

## 3.3.7 Lab: Install Triple Channel Memory

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Time Spent: 02:05

Score: 100%

### Task Summary

#### Required Actions

- ✓ Install three DDR3 2 GB 1600 modules
- ✓ Install memory in slots A1, B1, and C1
- ✓ Verify triple channel mode in BIOS

#### Explanation

Complete this lab as follows:

1. Identify the supported memory and installation procedures.
  - a. Above the computer, switch to the motherboard view.
  - b. Select the **motherboard**.
  - c. From the Selected Item pane, select the **Item Details** button.
  - d. Read the **documentation** to identify supported memory and installation procedures.

The motherboard supports modules up to 1600 MHz for one module per channel. Installing faster modules would not make the memory operate above 1600 MHz.

- e. Close the documentation.
2. Install memory
  - a. Under Inventory, expand **Memory Modules**.
  - b. Drag a **DDR3 2 GB, DDR3 1600** memory module to the memory slot on the motherboard.

Based on the motherboard documentation, when using 1600 MHz modules, you should only install three modules, and you should use slots DIMM\_A1, DIMM\_B1, and DIMM\_C1 (the three blue slots).

- c. Repeat step 2b to install the additional two memory modules.
3. Verify that the memory runs in triple channel mode.
  - a. Switch to the front view of the computer.
  - b. Select the **power** button on the computer and then press **F2** to enter the BIOS as the BIOS loads.

- c. Under System Information, verify that all the *memory* is recognized, that it runs at the correct speed, and that it is operating in triple channel mode.

System Information

Bios version	= 1610
Service Tag	= FRT8Q32
Asset Tag	= {none}
Ownership Tag	= {none}
Manufacture Date	=
Ownership Date	=
Express Service Code	= 74223537941

Signed Firmware Update is enabled

Memory Information

Memory Installed	= 6144
Memory Available	= 6047
Memory Speed	= 1600
Memory Channel Mode	= TripleChannel
Memory Technology	= DDR3
DIMM A Size	= 2048 MB
DIMM B Size	*** DIMM Slot Empty ***
DIMM C Size	= 2048 MB
DIMM D Size	*** DIMM Slot Empty ***
DIMM E Size	= 2048 MB
DIMM F Size	*** DIMM Slot Empty ***