Interactive BIOS simulator

HP ENVY Laptop 13-aq0xxx

Welcome to the interactive BIOS simulator for the
HP ENVY Laptop 13-aq0xxx

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

Main Menu

Main

		Item Specific Help
System Time	[14:28:05]	1. Provides firmware revision information of devices built in the system.
System Date	02/13/2019	
Product Name	HP ENVY Laptop 13-aq0xxx	
System Family	HP Envy	2. View System Log.
Product Number	4810G9010007	
System Board ID	85E2	
Born On Date	02/11/2019	
Processor Type	Intel(R) Core(TM) i3-8145U CPU @ 2.10GHz	
Total Memory	4 GB	
BIOS Vendor	Insyde	
BIOS Version	B.08	

①

Serial Number	ABC84900VJ
UUID	58A01C9E-F9EB-11E8-934B-FC77745D4C14
System Board CT Number	4550G901D00884
Factory installed OS	Win10
Primary Battery SN	00773 11/29/2018

②

Build ID	19WW1MOT6af#SABA#DABA
Feature Byte	3K3Q 6b7B 7K7N 7WaB apaq asaw bBbh cbdU dXdp dqfP hZ.Ft

Main Menu

Device Firmware Revision

Embedded Controller	29.13
Intel ME (Management Engine)	12.0.20.1301
GOP (Graphic Output Protocol)	9.0.1084
USB Type-C Controller(s)	F7.07.10.04.05

Item Specific Help

Main Menu

System Log

Result:

Time:
- No Data -
- No Data -
- No Data -
- No Data -
- No Data -
- No Data -
- No Data -
- No Data -
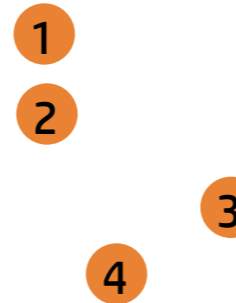- No Data -
- No Data -
- No Data -

Item Specific Help

Security Menu

Administrator Password **1**

Power-On Password **2**

Intel Software Guard Extensions (SGX) **3**

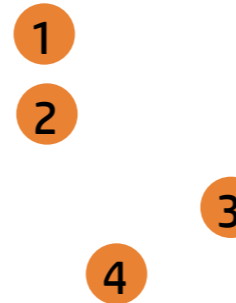TPM Device **4**

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1. Administrator Password prevents unauthorized access to the Setup Utilities. To disable the audible password prompt (beeping sound), set the POST Hotkey Delay (sec) option to 0. This also disables the audible prompt for Power-On Password.

2. Power-On Password prevents unauthorized computer system start (boot). To disable the audible password prompt (beeping sound), set the POST Hotkey Delay (sec) option to 0. This also disables the audible prompt for Administrator Password.

3. Enable/Disable Intel Software Guard Extensions (SGX)

4. If the item is set to HIdden, the TPM device is not visible to the operating system.

5. 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 setting will be restored.

6. 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_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.

7. This option will restore all the security settings to factory defaults. For example, TPM device will be cleared and set to default shipping state.

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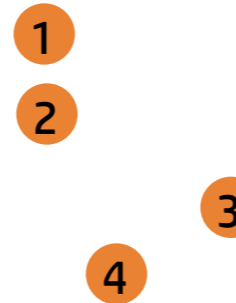
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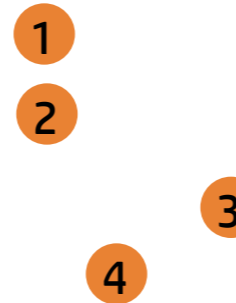
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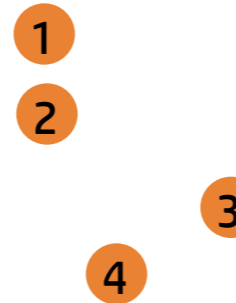Intel Software Guard Extensions (SGX)

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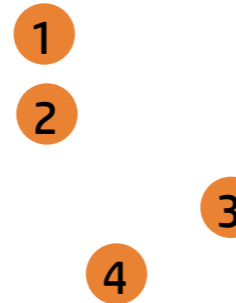TPM Device (4)

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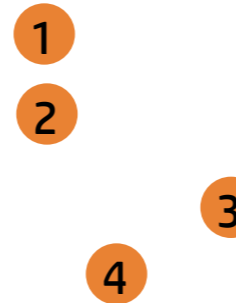TPM Device   **4**

TPM State

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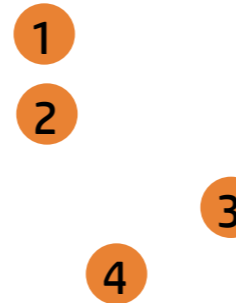
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Configuration Menu

Configuration

Language ①

Virtualization Technology ②

Fan Always On ③

Action Keys Mode ④

USB Charging ⑤

Battery Remaining TIme ⑥

Battery Care Function ⑦

Item Specific Help

1. Select the display language for the BIOS.

2. Hardware VT enables a 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. Sets the Fan Always On

4. Disabled: Requires pressing fn key + f1 through f12 to activate action keys
Enabled: Requires pressing only f1 through f12 to activate action keys

5. Allow the system to charge the USB Deice such as mobile phone in S4 (Hibernation) or S5 (off) state.

6. This item enables or disables the reporting of battery remaining time from the BIOS to the operating system. If disabled, the operating sustem displays battery life in a percentage only.

7. 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%.

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USB Charging   **5**

Battery Remaining TIme   **6**

Battery Care Function   **7**

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Configuration Menu

UEFI HII Configuration

1

2

Item Specific Help

1. Configure IPv4 network parameters.
   (MAC: 10E7C62944A5)

2. Configure IPv6 network parameters.
   (MAC: 10E7C62944A5)

Boot Options Menu

Post Hotkey Delay (sec) ①

USB Boot ②

Network Boot ③

Network Boot Protocol ④

Legacy Support ⑤

⑥

Platform Key   Enrolled MSFT

Pending Action   None

Load HP Factory Default Keys

Load MSFT Debug Policy Keys

UEFI Boot Order

⑦

Legacy Boot Order

         Notebook Hard Drive

Item Specific Help

1. 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 promt (beeping sound) for both the Administrator Password and power-On Password, set the POST Hotkey Delay (sec) options to 0.

2. Enable/Disable USB boot.

3. Enable/Disable network boot during boot time.

4. Select Network Boot Protocol using IPv4, IPv6 or IPv4+IPv6. When IPv4+IPv6 is selected, BIOS will use IPv4 first.

5. When Legacy Support Is enabled. BIOS will load Compatibility Support Module <CSM> to support Legacy OS such as Windows 7. Windows Vista. Windows XP und DOS. When legacy Support is disabled. BIOS will boot in UEFI Mode without CSM to support newer OS such as Windows 8.

6. When Secure Boot is enabled, BIOS performs cryptographic check during bootup, for the integrity of the software image. It prevents unauthorized or maliciously modified software from running.

7. Up and Down arrow keys select a device.< F5 > and < F6 > keys move the device down or up. The boot capability will be disabled if the Device is marked with an exclamation mark. When Legacy Support is enabled, UEFI boot order and Legacy boot order are both available and UEFI boot order has higher priority than Legacy boot order.

Boot Options Menu

Boot Options

Post Hotkey Delay (sec) (1)
USB Boot (2)
Network Boot (3)
Network Boot Protocol (4)
Legacy Support (5)
 (6)

Platform Key   Enrolled MSFT
Pending Action   None

Post Hotkey Delay (sec)

Load HP Factory Default Keys
Load MSFT Debug Policy Keys

UEFI Boot Order
 (7)

Legacy Boot Order
        Notebook Hard Drive

Item Specific Help

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Boot Options Menu

HP

Boot Options

Post Hotkey Delay (sec) ①
USB Boot ②
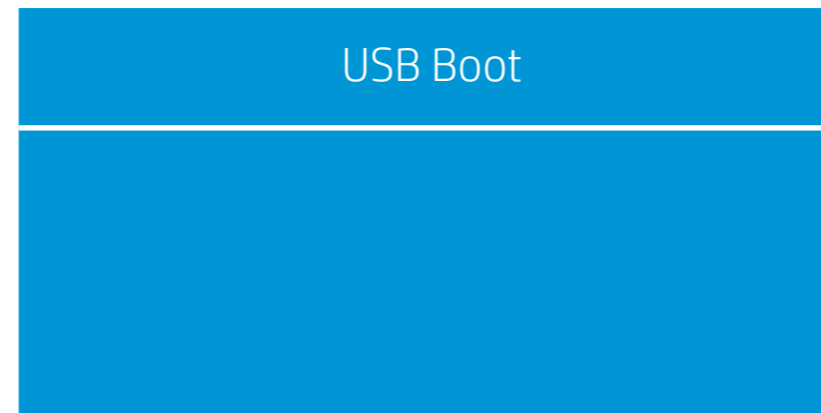Network Boot ③
Network Boot Protocol ④
Legacy Support ⑤
  ⑥

Platform Key   Enrolled MSFT
Pending Action   None

Load HP Factory Default Keys
Load MSFT Debug Policy Keys

UEFI Boot Order
  ⑦

Legacy Boot Order
    Notebook Hard Drive

USB Boot

Item Specific Help

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Boot Options Menu

Post Hotkey Delay (sec) ①
USB Boot ②
Network Boot ③
Network Boot Protocol ④
Legacy Support ⑤
⑥

Platform Key   Enrolled MSFT
Pending Action   None

Load HP Factory Default Keys
Load MSFT Debug Policy Keys

UEFI Boot Order
⑦

Legacy Boot Order
    Notebook Hard Drive

Network Boot

Item Specific Help

1. 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 promt (beeping sound) for both the Administrator Password and power-On Password, set the POST Hotkey Delay (sec) options to 0.

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Boot Options Menu

Boot Options

Post Hotkey Delay (sec) ①
USB Boot ②
Network Boot ③
Network Boot Protocol ④
Legacy Support ⑤
⑥

Platform Key   Enrolled MSFT
Pending Action   None

Load HP Factory Default Keys
Load MSFT Debug Policy Keys

UEFI Boot Order
⑦

Legacy Boot Order
        Notebook Hard Drive

Network Boot Protocol

Item Specific Help

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Boot Options Menu

Boot Options

HP

Post Hotkey Delay (sec) ①
USB Boot ②
Network Boot ③
Network Boot Protocol ④
Legacy Support ⑤
⑥

Platform Key   Enrolled MSFT
Pending Action   None

Load HP Factory Default Keys
Load MSFT Debug Policy Keys

UEFI Boot Order
⑦

Legacy Boot Order
        Notebook Hard Drive

Legacy Support

Item Specific Help

1. 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 promt (beeping sound) for both the Administrator Password and power-On Password, set the POST Hotkey Delay (sec) options to 0.

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Boot Options Menu

Boot Options

Post Hotkey Delay (sec)　①
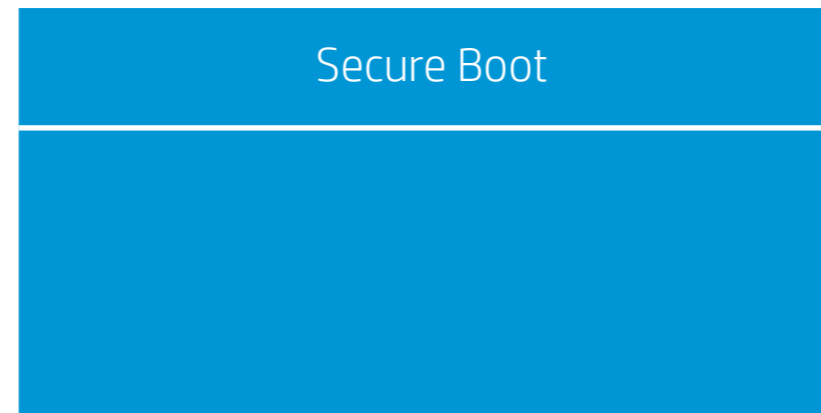USB Boot　②
Network Boot　③
Network Boot Protocol　④
Legacy Support　⑤
　⑥

Platform Key　Enrolled MSFT
Pending Action　None

Load HP Factory Default Keys
Load MSFT Debug Policy Keys

UEFI Boot Order
　⑦

Legacy Boot Order
　　Notebook Hard Drive

Secure Boot

Item Specific Help

1. 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 promt (beeping sound) for both the Administrator Password and power-On Password, set the POST Hotkey Delay (sec) options to 0.

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Boot Options Menu

Post Hotkey Delay (sec)   **1**
USB Boot   **2**
Network Boot   **3**
Network Boot Protocol   **4**
Legacy Support   **5**
                           6

Platform Key   Enrolled MSFT
Pending Action   None

Load HP Factory Default Keys
Load MSFT Debug Policy Keys

UEFI Boot Order
  ▶ OS Boot Manager   **7**

Legacy Boot Order
      Notebook Hard Drive

OS Boot Manager

Item Specific Help

1. 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 promt (beeping sound) for both the Administrator Password and power-On Password, set the POST Hotkey Delay (sec) options to 0.

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Exit Menu

Exit

Item Specific Help

1. Exit System Setup and save your changes to CMOS.

2. Exit utility without saving Setup data to CMOS.

3. Load default values for all SETUP items.

Exit Menu

①

②

③

Save Changes and Exit?

Item Specific Help

1. Exit System Setup and save your changes to CMOS.

2. Exit utility without saving Setup data to CMOS.

3. Load default values for all SETUP items.

Exit Menu

Ignore Changes and Exit ① ② ③

Ignore Changes and Exit

Item Specific Help

1. Exit System Setup and save your changes to CMOS.

2. Exit utility without saving Setup data to CMOS.

3. Load default values for all SETUP items.

Exit Menu

Exit

①

②

③

Load Setup Defaults?

Item Specific Help

1. Exit System Setup and save your changes to CMOS.

2. Exit utility without saving Setup data to CMOS.

3. Load default values for all SETUP items.