

LAB BOOK

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## Lab 6 - BIOS

### Part 1

#### Description

In this lab I will be describing the detailed information of BIOS/UEFI and some of the information from the video which is mentioned in Lab 6.

#### Observations

- a) Amount of memory installed on the PC :
  - RAM : 16GB
- b) What slots are the memory installed in :
  - DDR4\_A2 : GSKILL 8GB 2133Mhz
  - DDR4\_B2 : GSKILL 8GB 2133Mhz
- c) How many fans are being controlled by the BIOS :
  - 4 Fan
- d) The boot sequence for this PC :
  - P1 : Crucial\_CT750MX300SSD1
- e) In which SATA connection is the drive installed:
  - P1: Crucial\_CT750MX300SSD1
- f) What is the status of the CPU temperature Warning :
  - Disable
- g) What is the status CPU fail Warning :
  - Disable
- h) Is the system set to Wake on LAN :
  - Yes
- i) What is the NIC UEFI Driver :
  - Intel(R) PRO/1000 6.6.04PCI-E
- j) What is MAC Address :
  - B4:2E:99:33:10:48
- k) What is the BIOS ID :
  - 8AMTS002

#### Reflection

BIOS :

- The firmware we discussed in the foregoing boot sequence is called BIOS, which stands for Basic Input/Output System.
- It's saved on an EPROM (Erasable Programmable Read-Only Memory), which makes it simple for the manufacturer to distribute updates.

**UEFI :**

- Unified Extensible Firmware Interface (UEFI) is an acronym for Unified Extensible Firmware Interface. It performs the identical functions as a BIOS, with the exception that it saves all data related to initialization and startup in an.efi file rather than on the firmware.
- This.efi file is saved on the hard disc in a specific partition called EFI System Partition (ESP). The boot loader is also on this ESP sector.

**References**

<https://www.freecodecamp.org/news/uefi-vs-bios/>