

Team 216A decided to take apart an Xbox 360 console. The Xbox is a modern piece of technology and we wanted to see what it was made of. Unfortunately, we were unable to identify any Texas Instruments parts, but we did find that the original Xbox had them in our research. We could not find anything in our research proving Texas Instruments parts are in the Xbox 360. Although, we did find chips that had Microsoft, Hynix, and Samsung logos on them.

Inside we found the following parts:

- A. Power button- Touch Sensor inside. Turns on the console.
- B. Central Processing Unit-The brain.
- C. Graphics Processing Unit-Processes images.
- D. Transformers-Used for reducing or increasing the voltage of an alternating current.
- E. Capacitors-Store an electric charge.
- F. Fan-Cools the console/heatsink.
- G. Heatsink-Absorbs unwanted heat.
- H. Hard Drive Ribbon-cable to connect optional hard drive.
- I. DVD Disk drive-Allows a computer to read from a computer disk.
- J. Flash Memory Chip- Fast, data storage, that doesn't require power.
- K. Integrated wifi receiver-Connects the device to WiFi.
- L. HDMI port-Audio/video output.
- M. Optical Audio Output- Digital audio output.
- N. Network Port- A wired connection to another device, Used instead of wifi.
- O. USB port

In this project, we learned many things, like how to disassemble an Xbox and that gears are used even in modern technology. Also, what the different parts are in an Xbox 360, and that those parts are often found in other electronics we use. Another finding was that an Xbox 360 is held together by a bunch of clips, with very few screws. We were also surprised to see how many parts were in the console. This was a very fun project to disassemble and learn about. At the end everyone from the team, took some part of the Xbox home with them.







