

## CPU

Its importance : responsible for executing instructions, performing calculations, and managing data

The CPU i want : core i7 12600k

Comes with capabilities of

- Enhanced Gaming Performance
- . AI Acceleration
- PCIe 5.0 Support

## Motherboard

Its importance : Offers various ports and connectors for external devices like USB devices, monitors, and networking equipment.

The m.b i want : z690

Comes with

- Multi-GPU support:
- Overclocking capabilities
- PCIe 5.0 support
- Support for DDR5 memory

## Gpu

Its importance : rendering images, animations, and video for the computer's screen, making them essential for tasks like gaming, video editing, and graphic design

The gpu i want : rtx 3070 ti

Comes with

- Multi-Monitor Support
- DLS(DeepLearning Super Sampling)
- Supports real-time ray tracing

## Peripherals

are external devices connected to a computer to enhance its functionality. They can be categorized into three main types.

### Input Devices

- **Keyboard:** Used for typing text and commands.
- **Mouse:** A pointing device for navigating the graphical user interface.
- **Scanner:** Converts physical documents into digital format.
- **Microphone:** Captures audio input.
- **Webcam:** Captures video input.
- **Game Controller:** Used for gaming inputs.
- **Touchpad:** A touch-sensitive pad for controlling the pointer.

### Output devices

- **Monitor:** Displays visual output from the computer.
- **Printer:** Produces physical copies of digital documents and images.
- **Speakers:** Output audio signals.
- **Projector:** Projects visual output onto a large screen.
- **Headphones:** Provide personal audio output.

### Storage Devices

- **External Hard Drive:** Provides additional storage capacity.
- **USB Flash Drive:** Portable storage device for transferring data.
- **CD/DVD/Blu-ray Drive:** Reads and writes data to optical discs.
- **Memory Card:** Used in cameras, smartphones, and other devices for storage.
- **Network Attached Storage (NAS):** A dedicated file storage device connected to a network

