

# Interactive BIOS simulator

## HP Pavilion x360 Convertible 15-dq0xxx

Welcome to the interactive BIOS simulator for the  
HP Pavilion x360 Convertible 15-dq0xxx

### 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

System Time	[01:56:49]
System Date	01/30/2019
Product Name	HP Pavilion x360 Convertible 15-dq0xxx
System Family	HP Pavilion
Product Number	4810GC010004
System Board ID	85C8
Born On Date	00/00/0000
Processor Type	Intel(R) Core(TM) i5-8265U CPU @ 1.60GHz
Total Memory	8 GB
BIOS Vendor	Insyde
BIOS Version	B.07
Serial Number	ABC84603J5
UUID	FA38CEE6-EBD1-11E8-9350-802BF9753010
System Board CT Number	4550GC01D00384
Factory installed OS	Win10
Primary Battery SN	01053 09/07/2018
Build ID	19WW1CVT6af#SABA#DABA
Feature Byte	3K3Q 6b7B 7K7M 7WaB apaq asaw bCbV bhcb d6dU dpdq fP .gQ

1

2

### Item Specific Help

1. Provides firmware revision information of devices built in the system.
2. View System Log.

# Main Menu



## Main

Device Firmware Revision

Embedded Controller	34.09
Intel ME (Management Engine)	12.0.8.1123
Intel ISH (Integrated Sensor Hub)	3724
GOP (Graphic Output Protocol)	9.0.1082

Item Specific Help



# Security Menu



## Security

- Administrator Password
- Power-On Password
- Intel Software Guard Extensions (SGX)
- TPM Device

1

2

3

4

## Item Specific Help

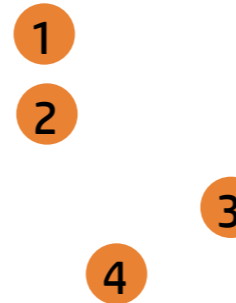
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2. Power-On Password prevents unauthorized computer system start (boot).
3. Enable/Disable Intel Software Guard Extensions (SGX)
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5. If the TPM device setting is set to Hidden, the BIOS hides this item. If the TPM Device setting changes from Hidden to Available, the BIOS makes this item visible immediately without a restart. The TPM state setting is saved when the TPM Device setting changes to Hidden and is restored when it is changed back to Available. The TPM State setting can change only if you confirm the request via the Physical Presence check prompted by the BIOS during the next startup.
6. If the TPM device setting is set to Hidden, the BIOS hides this item. The TPM can be cleared only when you confirm the request via the Physical Presence check prompted by the BIOS during the next startup. If you select Yes, the BIOS sends TPM2\_Clear to clear the Storage and Endorsement Hierarchy. Once the TPM is cleared, the BIOS disables TPM Power-on Authentication and sets the Clear TPM setting stays the same before and after the clear TPM operation. The Clear TPM settings is also set to No without any action taken if you select No for the Physical Presence check.
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.

# Security Menu



## Security

- Administrator Password
- Power-On Password
- Intel Software Guard Extensions (SGX)
- TPM Device



## Item Specific Help

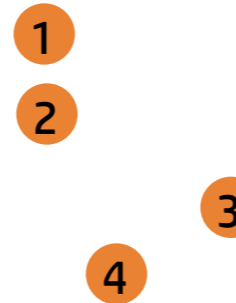
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# Security Menu



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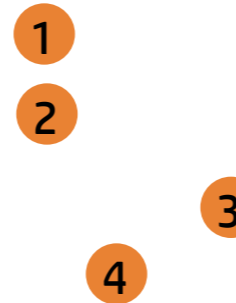


# Security Menu



## Security

- Administrator Password
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- Intel Software Guard Extensions (SGX)
- TPM Device



### Intel Software Guard Extensions (SGX)

## Item Specific Help

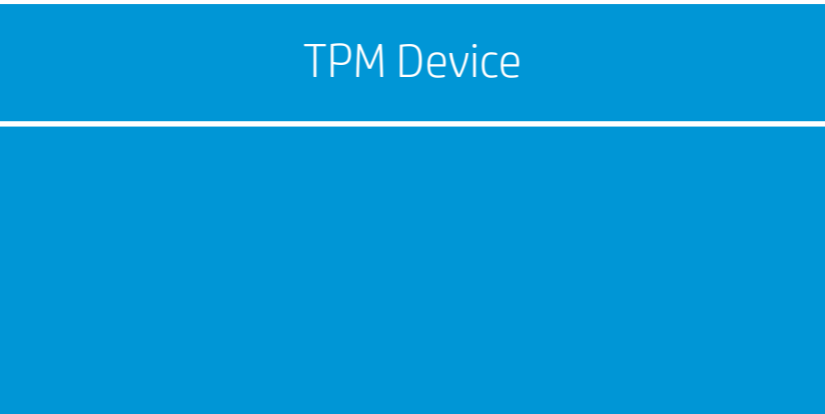
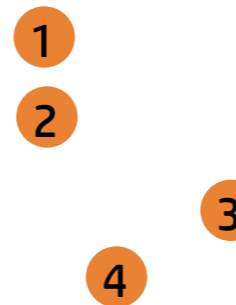
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# Security Menu



## Security

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## Item Specific Help

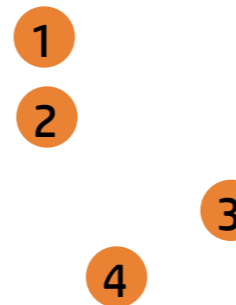
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# Security Menu



## Security

- Administrator Password
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- TPM Device



### TPM State

## Item Specific Help

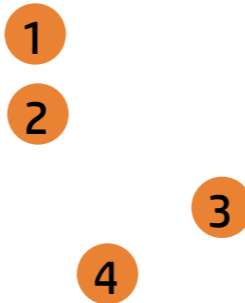
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7. This option will restore all the security settings to factory defaults. For example, TPM device will be cleared and set to default shipping state.

# Security Menu



## Security

- Administrator Password
- Power-On Password
- Intel Software Guard Extensions (SGX)
- TPM Device



Clear TPM

## Item Specific Help

1. Administrator Password prevents unauthorized access to the Setup Utilities.
2. Power-On Password prevents unauthorized computer system start (boot).
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 setting is set to Hidden, the BIOS hides this item. If the TPM Device setting changes from Hidden to Available, the BIOS makes this item visible immediately without a restart. The TPM state setting is saved when the TPM Device setting changes to Hidden and is restored when it is changed back to Available. The TPM State setting can change only if you confirm the request via the Physical Presence check prompted by the BIOS during the next startup.
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## Security

- Administrator Password
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## Item Specific Help

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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.

# Configuration Menu




## Configuration

- Language 1
- Virtualization Technology 2
- Fan Always On 3
- Action Keys Mode 4
- Battery Remaining Time 5

### Item Specific Help

1. Select the display language for the BIOS.
2. Enable Virtualization Technology Support. A Power Cycle is required for a change to be activated.
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. 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.

# Configuration Menu



Configuration

- Language 1
- Virtualization Technology 2
- Fan Always On 3
- Action Keys Mode 4
- Battery Remaining Time 5

Language

Item Specific Help

1. Select the display language for the BIOS.
2. Enable Virtualization Technology Support. A Power Cycle is required for a change to be activated.
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. 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.

# Configuration Menu



## Configuration

- Language 1
- Virtualization Technology 2
- Fan Always On 3
- Action Keys Mode 4
- Battery Remaining Time 5

Virtualization Technology

### Item Specific Help

1. Select the display language for the BIOS.
2. Enable Virtualization Technology Support. A Power Cycle is required for a change to be activated.
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. 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.



# Configuration Menu



## Configuration

- Language 1
- Virtualization Technology 2
- Fan Always On 3
- Action Keys Mode 4
- Battery Remaining Time 5

Fan Always On

### Item Specific Help

1. Select the display language for the BIOS.
2. Enable Virtualization Technology Support. A Power Cycle is required for a change to be activated.
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. 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.

# Configuration Menu



## Configuration

- Language 1
- Virtualization Technology 2
- Fan Always On 3
- Action Keys Mode 4
- Battery Remaining Time 5

Action Keys Mode

### Item Specific Help

1. Select the display language for the BIOS.
2. Enable Virtualization Technology Support. A Power Cycle is required for a change to be activated.
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. 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.

# Configuration Menu



## Configuration

- Language 1
- Virtualization Technology 2
- Fan Always On 3
- Action Keys Mode 4
- Battery Remaining Time 5

Battery Remaining Time

### Item Specific Help

1. Select the display language for the BIOS.
2. Enable Virtualization Technology Support. A Power Cycle is required for a change to be activated.
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. 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.

# Configuration Menu



## Configuration

UEFI HII Configuration

### Item Specific Help

1. This formset allows the user to manage RAID volumes on the Intel(R) RAID Controller

# Configuration Menu




## Configuration

Intel(R) RST 16.5.0.3492 RAID Driver

No disks connected to system

Item Specific Help

# Boot Options Menu



Post Hotkey Delay (sec)

USB Boot **1**

Network Boot **2**

Network Boot Protocol **3**

Legacy Support **4**

Platform Key **5** Enrolled MSFT

Pending Action None

Load HP Factory Default Keys

Load MSFT Debug Policy Keys

UEFI Boot Order

- ▶ OS Boot Manager
- Internal CD/DVD ROM Drive

Legacy Boot Order

- ▶ Internal Hard Drive
- Internal CD/DVD ROM Drive

Item Specific Help

1. Enable/Disable USB boot.
2. Enable/Disable network boot during boot time.
3. Select Network Boot Protocol using IPv4, IPv6 or IPv4+IPv6. When IPv4+IPv6 is selected, BIOS will use IPv4 first.
4. 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. System might be unable to boot Into operating system after changing this setting.
5. Secure Boot flow control. Secure Boot is possible only if System runs in User Mode.

# Boot Options Menu

The screenshot shows the HP BIOS Boot Options menu. The HP logo is in the top left. The menu items are: Post Hotkey Delay (sec), USB Boot, Network Boot, Network Boot Protocol, Legacy Support, Platform Key, Pending Action, Enrolled MSFT, None, Post Hotkey Delay (sec), Load HP Factory Default Keys, Load MSFT Debug Policy Keys, UEFI Boot Order (with sub-items OS Boot Manager and Internal CD/DVD ROM Drive), Legacy Boot Order (with sub-items Internal Hard Drive and Internal CD/DVD ROM Drive). A 'Boot Options' tab is highlighted at the top. A 'Post Hotkey Delay (sec)' sub-menu is open, showing a blue bar with the text 'Post Hotkey Delay (sec)'. Five numbered callouts (1-5) are placed over the menu items: 1 over USB Boot, 2 over Network Boot, 3 over Network Boot Protocol, 4 over Legacy Support, and 5 over Enrolled MSFT.

**hp**

**Boot Options**

Post Hotkey Delay (sec)

USB Boot

Network Boot

Network Boot Protocol

Legacy Support

Platform Key

Pending Action

Enrolled MSFT

None

Post Hotkey Delay (sec)

Load HP Factory Default Keys

Load MSFT Debug Policy Keys

UEFI Boot Order

- ▶ OS Boot Manager
- Internal CD/DVD ROM Drive

Legacy Boot Order

- ▶ Internal Hard Drive
- Internal CD/DVD ROM Drive

**Item Specific Help**

1. Enable/Disable USB boot.
2. Enable/Disable network boot during boot time.
3. Select Network Boot Protocol using IPv4, IPv6 or IPv4+IPv6. When IPv4+IPv6 is selected, BIOS will use IPv4 first.
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# Boot Options Menu

**hp**

**Boot Options**

Post Hotkey Delay (sec)

USB Boot **1**

Network Boot **2**

Network Boot Protocol **3**

Legacy Support **4**

Platform Key

Pending Action

Enrolled MSFT **5**

None

Load HP Factory Default Keys

Load MSFT Debug Policy Keys

UEFI Boot Order

- ▶ OS Boot Manager
- Internal CD/DVD ROM Drive

Legacy Boot Order

- ▶ Internal Hard Drive
- Internal CD/DVD ROM Drive

USB Boot

**Item Specific Help**

1. Enable/Disable USB boot.
2. Enable/Disable network boot during boot time.
3. Select Network Boot Protocol using IPv4, IPv6 or IPv4+IPv6. When IPv4+IPv6 is selected, BIOS will use IPv4 first.
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# Boot Options Menu

**hp**

**Boot Options**

Post Hotkey Delay (sec)  
USB Boot  
Network Boot  
Network Boot Protocol  
Legacy Support

Platform Key  
Pending Action

Enrolled MSFT  
None

Load HP Factory Default Keys  
Load MSFT Debug Policy Keys

UEFI Boot Order  
▶ OS Boot Manager  
Internal CD/DVD ROM Drive

Legacy Boot Order  
▶ Internal Hard Drive  
Internal CD/DVD ROM Drive

**Network Boot**

1  
2  
3  
4  
5

**Item Specific Help**

1. Enable/Disable USB boot.
2. Enable/Disable network boot during boot time.
3. Select Network Boot Protocol using IPv4, IPv6 or IPv4+IPv6. When IPv4+IPv6 is selected, BIOS will use IPv4 first.
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# Boot Options Menu

**hp**

**Boot Options**

Post Hotkey Delay (sec)  
USB Boot  
Network Boot  
Network Boot Protocol  
Legacy Support

Platform Key  
Pending Action

Enrolled MSFT  
None

Load HP Factory Default Keys  
Load MSFT Debug Policy Keys

UEFI Boot Order  
▶ OS Boot Manager  
Internal CD/DVD ROM Drive

Legacy Boot Order  
▶ Internal Hard Drive  
Internal CD/DVD ROM Drive

**Network Boot Protocol**

**Item Specific Help**

1. Enable/Disable USB boot.
2. Enable/Disable network boot during boot time.
3. Select Network Boot Protocol using IPv4, IPv6 or IPv4+IPv6. When IPv4+IPv6 is selected, BIOS will use IPv4 first.
4. 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. System might be unable to boot into operating system after changing this setting.
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# Boot Options Menu

**hp**

**Boot Options**

Post Hotkey Delay (sec)

USB Boot **1**

Network Boot **2**

Network Boot Protocol **3**

Legacy Support **4**

Platform Key

Pending Action

Enrolled MSFT **5**

None

Load HP Factory Default Keys

Load MSFT Debug Policy Keys

UEFI Boot Order

▶ OS Boot Manager

Internal CD/DVD ROM Drive

Legacy Boot Order

▶ Internal Hard Drive

Internal CD/DVD ROM Drive

**Legacy Support**

**Item Specific Help**

1. Enable/Disable USB boot.
2. Enable/Disable network boot during boot time.
3. Select Network Boot Protocol using IPv4, IPv6 or IPv4+IPv6. When IPv4+IPv6 is selected, BIOS will use IPv4 first.
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# Boot Options Menu

**hp**

**Boot Options**

Post Hotkey Delay (sec)  
USB Boot  
Network Boot  
Network Boot Protocol  
Legacy Support

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Pending Action

Enrolled MSFT  
None

Load HP Factory Default Keys  
Load MSFT Debug Policy Keys

UEFI Boot Order  
▶ OS Boot Manager  
Internal CD/DVD ROM Drive

Legacy Boot Order  
▶ Internal Hard Drive  
Internal CD/DVD ROM Drive

**Secure Boot**

**Item Specific Help**

1. Enable/Disable USB boot.
2. Enable/Disable network boot during boot time.
3. Select Network Boot Protocol using IPv4, IPv6 or IPv4+IPv6. When IPv4+IPv6 is selected, BIOS will use IPv4 first.
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5. Secure Boot flow control. Secure Boot is possible only if System runs in User Mode.

# Exit Menu



Exit

Ignore Changes and Exit <sup>1</sup> <sup>2</sup> <sup>3</sup>

## 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

Ignore Changes and Exit <sup>1</sup> <sup>2</sup> <sup>3</sup>

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



Exit

Ignore Changes and 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.