

# Interactive BIOS simulator

## OMEN by HP Laptop 15-dh0xxx

Welcome to the interactive BIOS simulator for the  
OMEN by HP Laptop 15-dh0xxx

### **Here's how to use it...**

[BIOS Utility Menus](#): (Click the link to navigate to the individual menus)

On this page you will find thumbnail images of each of the product's BIOS utility menus. To view a specific menu in greater detail, simply click that thumbnail. Just as in the live BIOS, on each menu, you can select the tab of each of the other utility menus to navigate directly to that menu.

### Menu options:

While the menu options cannot be toggled, many of them offer item specific information about that option. To view this information, use the cursor to rollover the option and the information will present in a pane on the right of the BIOS screen.

### **That's it!**

**On every page there is a link that brings you back to either this Welcome page or the BIOS Utility Menus page enabling you to navigate to whatever BIOS option you wish to review.**

# BIOS Utility Menus

Main

Security

Configuration

Boot Options

Exit





# HP Setup Utility

21:29:29

04/10/2019

◆ Main

## System Information

Feature Byte	3K3Q 6B7b 7wAb aHap agas awbA bhcb dUdX dqfq fPfd.Bn
Embedded Controller	4.4.11
Intel ME (Management Engine)	12.0.30.1406
Intel ISH (Integrated Sensor Hubs)	N/A
GOP (Graphic Output Protocol)	5000B
Video BIOS	nVidia 90.06.2F.00.65

## System Log

Result:

Time:

- No Data -  
- No Data -  
- No Data -



# HP Setup Utility

## Security

### Password

Set Administrator Password

Set Power-On Password

Submit

### Security

Intel Software Guard Extensions (SGX) 1

HP SpareKey 2

HP SpareKey Enrollment 3

TPM Device 4

TPM State 5

Clear TPM 6

### System Security

### Item Specific Help

- 1. Intel Software Guard Extensions (SGX)**  
Enable/Disable Intel Software Guard Extension (SGX).
- 2. HP SpareKey**  
Enable or disable HP SpareKey support. Before you use [SpareKey Enroll], please set password and enable support.
- 3. HP SpareKey Enrollment**  
Answer any three question to enroll.
- 4. TPM Device**  
If the item is set to Hidden, the TPM device is not visible in the operating system.
- 5. TPM State**  
If the TPM Device is hidden, this option is hidden. When the TPM device is changed to Available, this option is shown without the need to restart the computer. The TPM state is saved if the TPM device is changed to Hidden. The next time the TPM device is changed to Available the previous settings will be restored.
- 6. Clear TPM**  
If the TPM Device is hidden, this option is hidden. A confirmation message will be displayed during the next system startup to confirm you want to clear the TPM.  
For TPM 1.2 the BIOS sends the TPM\_ForceClear command to clear the TPM. For TPM 2.0 the BIOS sends the TPM2\_Clear command to clear the Storage and Endorsement Hierarchy. Once the TPM is cleared, the BIOS disables TPM Power-on Authentication. After the BIOS clears the TPM or you reject clearing the TPM during the physical presence check in POST this setting is reverted back to No. The setting of the TPM State shall stay the same before and after the "Clear TPM" operation. Clear TPM is also set to No without any action taken if the user selects No for the Physical Presence prompt.

## HP SpareKey Enrollment

You have not enrolled for HP SpareKey. HP SpareKey is a utility that helps you, or the administrator of the computer, recover lost system passwords, such as the power-on, or BIOS passwords. Do you want to enroll? Press Enter to answer any three questions to enroll.

## HP SpareKey Enrollment

Select security questions and answers

These questions will be used to recover lost system passwords if you ever forget it.

## Security Feature Reset Request

A request to Reset Security Defaults is pending. Please enter the pass code displayed below to complete the change. If you did not initiate this request, press the ESC key to continue without accepting the pending change.

8066

Reset Security Defaults (023)





## HP Setup Utility

### Configuration

#### Configuration

- Language 1
- Virtualization Technology 2
- Fan Always On 3
- Action Key Mode 4
- USB Charging 5
- Battery Remaining Time 6
- Battery Care Function 7
- S3/S4/S5 Wake on LAN 8

#### Item Specific Help

- 1. Language**  
Selects the display language for the BIOS
- 2. Virtualization Technology**  
Hardware VT enables processor feature for running multiple simultaneous Virtual Machines allowing specialized software applications to run in full isolation of each other. HP recommends that this feature remain disabled unless specialized applications are being used.
- 3. Fan Always On**  
Set the Fan Always On.
- 4. Action Key Mode**  
Disabled: Requires pressing fn key + f1 through f12 to activate action keys.  
Enabled: Requires pressing only f1 through f12 to activate action keys
- 5. USB Charging**  
Allow the system to charge the USB device such as mobile phone in S4 (Hibernation) or S5 (off) state.
- 6. Battery Remaining Time**  
This item enables or disables the reporting of battery remaining time from the BIOS to the operating system. If disabled, the operating system displays battery life in a percentage only.
- 7. Battery Care Function**  
Battery Care Function (100%): The battery charge stops at 91-100%.  
Battery Care Function (80%): The battery charge stops at 76-80%.  
Battery Care Function (50%): The battery charge stops at 46-50%.
- 8. S3/S4/S5 Wake on LAN**  
Permits the user to control whether the system should wake from S3 or S4/S5 if a magic packet is received by the NIC.



# HP Setup Utility

## Boot Options

- Setup mode select **1**
- POST HotKey Delay (sec) **2**
- USB Boot **3**
- Network Boot **4**
- Network Boot Protocol **5**
- Legacy Support **6**
- Secure Boot **7**
- Platform Key                      Enrolled - MSFT
- Pending Action                    None

## Boot Keys

- Load HP Factory Default Keys
- Load MSFT Debug Policy Keys

## Boot Order

- UEFI Boot Order
  - OS Boot Manager
    - Windows Boot Manager (Intel RAIDVOL)
  - USB Diskette on Key/USB Hard Disk
  - USB CD/DVD ROM Drive
  - Network Adapter
- 
- Legacy Boot Order
  - Internal Hard Drive
  - USB Diskette on Key/USB Hard Disk
  - USB CD/DVD ROM Drive
  - Network Adapter

## Item Specific Help

- 1. POST HotKey Delay (sec)**  
Setup mode: Graphic or Text.
- 2. POST Hotkey Delay**  
POST HotKey Delay (sec) controls the amount of time given to press the function key to enter the Setup Utilities when the system starts. To disable the audible password prompt (beeping sound) for both the Administrator Password and Power-On password, set the POST Hotkey Delay (sec) option to 0.
- 3. USB Boot**  
Enable/Disable USB boot.
- 4. Network Boot**  
Enable/Disable network boot during boot time.
- 5. Network Protocol**  
Select Network Boot Protocol using IPv4, IPv6 or IPv4+IPv6. When IPv4+IPv6 is selected, BIOS will use IPv4 first.
- 6. Legacy Support**  
When Legacy Support is enabled, BIOS will load Compatibility Support module (CSM) to support Legacy OS such as Windows 7, Windows Vista, Windows XP and DOS. When Legacy Support is disabled, BIOS will boot in UEFI Mode without CSM to support newer OS such as Windows 8. System might be unable to boot into operating system after changing this setting.
- 7. Secure Boot**  
When Secure Boot is enabled. BIOS performs cryptographic check during bootup for the integrity of the software image. It prevents unauthorized or malicious modified software from running.

Changing this setting may make the system unable to boot the OS.  
Do you want to make this change?

Clearing all Secure Boot Keys will disable Secure Boot. Please enter the pass code displayed below to complete the action or press the ESC key to cancel.

2432

Are you sure you want to exit?

Save Changes and Exit

Ignore Changes and Exit

Apply Changes and Exit