LK LearnKey

RAM Types and Channels

Many types of Random Access Memory (RAM) are present in devices. RAM is a temporary form of data storage and is volatile, meaning that data on RAM is lost when a device is turned off. The system board inside a device will dictate the type of RAM installed on a device.

Many system boards have multiple channels for RAM, meaning that individual RAM chips can be grouped and used as one unit, making RAM run faster compared to a system's CPU.

Purpose

Upon completing this project, you will better understand RAM, its different iterations, channels, and how RAM functions through those channels.

Steps for Completion

1. Which type of RAM chip is usually installed in a laptop?

   a. _____

2. What adjustment can be made to virtual RAM on a virtual machine?

   a. _____
   _____
   _____

3. Which type of RAM chip has built-in support for CRC?

   a. _____

4. Which type of RAM chip is a 240-pin chip with a top data rate of 2133 Mbps?

   a. _____

5. Which type of RAM chip manages its power through the memory module?

   a. _____

6. What specific type of error does ECC RAM correct?

   a. _____

7. What is the usual indicator of a multi-channel memory socket on a system board?

   a. _____

8. Which multi-channel system board is the most powerful of all the multi-channel system boards?

   a. _____