

# What is inside a Lenovo IdeaPad Z560?

Taken apart by: Vishal Swamy, Jacob Cusick  
Documented by: Jacob Cusick, Vishal Swamy, Julian Gonzalez  
Foothills Middle school  
98000C

## Motherboard



What is a Motherboard?

The motherboard is the main printed circuit board in PCs and laptops.

What does a motherboard do inside a laptop?

The motherboard connects all of your hardware to your processor.

## Heatsink



What is a heatsink?

A heatsink is a component that increases the heat flow away from a hot device.

What does the heatsink do inside a laptop?

The heatsink absorbs heat from the CPU.

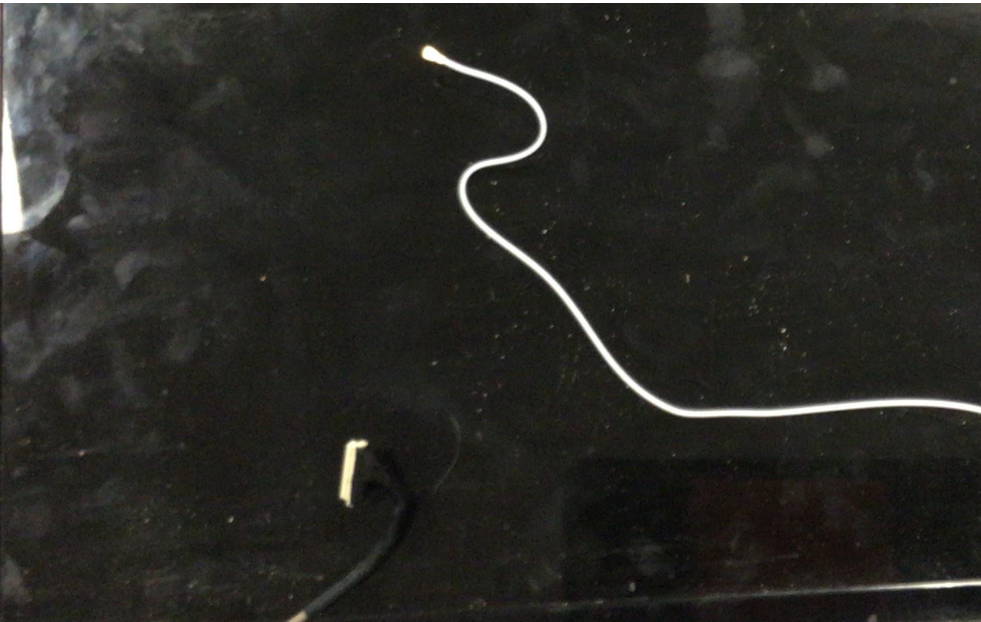
## Battery



What does a battery do inside a laptop?

The battery supplies power to the laptop, making the laptop work without a power cord

## Laptop screen



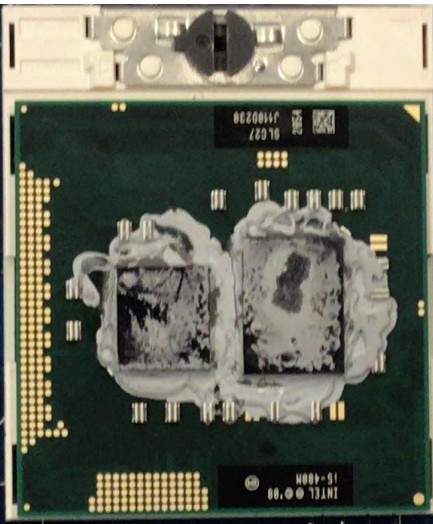
What is a laptop screen?

Laptop monitors are liquid-crystal displays.

What does a laptop screen do?

A laptop screen can transmit HD audio and video signals from the laptop.

## CPU



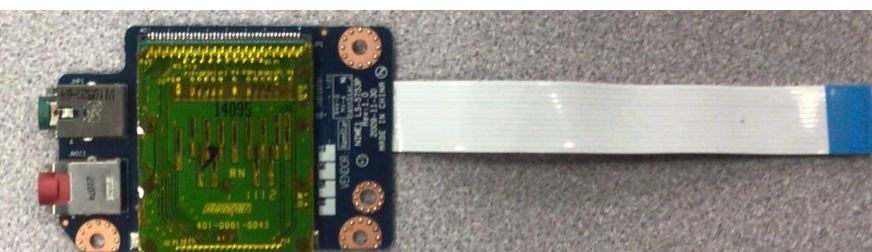
What is a CPU?

A central processing unit, also called a CPU is the main processing unit.

What does a CPU do inside a laptop?

The CPU calculates and interprets instructions.

## Audio controller



What is an audio controller?

The audio controller is a simple interface to the audio CODEC chip on the motherboard.

What does an audio controller do inside a laptop?

The audio controller provides input and output of audio signals to and from a computer.

## Disc Drive



What is a disc drive?

A disc drive is a device that allows a computer to read from and write data on a disc.

What does a disc drive do inside a laptop?

The disc drive allows you to use CDs and DVDs discs to listen to music or watch movies.

## RAM



What is RAM?

RAM is a computer's short-term memory.

What does RAM do inside a laptop?

RAM is a temporary computer storage that allows stored data to be received and read almost instantaneously.

## Wireless Card



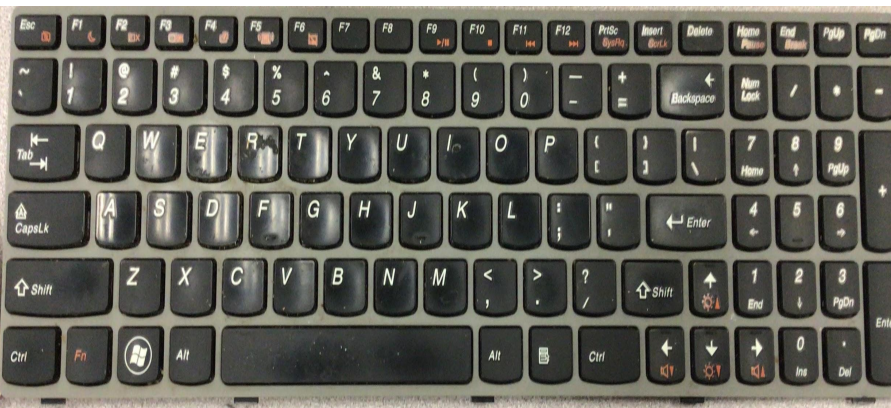
What is a Wireless Card?

A wireless card is a device that does not need to be connected to a network cable.

What does the wireless card do inside the laptop?

The wireless card takes the computer's signals and converts them into radio waves that transmit through visible or hidden antennas. The heatsink absorbs heat from the CPU.

## Keyboard



What is a keyboard?

A keyboard is a panel of keys that operates the laptop.

What does the keyboard do in a laptop?

A keyboard is for typing words and numbers on a laptop.

## Fan



What is a fan?

The fan cools down the whole laptop by circulating air to or from the laptop.

What does the fan do in the laptop?

The fan actively cools down the laptop while in use.

## Hard-Drive

What is a hard drive?

A hard drive is a device that stores the operating system. The Hard-Drive mainly will store files, Pictures, and Music

What does the hard drive do in a laptop?

IN the laptop the Hard-Drive stores files and software. This is also where the main operating system is stored.



## Conclusion

What we learned.

We learned that computers/laptops are very complex machines and that we take them for granted every day.