목차

SecureBoot

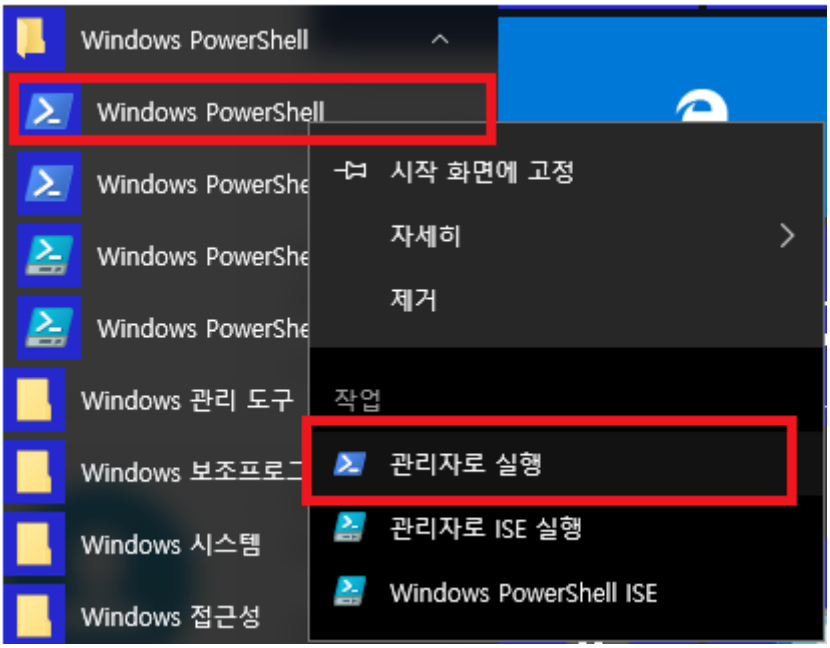
× SecureBoot에 대한 안내 페이지입니다.

SercureBoot란

- SecureBoot란 메인보드의 펌웨어에 미리 안전한 펌웨어, 드라이버, OS등의 자료를 넣고 이미 알려진 악성코드를 판단하여 부팅 시 안전한 자료 명단에 있으면 부팅 시키고 없으면 부팅이 되지 않도록 조치하거나 부팅하여 제거하는 것을 말합니다.
- 따라서 SecureBoot가 Enable 되어있는 경우 메인보드 사에 자료가 없는 드라이버는 설치가 정상적으로 시작되지 않을 수 있습니다

SercureBoot 확인 방법 1 : Windows PowerShell 이용

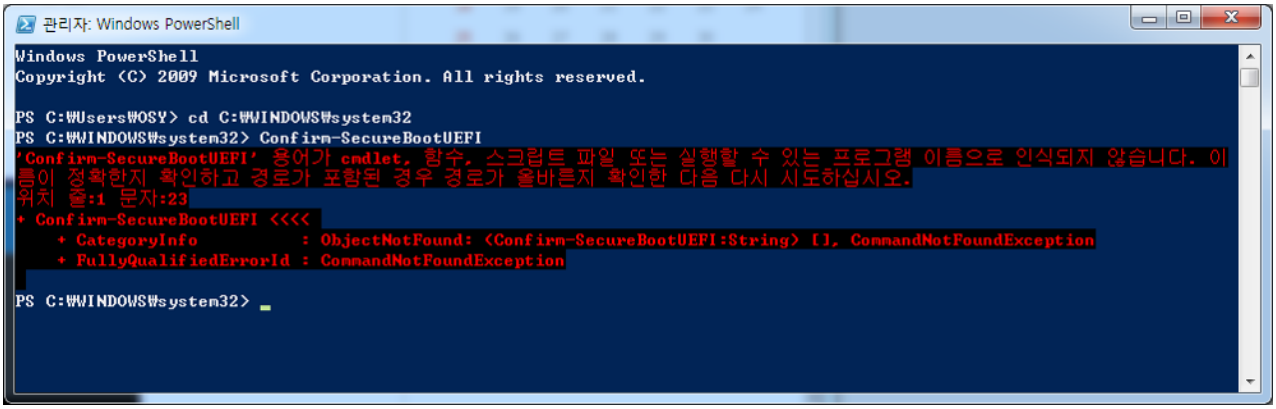
- Windows PowerShell을 관리자 권한으로 실행합니다.



- 주소창의 위치가 system32가 아닌 경우 system32로 접근합니다.
- Confirm-SecureBootUEFI를 입력하여 확인합니다.

```
cd C:\WINDOWS\system32
```

```
Confirm-SecureBootUEFI
```

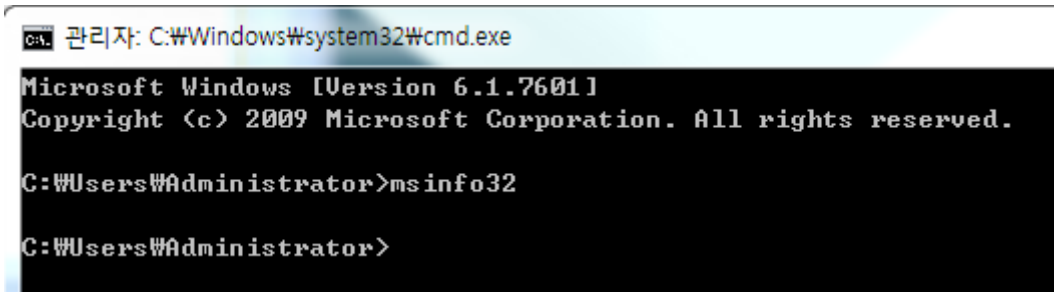


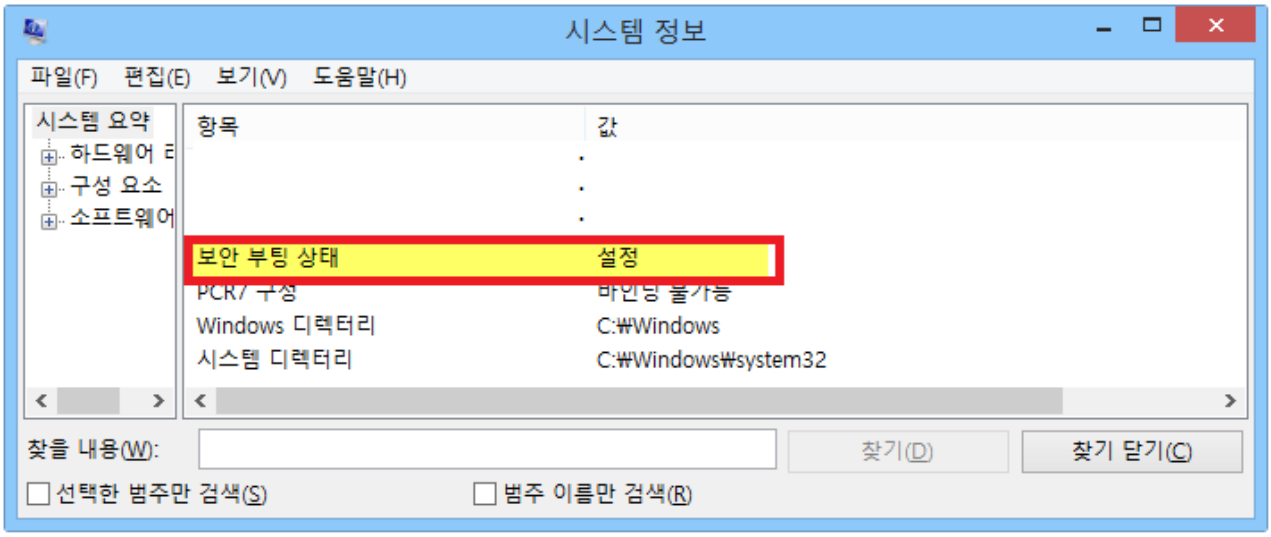
- 오류가 뜨는 경우는 BIOS가 레거시 부팅이기 때문에 해당사항이 없으며 UEFI 부팅에 SecureBoot의 상태에 따라 True 또는 False라고 뜹니다.

```
UEFI / Secure Boot Enable : True
또는
UEFI / Secure Boot Enable : False
```

SercureBoot 확인 방법 2 : CMD 이용

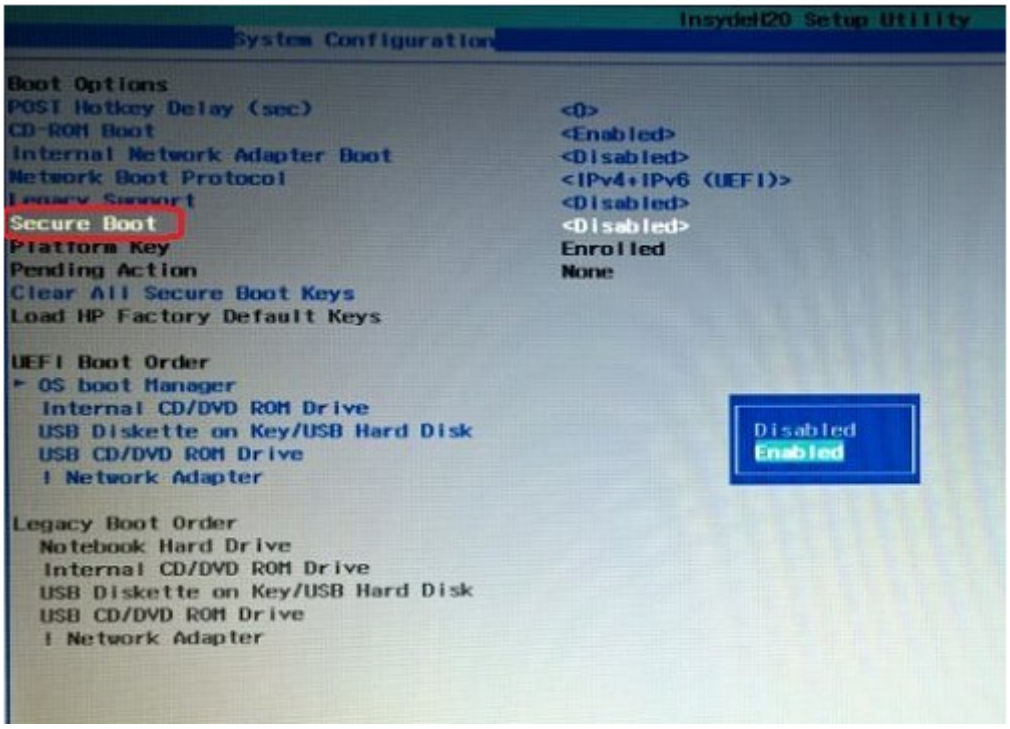
- CMD창을 실행하여 msinfo32 입력
  - 실행이 안될 경우, system32 로 이동하여 실행



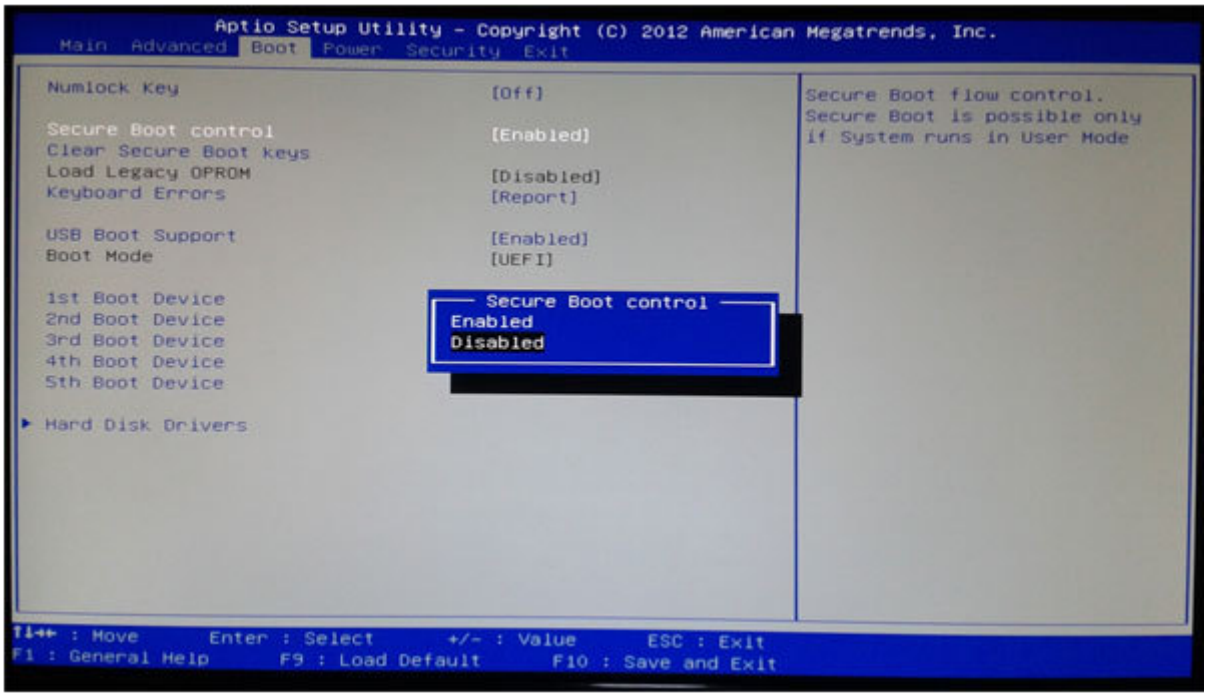


SercureBoot 해제방법 : AMI BIOS

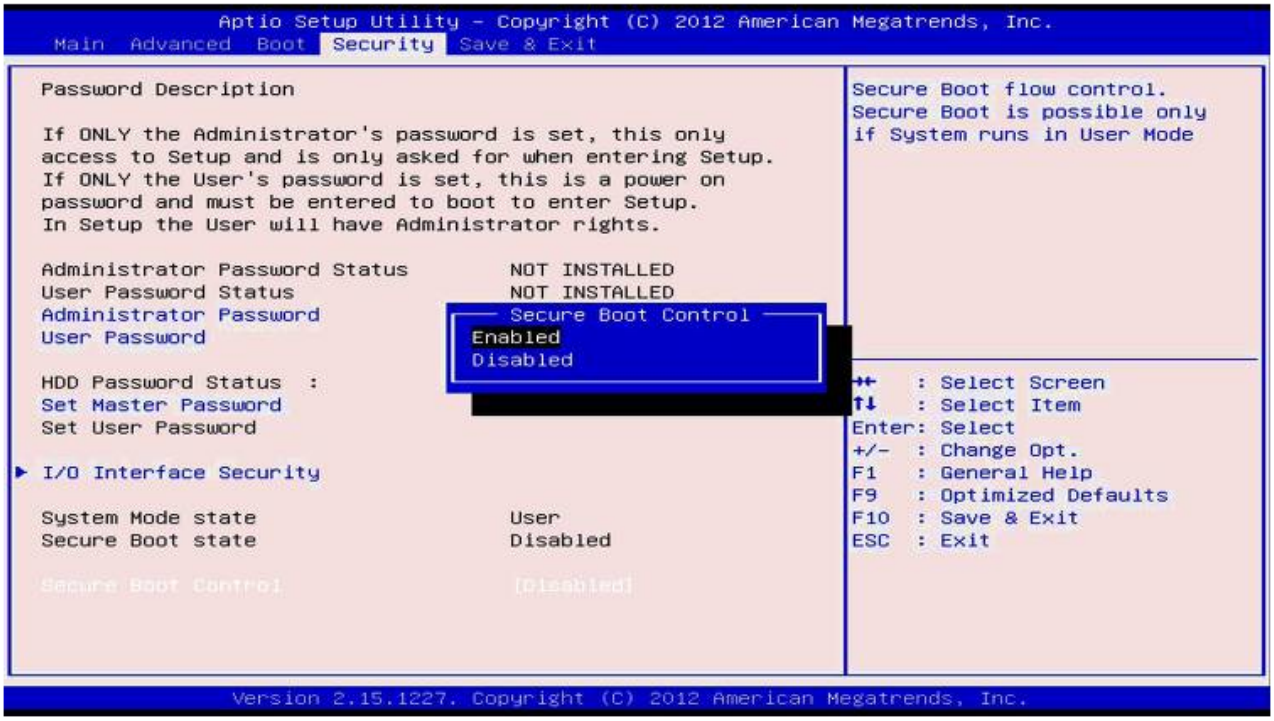
- **Case 1**



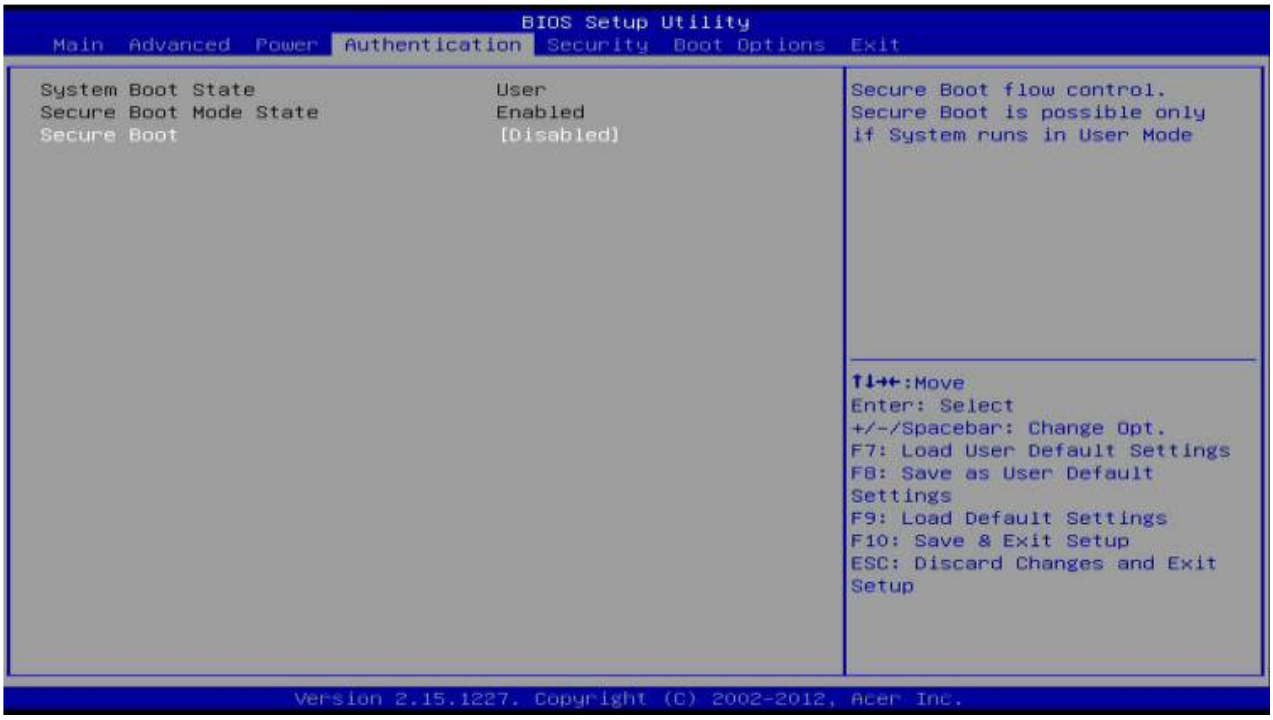
- **case 2**


Aptio Setup Utility – Copyright (C) 2012 American Megatrends, Inc.
Main Advanced Boot Power Security Exit
Numlock Key [Off]
Secure Boot control [Enabled]
Clear Secure Boot keys
Load Legacy OPROM [Disabled]
Keyboard Errors [Report]
USB Boot Support [Enabled]
Boot Mode [UEFI]
1st Boot Device
2nd Boot Device
3rd Boot Device
4th Boot Device
5th Boot Device
Hard Disk Drivers
Secure Boot control
Enabled
Disabled
Secure Boot flow control.
Secure Boot is possible only
if System runs in User Mode
↑↓↔ : Move Enter : Select +/- : Value ESC : Exit
F1 : General Help F9 : Load Default F10 : Save and Exit

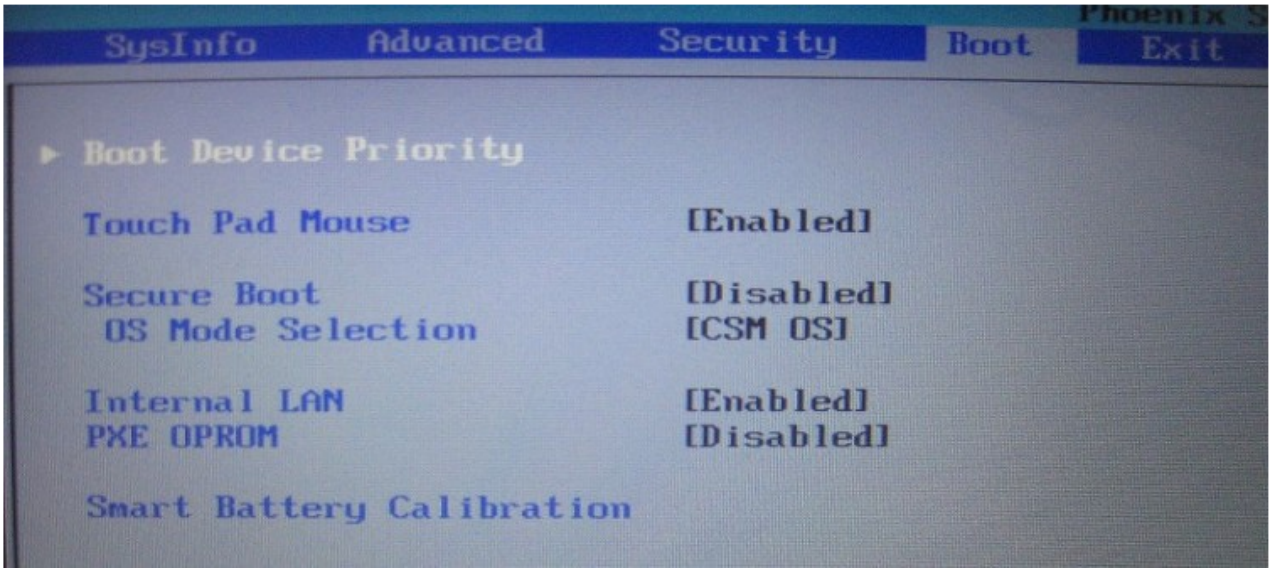
- **case 3**


Aptio Setup Utility – Copyright (C) 2012 American Megatrends, Inc.
Main Advanced Boot Security Save & Exit
Password Description
If ONLY the Administrator's password is set, this only
access to Setup and is only asked for when entering Setup.
If ONLY the User's password is set, this is a power on
password and must be entered to boot to enter Setup.
In Setup the User will have Administrator rights.
Administrator Password Status NOT INSTALLED
User Password Status NOT INSTALLED
Administrator Password
User Password
HDD Password Status :
Set Master Password
Set User Password
I/O Interface Security
System Mode state User
Secure Boot state Disabled
Secure Boot Control [Disabled]
Secure Boot Control
Enabled
Disabled
Secure Boot flow control.
Secure Boot is possible only
if System runs in User Mode
↔ : Select Screen
↑↓ : Select Item
Enter: Select
+/- : Change Opt.
F1 : General Help
F9 : Optimized Defaults
F10 : Save & Exit
ESC : Exit
Version 2.15.1227. Copyright (C) 2012 American Megatrends, Inc.

- **case 4**


BIOS Setup Utility
Main Advanced Power Authentication Security Boot Options Exit
System Boot State User
Secure Boot Mode State Enabled
Secure Boot [Disabled]
Secure Boot flow control.
Secure Boot is possible only
if System runs in User Mode
↑↓→←:Move
Enter: Select
+/-/Spacebar: Change Opt.
F7: Load User Default Settings
F8: Save as User Default
Settings
F9: Load Default Settings
F10: Save & Exit Setup
ESC: Discard Changes and Exit
Setup
Version 2.15.1227. Copyright (C) 2002-2012, Acer Inc.

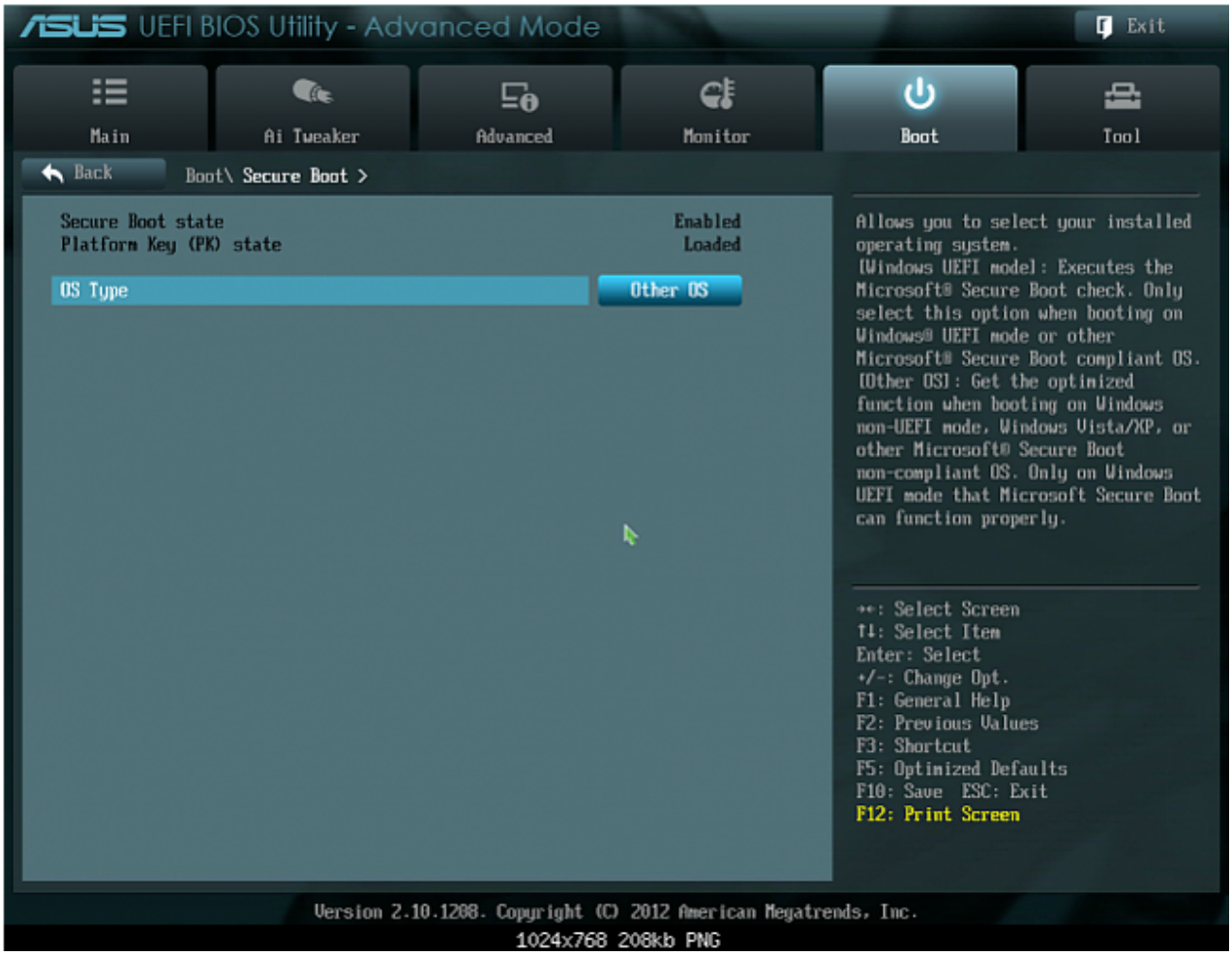
- **case 5**


SysInfo Advanced Security Boot Exit
Boot Device Priority
Touch Pad Mouse [Enabled]
Secure Boot [Disabled]
OS Mode Selection [CSM OS]
Internal LAN [Enabled]
PXE OPROM [Disabled]
Smart Battery Calibration

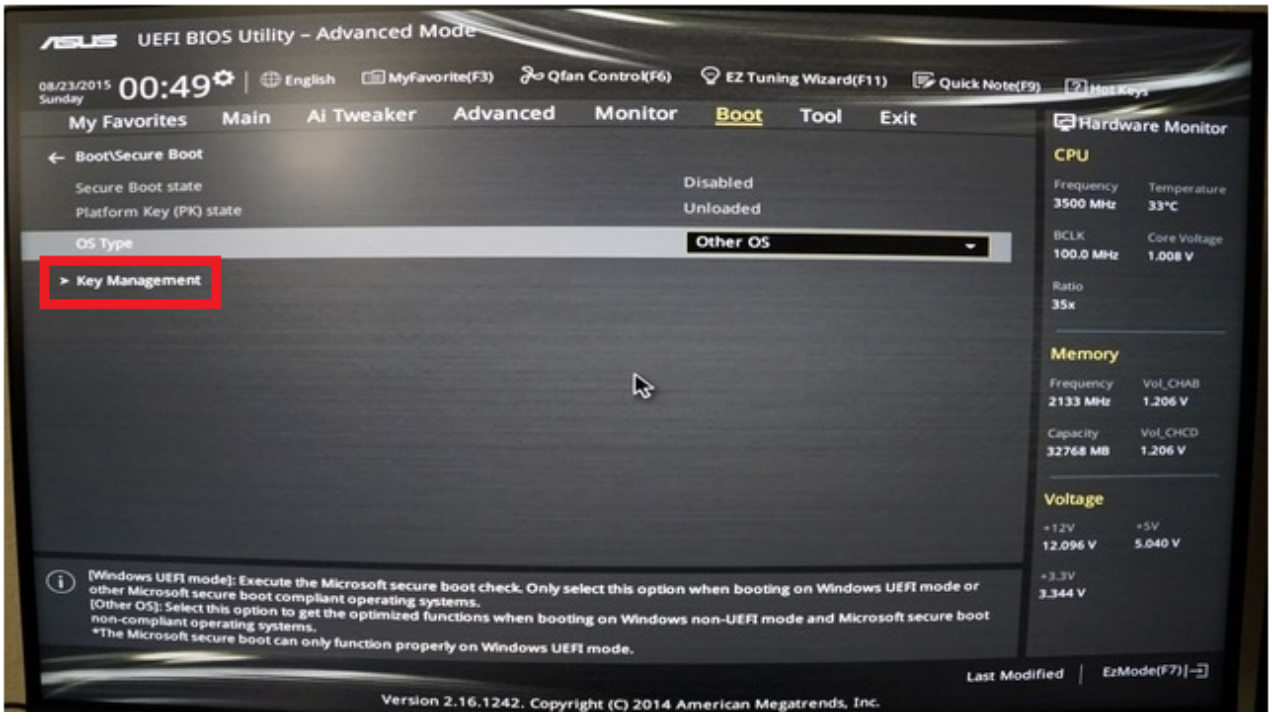
SercureBoot 해제방법 : MainBoard 제조사별

- **Asrock**

- **Asus**

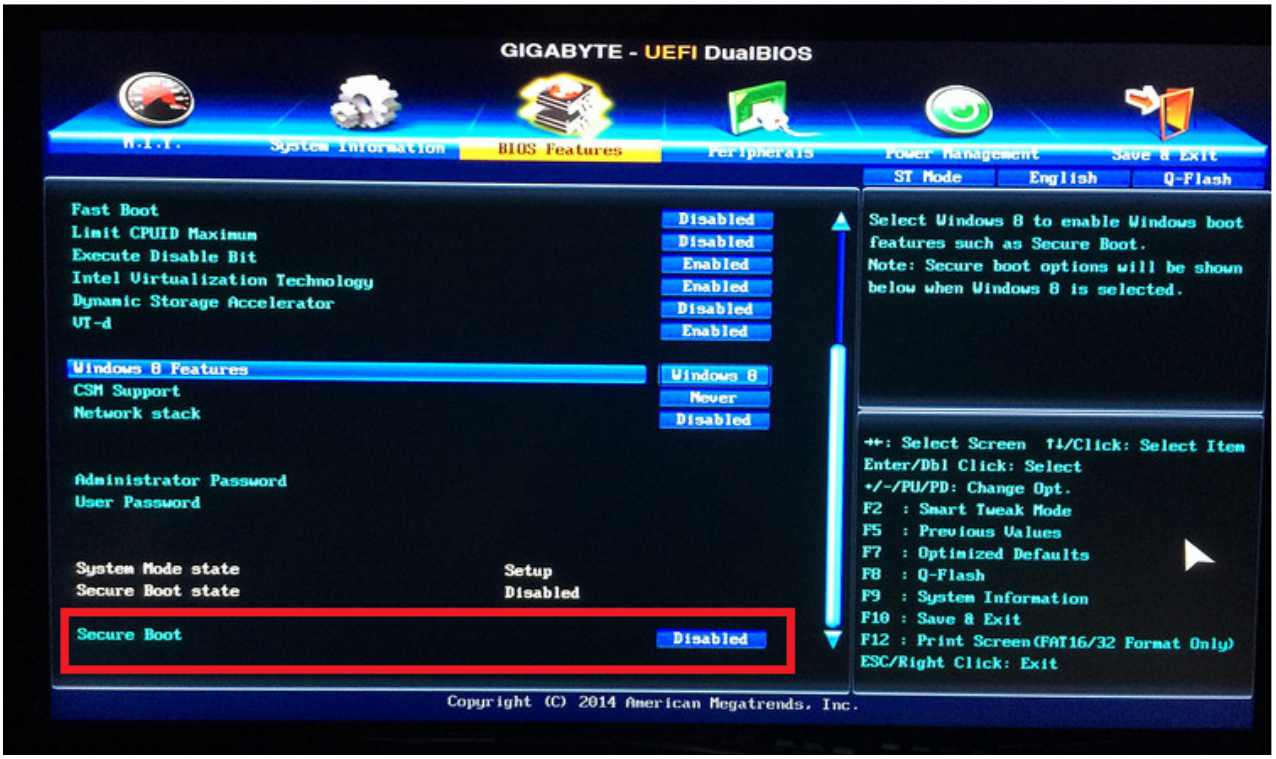


- OS Type을 Other OS로 변경

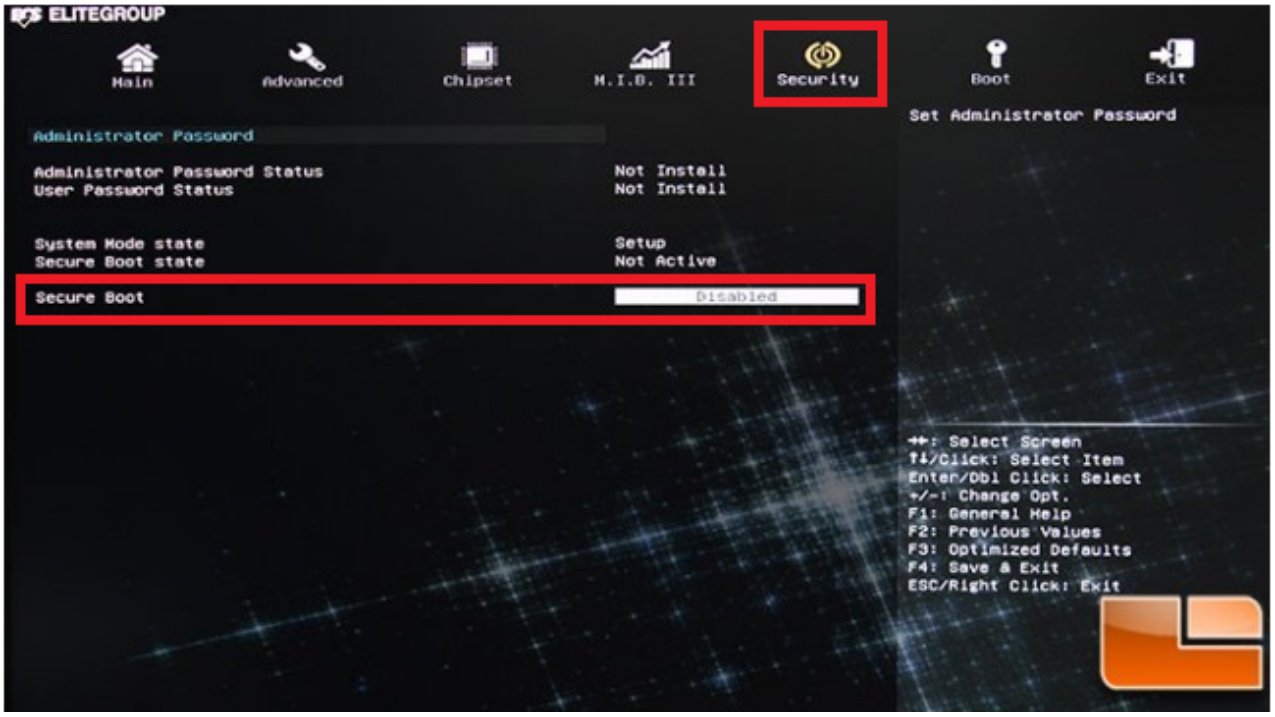


- Key Management가 있으면 Secure Boot키 삭제

- **GIGABYTE**


GIGABYTE - UEFI DualBIOS
M.I.T.
System Information
BIOS Features
Peripherals
Power Management
Save & Exit
ST Mode
English
Q-Flash
Fast Boot
Limit CPUID Maximum
Execute Disable Bit
Intel Virtualization Technology
Dynamic Storage Accelerator
VT-d
Disabled
Disabled
Enabled
Enabled
Disabled
Enabled
Windows 8 Features
CSM Support
Network stack
Windows 8
Never
Disabled
Administrator Password
User Password
System Mode state
Secure Boot state
Setup
Disabled
Secure Boot
Disabled
Select Windows 8 to enable Windows boot features such as Secure Boot.
Note: Secure boot options will be shown below when Windows 8 is selected.
↔: Select Screen ↑↓/Click: Select Item
Enter/Dbl Click: Select
+/-/PU/PD: Change Opt.
F2 : Smart Tweak Mode
F5 : Previous Values
F7 : Optimized Defaults
F8 : Q-Flash
F9 : System Information
F10 : Save & Exit
F12 : Print Screen(FAT16/32 Format Only)
ESC/Right Click: Exit
Copyright (C) 2014 American Megatrends, Inc.

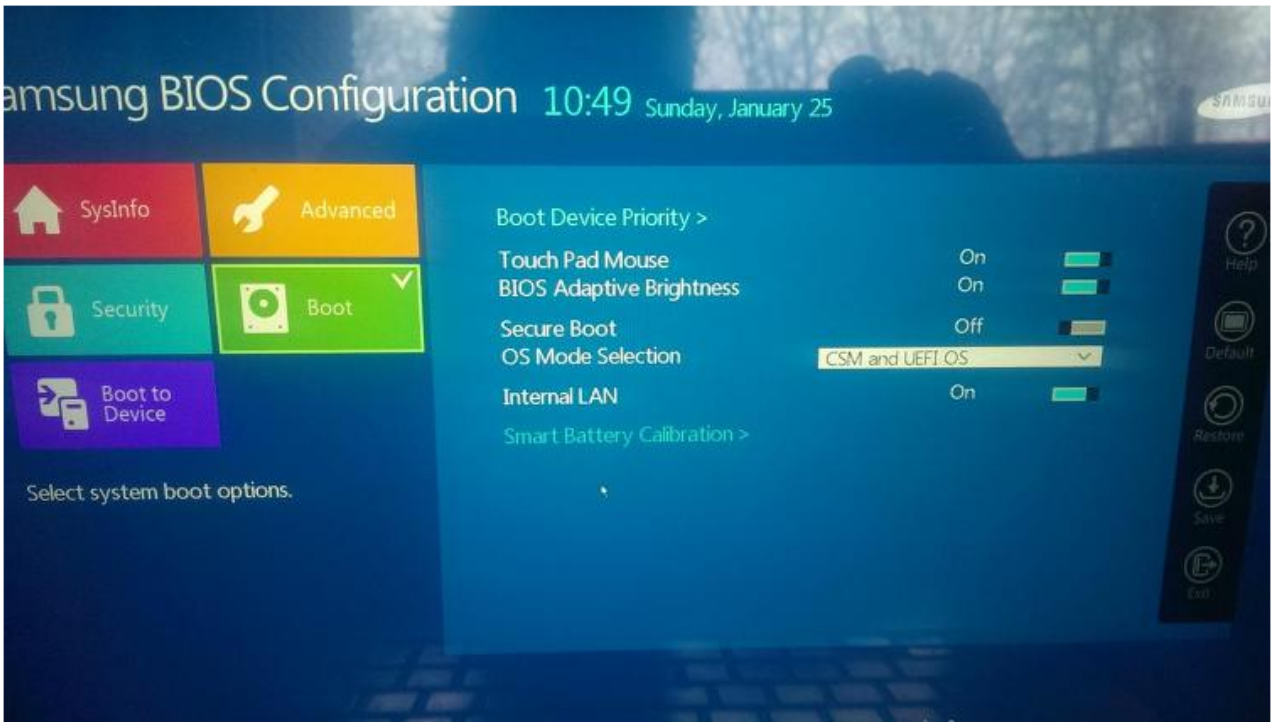
- **ECS**


ELITEGROUP
Main
Advanced
Chipset
M.I.B. III
Security
Boot
Exit
Set Administrator Password
Administrator Password
Administrator Password Status
User Password Status
Not Install
Not Install
System Mode state
Secure Boot state
Setup
Not Active
Secure Boot
Disabled
↔: Select Screen
↑↓/Click: Select Item
Enter/Dbl Click: Select
+/-: Change Opt.
F1: General Help
F2: Previous Values
F3: Optimized Defaults
F4: Save & Exit
ESC/Right Click: Exit

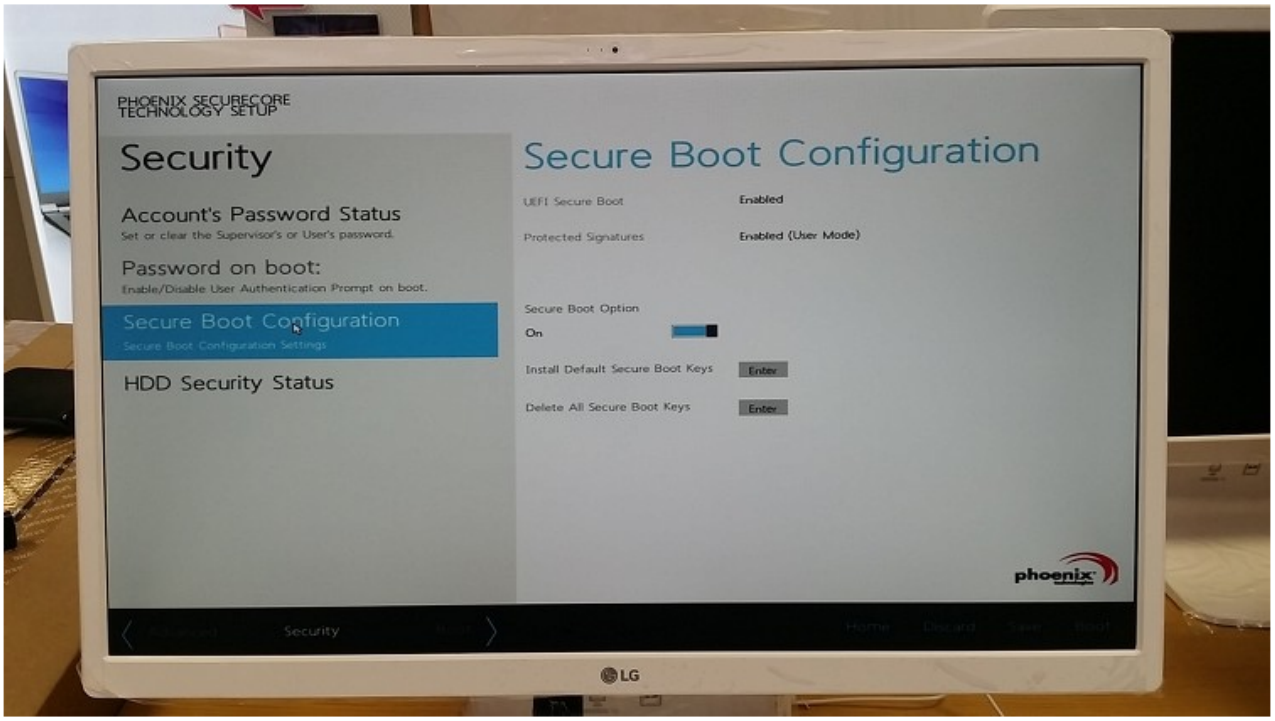
- **MSI**

Settings ₩ Advanced ₩ Windows8/8.1 Configuration ₩ Secure Boot 에 있는 것 같다.

- **SAMSUNG**


amsung BIOS Configuration 10:49 Sunday, January 25
SysInfo
Advanced
Security
Boot
Boot to Device
Select system boot options.
Boot Device Priority >
Touch Pad Mouse On
BIOS Adaptive Brightness On
Secure Boot Off
OS Mode Selection CSM and UEFI OS
Internal LAN On
Smart Battery Calibration >
Help
Default
Restore
Save
Exit

- **LG**


PHOENIX SECURECORE TECHNOLOGY SETUP
Security
Account's Password Status
Set or clear the Supervisor's or User's password.
Password on boot:
Enable/Disable User Authentication Prompt on boot.
Secure Boot Configuration
Secure Boot Configuration Settings
HDD Security Status
Secure Boot Configuration
UEFI Secure Boot Enabled
Protected Signatures Enabled (User Mode)
Secure Boot Option
On
Install Default Secure Boot Keys Enter
Delete All Secure Boot Keys Enter
phoenix
Security
LG