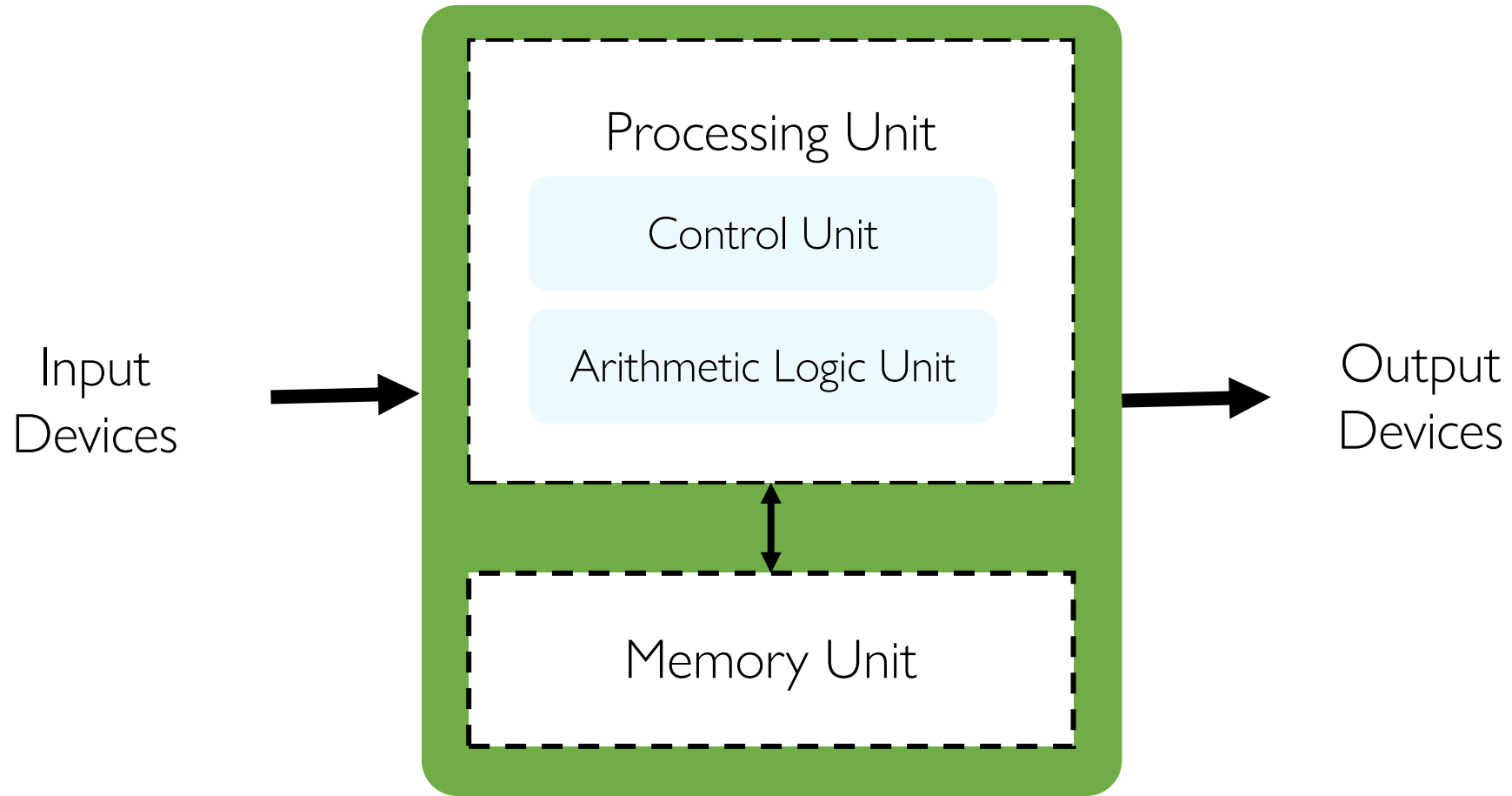
# Connecting Memory Devices

Peripherals Devices



# **Von Neumann Architecture**

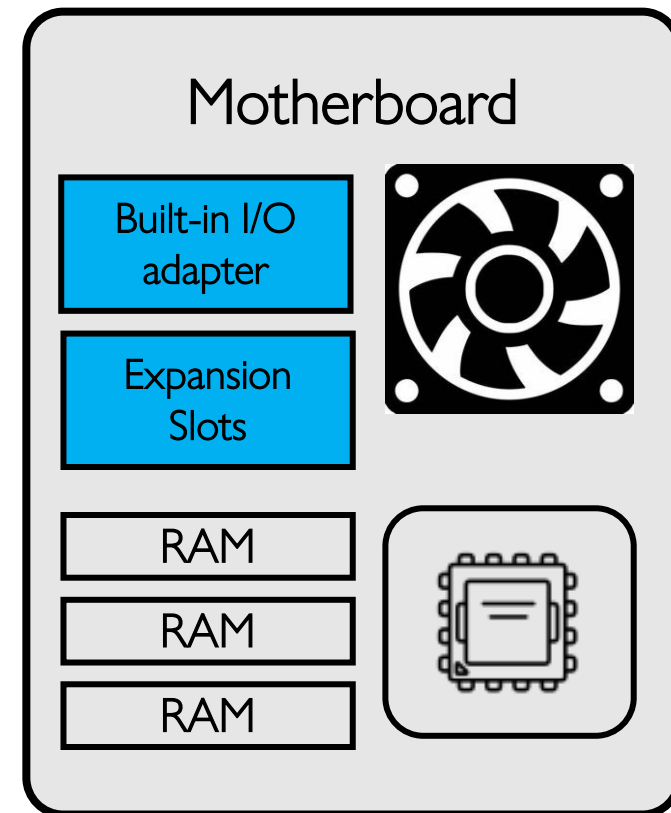
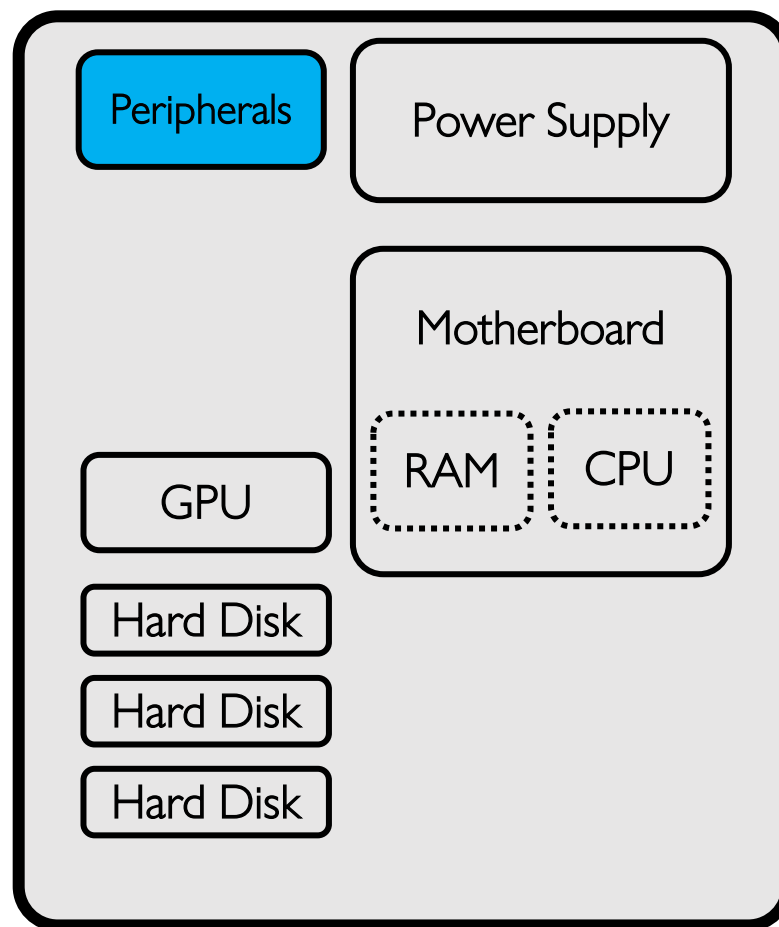
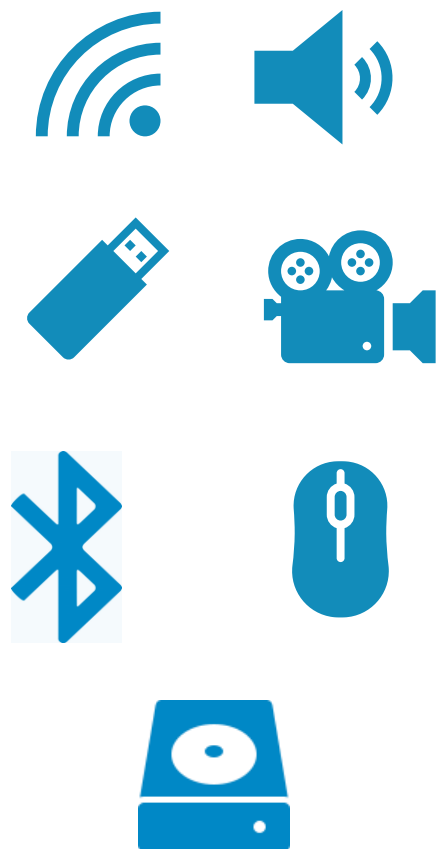
# Von Neumann Architecture





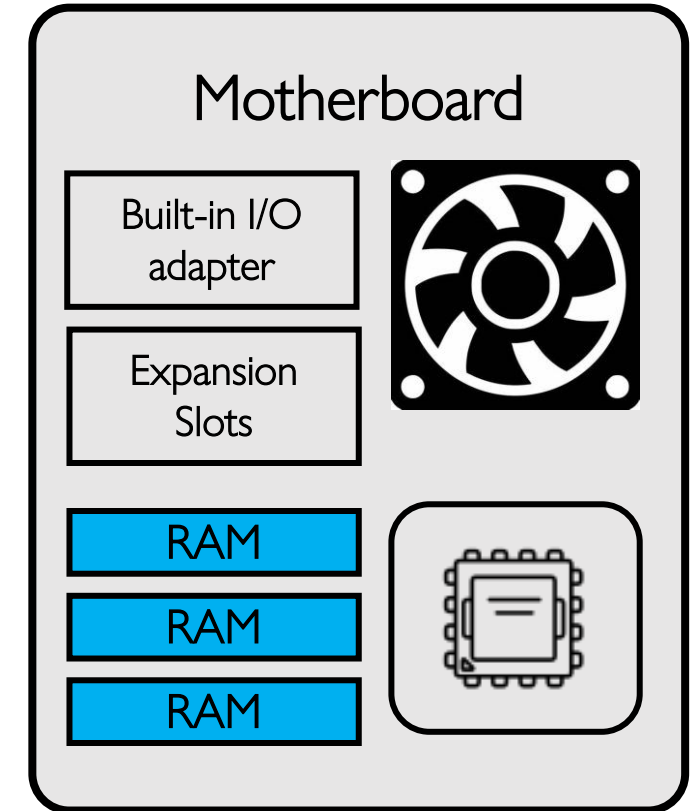
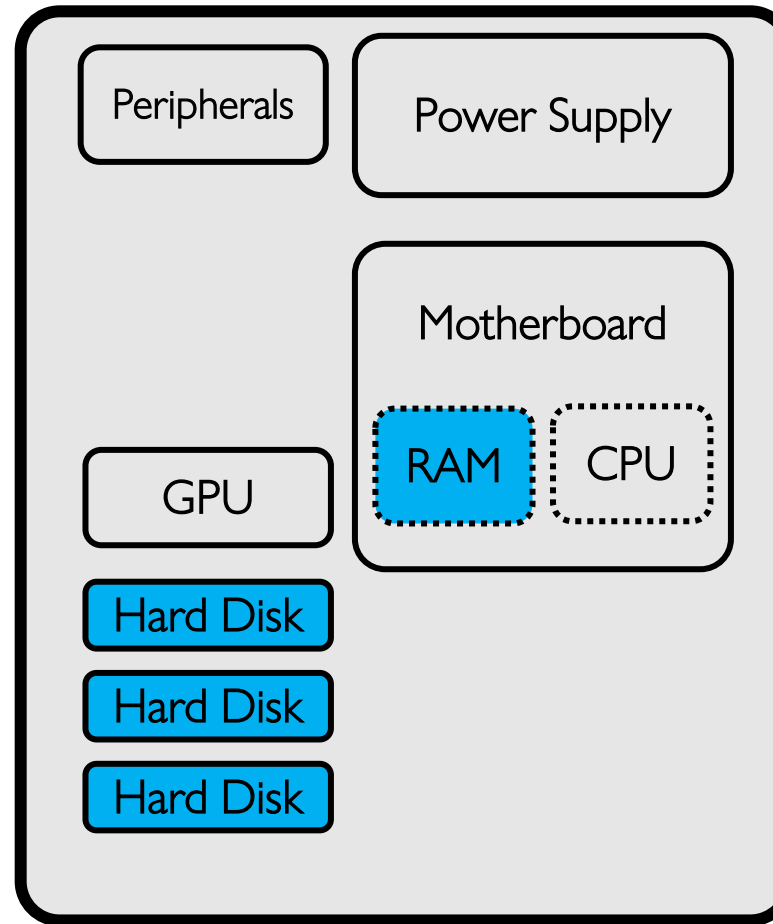
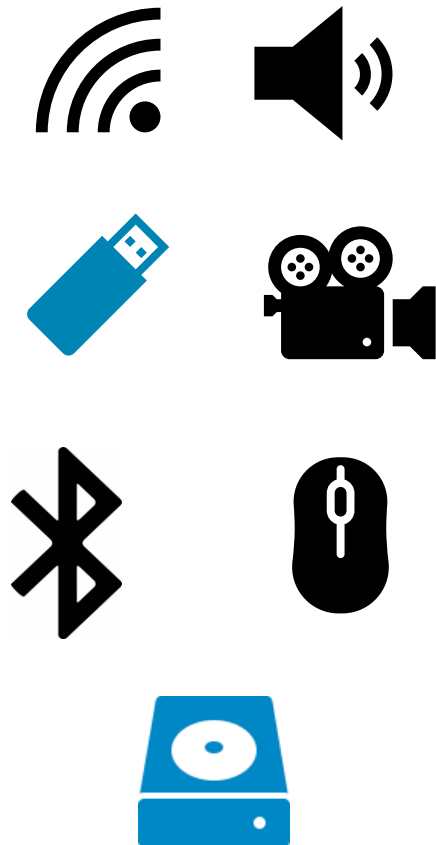
# I/O Devices

## Peripherals Devices



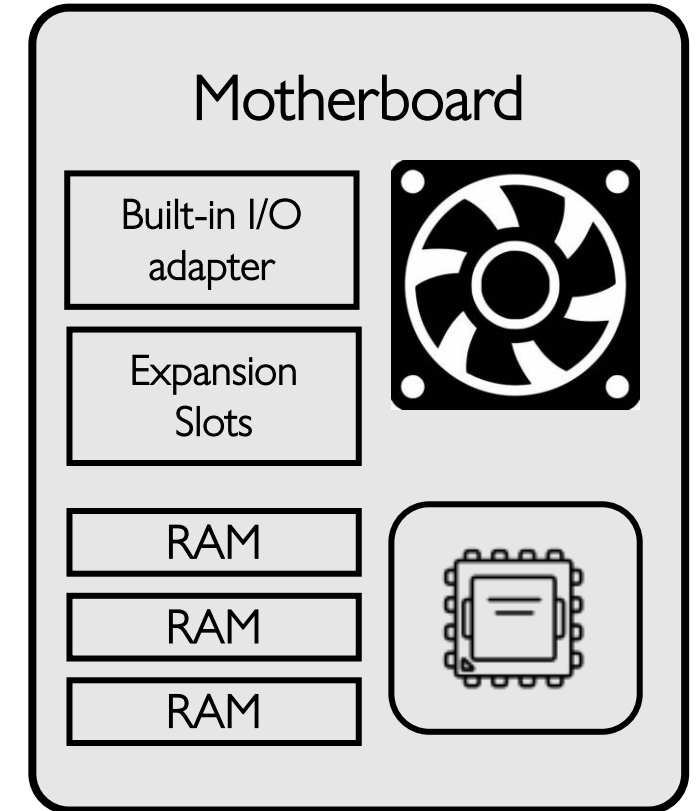
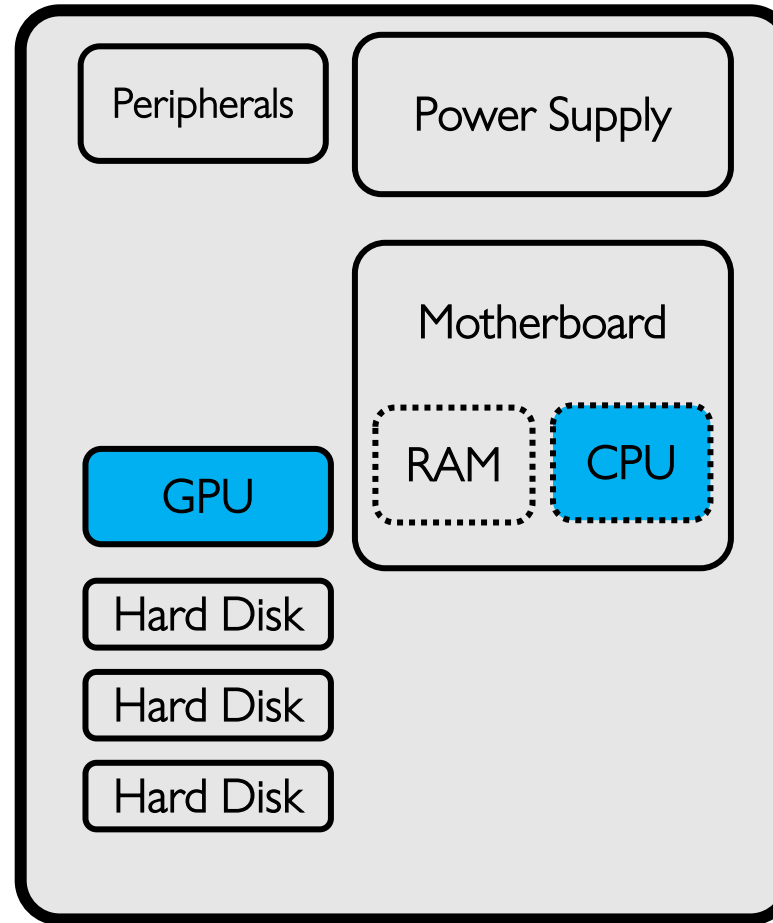
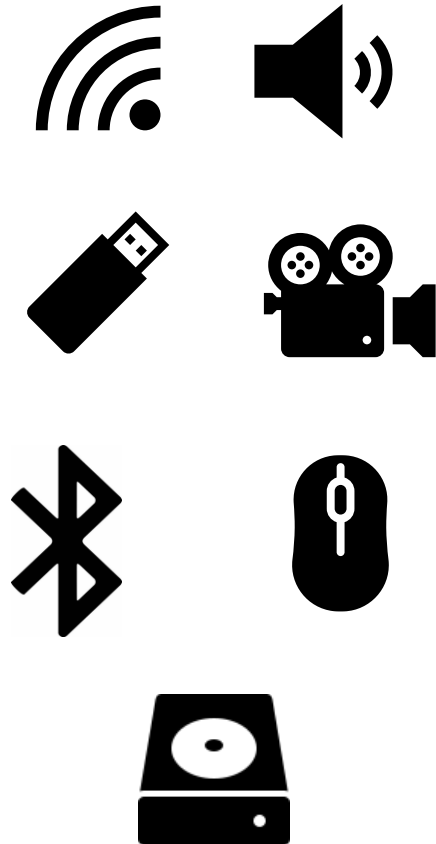
# Memory Units

## Peripherals Devices

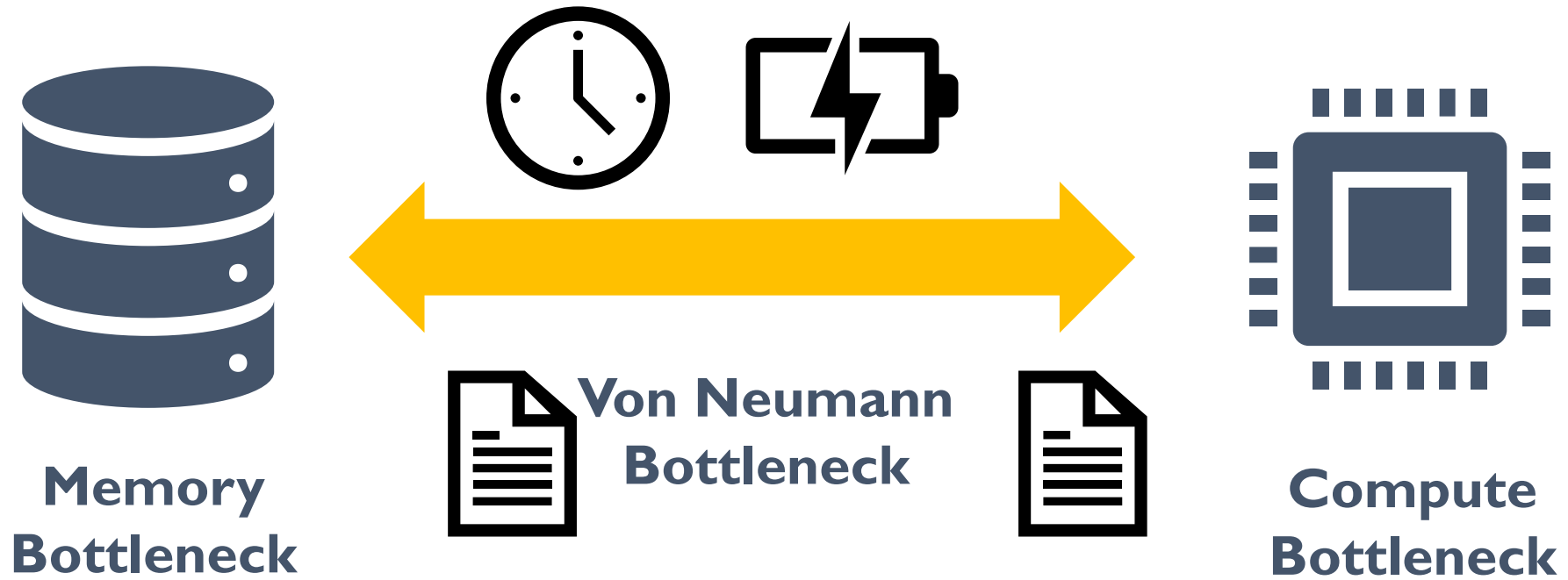


# Processing Units

## Peripherals Devices



# Bottlenecks



The background of the slide is a vibrant, 3D-rendered illustration. It features several light purple, rounded square tiles, each with a yellow Wi-Fi symbol embossed on its surface. These tiles are arranged in a grid-like pattern. Interspersed among these tiles is one bright blue square tile, also with a white Wi-Fi symbol. A network of thin, white lines with small, colorful dots (yellow, green, blue) at the intersections weaves across the entire scene, suggesting a digital or data network. The lighting is bright and even, casting soft shadows from the 3D tiles.

**I/O Devices**

Pointing Devices

Touch Screens

Keyboards

Pen Inputs

# Input Devices

Audio

Scanners

Video

Sensors

Displays

Printer

## Output Devices

Audio

Video