

Interactive BIOS simulator

HP Spectre 16 x360 Convertible PC

Welcome to the interactive BIOS simulator for the
HP Spectre 16 x360 Convertible PC

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	[22:02:59]
System Date	[07/27/2021]
Product Name	HP Spectre x360 2-in-1 Laptop 16-f0xxx
System Family	HP Spectre
Product Number	540HPT6#ABA
System Board ID	891A
Processor Type	11th Gen Intel(R) Core(TM) i7-11390H @ 3.40GHz
Total Memory	16 GB
BIOS Vendor	Insyde
BIOS Revision	B.08.TPDL4
Serial Number	CND11818GC
UUID	043A502D-30A6-EB11-810A-14CB19D0BFAD
System Board CT Number	PXXXXA11UF5J8K
Factory installed OS	Win10
Primary Battery SN	01174 04/14/2021
Build ID	21WW2FAT6aj#SABA#DABA
Feature Byte	3K3X 476b 7NaB aHap aqaw bVbh bzc b dUdp dqfP hAhZ kFkH m9 .RG

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	82.18
Intel ME (Management Engine)	15.0.30.1716
Intel ISH (Integrated Sensor Hub)	5.4.1.4468
GOP (Graphic Output Protocol)	17.0.1060
USB Type-C Controller(s)	00.35
Thunderbolt Controller(s)	14.0.0.4100
Thunderbolt Retimer	2.17

Item Specific Help

Security Menu



Security

Administrator Password

1

Power-On Password

2

HP SpareKey

HP SpareKey Enrollment

TPM Device

3

Item Specific Help

1. Administrator Password prevents unauthorized access to the Setup Utilities.
2. Power-On Password prevents unauthorized computer system start (boot).
3. If the item is set to Hidden, the TPM device is not visible to the operating system.
4. 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.
5. 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.
6. 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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TPM State

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TPM Device

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Clear TPM

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Configuration Menu



Configuration

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- Virtualization Technology 2
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- Action Keys Mode 5
- USB Charging 6
- Battery Remaining Time 7
- Adaptive Battery Optimizer 8
- Keyboard Backlight Timeout 9

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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.
3. Enables a single processor core to execute two or more threads concurrently.
4. Set the Fan Always On
5. Disabled: Requires pressing fn key + f1 through f12 to activate action keys
Enabled: Requires pressing only f1 through f12 to activate action keys
6. Allow the system to charge the USB device such as mobile phone in S4 (Hibernation) or S5 (off) state.
7. 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.
8. Dynamic battery protection to optimize battery pack longevity.
9. Set the Keyboard backlight to turn off after specified period of internal Keyboard/Touch Pad inactivity
10. All USB devices on the dock will connect at USB 2.0 speed, and the Gigabit NIC will experience reduced performance when high resolution mode is enabled.
11. The PC will detect when it is put in a bag or backpack and go into hibernation mode automatically.
12. Auto resume from S4/S5 when lid is opened

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Configuration

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Language

Item Specific Help

Configuration Menu



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Virtualization Technology

Item Specific Help

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Fan Always On

Item Specific Help

Configuration Menu



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Hyper-Threading

Item Specific Help

Configuration Menu



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In-bag detection

Item Specific Help

Configuration Menu



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Item Specific Help

Action Keys Mode

Configuration Menu



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Item Specific Help

Keyboard Backlight Timeout

Configuration Menu



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Item Specific Help

USB Charging

Configuration Menu



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- Auto resume

Item Specific Help

Battery Remaining Time

Configuration Menu



Configuration

- Language
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- Hyper-Threading
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- Action Keys Mode
- USB Charging
- Battery Remaining Time
- Adaptive Battery Optimizer
- Keyboard Backlight Timeout

- High resolution mode on USB-C DP alt mode dock
- In-bag detection
- Auto resume

Item Specific Help

Adaptive Battery Optimizer

Configuration Menu



Configuration

UEFI HII Configuration

Item Specific Help

Configuration Menu



Configuration

- Language
- Virtualization Technology
- Hyper-Threading
- Fan Always On
- Action Keys Mode
- USB Charging
- Battery Remaining Time
- Adaptive Battery Optimizer
- Keyboard Backlight Timeout

- High resolution mode on USB-C DP alt mode dock
- In-bag detection
- Auto resume

Item Specific Help

High resolution mode on USB-C DP alt mode dock

Configuration Menu



Configuration

- Language
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- Hyper-Threading
- Fan Always On
- Action Keys Mode
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- Battery Remaining Time
- Adaptive Battery Optimizer
- Keyboard Backlight Timeout

- High resolution mode on USB-C DP alt mode dock
- In-bag detection
- Auto resume

Auto Resume

Item Specific Help

Configuration Menu



Configuration

Intel(R) RST 18.1.1.5201 RST VMD Driver

Non-RAID Physical Disks:

Item Specific Help

Configuration Menu




Configuration

RAID VOLUME INFO

Port:	0.0
Model Number:	WDC PC SN730 SDBPNTY-512G-1006
Serial Number:	476.9GB
Status:	Non-RAID
Controller Type:	NVMe
Controller Interface:	PCIe

Item Specific Help

Boot Options Menu



Post Hotkey Delay (sec)

USB Boot **1**

Network Boot **2**

Network Boot Protocol **3**

Platform Key **4** Enrolled MSFT

Pending Action None

Load HP Factory Default Keys

Load MSFT Debug Policy Keys

UEFI Boot Order

- ▶ OS Boot Manager

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. Secure Boot flow control. Secure Boot is possible only if System runs in User Mode.

Boot Options Menu

hp

Boot Options

- Post Hotkey Delay (sec)
- USB Boot
- Network Boot
- Network Boot Protocol
- Platform Key
- Pending Action
- Load HP Factory Default Keys
- Load MSFT Debug Policy Keys
- UEFI Boot Order
 - ▶ OS Boot Manager
 - Internal CD/DVD ROM Drive

Enrolled MSFT

None

Post Hotkey Delay (sec)

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Platform Key

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Enrolled MSFT **4**

None

Load HP Factory Default Keys

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UEFI Boot Order

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

USB Boot

Item Specific Help

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UEFI Boot Order

▶ OS Boot Manager

Internal CD/DVD ROM Drive

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Platform Key Enrolled MSFT **4**

Pending Action None

Load HP Factory Default Keys

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UEFI Boot Order

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

Secure Boot

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4. Secure Boot flow control. Secure Boot is possible only if System runs in User Mode.

Exit Menu



Exit

Ignore Changes and Exit ¹ ² ³

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

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.