

Electronics Project

I took apart the Dell MTC2 series 2400. I chose to take apart the Dell MTC2 because it was bigger, had more parts and it was easier to open. Also, because it was an older model it was/had big and bulky pieces so it was easier to pinpoint and take out the pieces. In the Dell MTC2 there were many pieces like the mother board, memory modules, and more.

The pieces in the Dell MTC2 were not IT pieces. But were bulky and big but also very old, some of the pieces in it, now a days are not there. The tools I used to take apart the Dell MTC2 was a drill, hammer and pliers. Some of the pieces like the hard drive were specially protected and could not be taken apart with normal house hold tools. Also, another reason it was so hard to take the Dell MTC2 apart was because the backboard which you use to open up to get to the inside was weirdly shaped, it had a curve at the bottom which made it hard to access some of the pieces in that vicinity.

These are some pieces in the Dell MTC2 and what they can do. The Motherboard is the like the connector, it connects all the pieces together. It also makes all the pieces interact to make a working machine. The memory module (RAM chip) is basically a temporary storage department for the Dell MTC2. It stores temporary data while the computer is running. It is also gives easy installation and replacement in electronic systems, especially computers such as personal computers, workstations, and servers. The network card is the part of the Dell MTC2 that connects the device to the internet this establishes a great connection. It also lets a computer exchange data with a network. The Ribbon cables are used for data transmission and communications. It is often chosen for computer cable applications, where it is used as internal wiring for hard drives, CD drives, and more. These are just a few of the many parts you can find inside the Dell MTC2.

This was a very different but fun experience for me and two lessons I learned was 1. Persistence. Persistence was one major lesson I learned because there were so many times I wanted to give up because it was so hard to open and I almost gave up but my mom kept pushing me and then it turned in to something awesome. 2. Appreciate the hard work that goes into the device. When I was opening up the device, I saw so many parts and half of them I didn't even know, and I realized that there is a lot of work that goes into making these products, because when we use a device it is the easiest thing to use but when really look at the inside you see what goes into that flawless easy usage. This was an awesome experience and I would do it again.



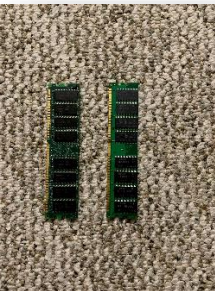
This is the network



These are the ribbon cables



This is the motherboard



These are the memory modules

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I wanted to make an Info graphic because it felt more appealing to see/read. Hope you like it!

