



# CASTECH

YOUR CASINO WE BUILD

THE BRAND



## DENIZ TRADE

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# IT Hardware

In the realm of information technology (IT), IT hardware refers to the physical components that make up a computer system or network. It's essentially the tangible equipment you can see and touch, as opposed to the intangible software that runs on it.

Think of it this way: IT hardware is the building blocks , while IT software is the blueprint that dictates how those blocks are assembled and function. Here's a breakdown of the key components of IT hardware:

## Core components:

**Processing unit (CPU):** The "brain" of the computer, responsible for executing instructions and performing calculations. Examples include CPUs from Intel, AMD, and Apple.

**Random access memory (RAM):** Temporary storage that holds data and programs currently in use for quick access.

**Storage devices:** Hard drives, solid-state drives (SSDs), and other technologies for storing data permanently.

**Motherboard:** The main circuit board that connects all the other components and allows them to communicate.

**Input/output (I/O) devices:** Monitors, keyboards, mice, printers, and other devices that enable interaction with the computer and the outside world.

## Other important hardware:

**Network adapters:** Enable computers to connect to networks and the internet.

**Graphics cards:** Enhance visual performance for gaming, video editing, and other graphics-intensive tasks.

**Sound cards:** Process audio input and output.

**Power supply unit (PSU):** Provides power to all the other components.

**Cooling systems:** Fans and heatsinks prevent components from overheating.

## Types of IT hardware:

**Desktop computers:** Traditional PCs designed for individual use in offices or homes.

**Laptops:** Portable computers with built-in batteries and screens.

**Servers:** Powerful computers designed for centralized storage, processing, and sharing resources.

**Network devices:** Routers, switches, and firewalls that manage data flow within and between networks.

**Mobile devices:** Smartphones and tablets for on-the-go computing.



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What determines good IT hardware:

Performance: Power, speed, and processing capability to meet your needs.

Compatibility: Ensuring all components work together seamlessly.

Reliability: Durability and resistance to failures.

Security: Features to protect against data encroachment and unauthorized access.

Cost-effectiveness: Finding the right balance between features and budget.

Remember: Choosing the right IT hardware depends on your specific needs and usage. Whether you're a gamer, a graphic designer, a business owner, or just a casual user, understanding the different types and functionalities of IT hardware will help you make informed decisions and build a system that suits your requirements.

