

Interactive BIOS simulator

HP EliteBook x360 1030 G3

Welcome to the interactive BIOS simulator for the
HP EliteBook x360 1030 G3

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

Advanced

UEFI Drivers



Item Specific Help

Suppress POST Errors



BASIC SYSTEM INFORMATION

| | |
|--------------|--|
| Product Name | HP EliteBook x360 1030 G3 |
| Processor 1 | Intel(R) Core(TM) i5-8350U CPU@1.70GHz |
| Memory Size | 8192 MB |
| System BIOS | Q90 Ver.80.34.00 03/13/2018 |

SERVICE -----

| | |
|--------------------------------------|--------------------------------------|
| Born On Date | 05/12/2018 |
| Serial Number | 5CD81119BD |
| SKU Number | YOPSKU8#ABA |
| Universally Unique Identifier (UUID) | E59D039B-62C1-C152_BF52-894BA3BDF70C |
| Asset Tracking Number | 5CD81119BD |

Item Specific Help

Help



Product Name HP EliteBook x360 1030 G3
Memory Size 8192 MB

PROCESSOR 1 -----

ProcessorType Intel(R) Core(TM) i5-8350U CPU@1.70GHz
Cache Size (L1/L2/L3) 256 KB / 1MB / 6MB
Processor Speed 1600 MHz
MicroCode Revision 84
Processor Stepping A
Memory Speed 2133 MHz
Bottom-Slot 1(left) 4 GB Micron
Bottom-Slot 2(right) 4 GB Micron

Item Specific Help

Help



FIRMWARE -----

| | |
|--|-----------------------------|
| System BIOS | Q90 Ver.80.34.00 03/13/2018 |
| ME Firmware Version | 11.8.50.3425 |
| ME Firmware Mode | Enabled |
| Video BIOS Version | INTEL(R) VBIOS [9.0.1051] |
| Reference Code Revision | 3.0.0 |
| Embedded Controller Firmware Version | 14.1E.62 |
| USB Type-C Controller(s) Firmware Version: | CCG5:6.12.0 |

Item Specific Help

Help



SERVICE -----

| | |
|--------------------------------------|---|
| Born On Date | 06/12/2018 |
| Serial Number | 5CD81119BD |
| SKU Number | YOPSKU8#ABA |
| Universally Unique Identifier (UUID) | E59D039B-62C1-C152-BF52-894BA3BDF70C |
| Asset Tracking Number | 5CD81119BD |
| Feature Byte | 3X476J6b7B7H7M7RW7m9AaBaEapaqauawbVbhAdUdpdqfXgdguhKhW.3Y |
| Build ID | 18WWBUAT6au#SABA#DABA |
| Product Family | 103C_5336AN HP EliteBook x360 |
| System Board ID | 8438 |
| System Board CT Number | PYOPEAD8JAI046 |
| Primary Battery Serial Number | 01075 2018/02/03 |

Item Specific Help

Help



HP PC Hardware Diagnostics UEFI

Please select a Language.

English

Cestina

Dansk

Deutsch

Nederlands

Espanol

eesti keel

Suomi

Francais

Hrvatski

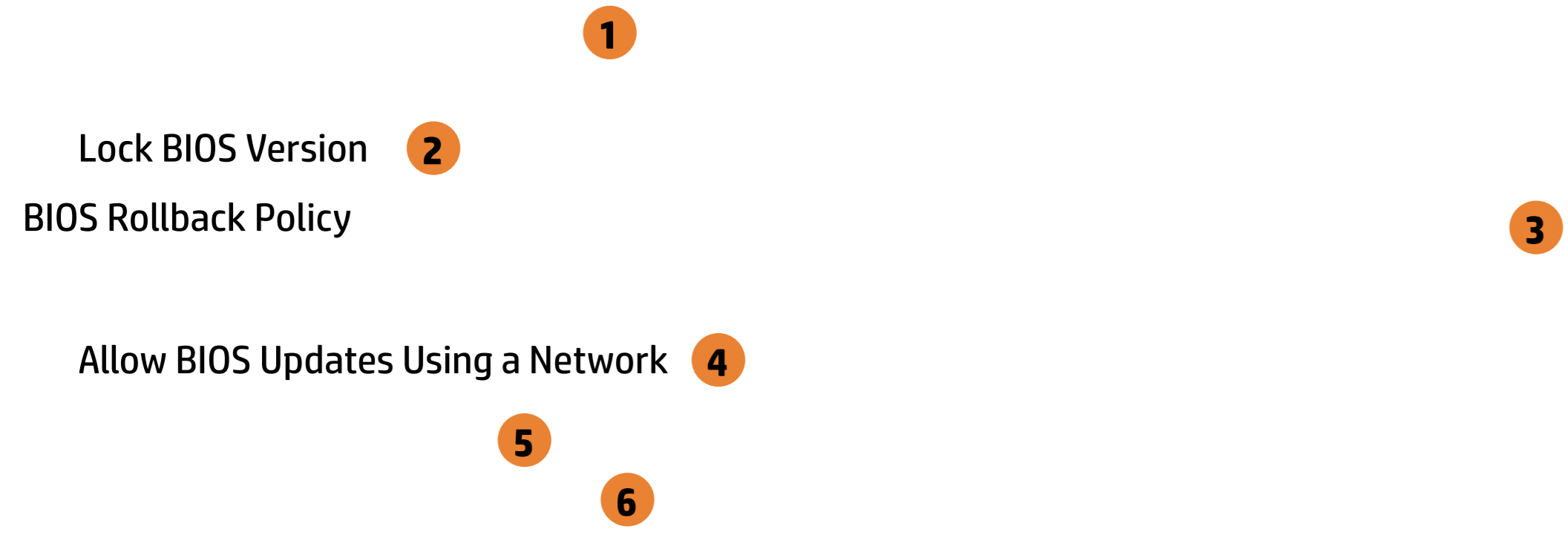
Magyar





Update System BIOS

| | |
|------------------------------------|------------------|
| Current System BIOS Version: | Q90 Ver.80.34.00 |
| Current BIOS Release Date: | 03/13/2018 |
| Installation Date of Current BIOS: | 03/14/2018 |
| Most Recent Update Check: | Never Checked |



Item Specific Help

- 1. Check HP.com for BIOS Updates**
Checks for the latest BIOS release revision on the network, and lets the user decide whether to download the BIOS image and update System.
- 2. Lock BIOS Version**
If not selected, then BIOS updates are allowed, if selected then updates to BIOS are not allowed.
- 3. Click on the field to see the options.*
- 4. Allow BIOS Updates Using a Network**
Enable/Disable automatic BIOS updates through the network in a scheduled basis.
- 5. BIOS Update Preferences**
Sets the configurations to perform BIOS updates through the network.
- 6. Network Configuration Settings**
Configure network settings to be used for download and upload.

Help



Network BIOS Update

MS Windows Bitlocker Drive Encryption (BDE) may be enabled on your system. HP requires that BDE be suspended temporarily before the BIOS is flashed and that you obtain your BDE recovery password or recovery PIN before suspending BDE. After the BIOS is updated, BDE can be resumed.



BIOS Update Preferences

Check for Update on Next Reboot **1**

BIOS Source

2

Automatic BIOS Update Setting

3

BIOS Update Frequency

4

Help

Item Specific Help

1. Check for Update on Next Reboot

Enable/Disable an automatic BIOS check on next reboot.

2. BIOS Source

Choose one of the available options.
Click on the field to see the options.

Automatic BIOS Update Setting

Choose one of the available options.
Click on the field to see the options.

3. BIOS Update Frequency

Choose one of the available options.



Network Configuration Settings

Proxy Server **1**

2

IPv4 Configuration

→ [IPv4 Subnet Mask](#)

→ [IPv4 Gateway](#)

3

DNS Configuration

4

Data transfer timeout

100

Force HTTP no-cache **5**

Help

Item Specific Help

- 1. Proxy Server**
Enable/Disable the use of a proxy server.
- 2. Test Network Connection**
Check the network connection using current BIOS update configuration.
Click on the field to see the options.
- 3. IPv4 Configuration**
Setup for static IPv4 address.
Click on the field to see the options.
- 4. DNS Configuration**
Configure a list of DNS addresses.
- 5. Force HTTP no-cache**
Disable HTTP caching.



Change Date And Time

Set Date (MM/DD/YYYY)

06/25/2018

Set Time (HH:MM):

13:20

Item Specific Help

Help

Main



HP Computer Setup

Item Specific Help

Help



Feature Byte

Current Setting: 3X476J6b7B7H7M7RW7m9AaBaEapaqauawbVbhcAdUdpdqfXgdguhKhW.3Y



Build ID

Current Setting: 18WWBUAT6au#SABA#DABA

Press the space key followed by the enter key to clear current setting



Serial Number

Current Setting: 5CD81119BD

Press the space key followed by the enter key to clear current setting



SKU Number

Current Setting: YOPSKU8#ABA

Press the space key followed by the enter key to clear current setting



Product Family

Current Setting: 103C_5336AN HP EliteBook x360

Press the space key followed by the enter key to clear current setting



System Board CT Number

Current Setting: PYOPEAD8JAI046

Press the space key followed by the enter key to clear current setting



Product Name

Current Setting: HP EliteBook x360 1030 G3

Press the space key followed by the enter key to clear current setting

Main



HP Computer Setup

System IDs

Item Specific Help

Help



Asset Tracking Number

Current Setting: 5CD81119BD

Press the space key followed by the enter key to clear current setting



Ownership Tag

Current Setting:

Press the space key followed by the enter key to clear current setting

Main



HP Computer Setup

Replicated Setup

Item Specific Help

Help



Administrator Tools

1

Fingerprint Reset on Reboot

Security Configuration

Intel Software Guard Extension (SGX)

2

Utilities

Absolute® Persistence Module Current State

Activation Status : Inactive

Absolute® Persistence Module Permanent Disable : No

System Management Command

Item Specific Help

1. Create BIOS Administrator Password

The Administrator password controls access to the following features:

- Setup Menu (F10)
- 3rd Party Option ROM Management (F3)
- Update System ROM
- WMI Commands that change system settings
- BIOS Configuration Utility (BCU)
- Alternative Power-On Password

2. Intel Software Guard Extensions (SGX)

Enable/Disable Software Guard Extensions (SGX)



BIOS Administrator Password

Enter BIOS Administrator Password



POST Power-On Password

Enter POST Power-On Password

Password Policies

Password Maximum Length

At least one symbol is required in Administrator and User passwords

At least one number is required in Administrator and User passwords

At least one upper case character is required in Administrator and User passwords

At least one lower case character is required in Administrator and User passwords

Are spaces allowed in Administrator and User passwords?



TPM Embedded Security

TPM Specification Version

2.0

TPM Device

1

TPM State 2

Clear TPM

TPM Activation Policy

Item Specific Help

1. TPM Device

Exposes the integrated Trusted Platform Module (TPM) for use.

Click on the field to see the options.

TPM State

Enables the integrated Trusted Platform Module (TPM).

BIOS Sure Start

Verify Boot Block on every boot

BIOS Data Recovery Policy

Dynamic Runtime Scanning of Boot Block

Sure Start BIOS Settings Protection **1**

Sure Start Secure Boot Keys Protection

Enhanced HP Firmware Runtime Intrusion Prevention and Detection **2**

Sure Start Security Even Policy

Sure Start Security Event Boot Notification

3

Item Specific Help

1. Sure Start BIOS Settings Protection

When enabled, HP Sure Start will lock all critical BIOS settings and provide enhanced protection for these settings via the HP Sure Start non-volatile (flash) memory

- The BIOS administrator credentials must be set to enable this setting
- See HP Sure Start documentation for details on which BIOS settings are protected

2. Enhanced HP Firmware Runtime Intrusion Prevention and Detection

- Enables monitoring of HP system firmware executing out of main memory while the user Operating System is running.
- Any anomalies detected in HP System firmware that is active while the user operating system is running will result in a Sure Start Security Event being generated. *Click on the field to see the options.*

3. Sure Start Security Event Policy

This setting controls HP Sure Start behavior upon identifying a critical security event (any modification to HP firmware) during OS runtime.

- Log event only - HP Sure Start will log all critical security events in the HP Sure Start Audit log within the HP Sure Start non-volatile (flash) memory
- Log Event and notify user: In addition to logging all critical security events. HP Sure Start will notify the user within the operating system that a critical event has occurred
- Log Event and power off system: In addition to logging all critical events. HP Sure Start will power off the system upon detecting a HP Sure Start Security Event. Due to the potential for data loss, use of this setting is only recommended in situations where security integrity of the system is a higher priority than the risk of potential data loss



Security

HP Computer Setup

Secure Platform Management (SPM)

NOTE: Some actions may not be selectable due to a pending password change.

SPM

SPM Current State: Not provisioned

HP Sure run

HP Sure Run Current State: Inactive

Item Specific Help



Hard Drive Utilities

Save/Restore MBR of the system hard drive is only available with drives that have a Master Boot Record.

Save/Restore GPT of System Hard Drive **1**

Boot Sector (MBR/GPT) Recovery Policy

Allow OPAL Hard Drive SID Authentication

Item Specific Help

- 1. Save/Restore GPT of System Hard Drive**
Enabling this feature will save the GUID Partition table (GPT) of the system Hard Drive. If the GPT is subsequently changed the user will be prompted to choose whether to restore GPT.

Help



Security

HP Computer Setup

Select a Drive

Item Specific Help

Help



Security

HP Computer Setup

Select a Drive

Item Specific Help

Help



Security

HP Computer Setup

Are you sure you want to restore settings to default?

Item Specific Help



1

Remote HP PC Hardware Diagnostics

2

3

Item Specific Help

1. Port Options

Enable/Disable Port Settings

2. Settings

Set the configuration for Remote HP PC Hardware Diagnostics, including the URLs used for download and upload, the scheduled execution frequency, etc.

3. Execute Remote HP PC Hardware Diagnostics

Immediate execution of Remote HP PC Hardware Diagnostics based on the configurations is Settings option. Note that any unsaved BIOS settings are lost.



Advanced

HP Computer Setup

Display Language

Select Language

Select Keyboard Layout

Item Specific Help



Advanced

HP Computer Setup

Scheduled Power-On

Sunday **1**

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Hour 0

Minute 0

Item Specific Help

1. Days

Enable the days of the week to turn the system on. This feature wakes the system up from a powered off state.



Advanced

HP Computer Setup

Boot Options

Startup Delay (sec.)

Fast Boot

USB Storage Boot

Network (PXE) Boot

Power On When AC Detected

Power On When Lid is Opened

Prompt on Battery Errors

Prompt on Fixed Storage Change

Audio Alerts During Boot

NumLock on at boot

UEFI Boot Order

SATA2: Windows Boot Manager

USB:

Legacy Boot Order

USB:

SATA2: SanDisk SD9SN9W-128G-1006

Item Specific Help



Advanced

HP Sure Recover

- HP Sure Recover **1**
- Recover from Network **2**
- Recover after Boot Failure **3**

Recover Agent

URL: ftp://ftp.hp.com/pub/pcbios/CPR
Username:
Provisioning Version: 0

Recovery Image

URL:
Username:
Provisioning Version: 0

Item Specific Help

1. HP Sure Recover

If this setting is enabled, the system firmware will honor local and remote requests to reinstall the OS. If it is disabled, all requests to reinstall the OS will be ignored.

2. Recover from Network

If this setting is enabled, the system firmware will obtain the recovery agent from the network. Otherwise, the system firmware will obtain the recovery agent from a local drive.

3. Recover after Boot Failure

If this setting is enabled and no bootable UEFI OS is found, the system firmware will launch HP Sure Recover.



Advanced

HP Computer Setup

Secure Boot Configuration

Configure Legacy Support and Secure Boot

Secure Boot Key Management

- Import Custom Secure Boot keys

- Clear Secure Boot keys

- Reset Secure Boot keys to factory defaults

- Enable MS UEFI CA key

Access to the above settings requires Sure Start Secure Boot Keys Protection to be disabled

Ready BIOS for Device Guard Use

Requires BIOS Administrator credentials to be configured and Secure Boot to be enabled.

Item Specific Help



Advanced

System Options

Turbo-Boost

Hyperthreading **1**

Multi_processor

Virtualization Technology (VTx)

Virtualization Technology for Directed I/O (VTd)

Fast Charge

Power Button Protection

USB Type-C Connector System Software Interface (UCSI) **3**

Swap Fn and Ctrl (Keys)

Enable Turbo Boost on DC

Dynamic Platform and Thermal Framework (DPTF)

2

Item Specific Help

1. Hyperthreading

Permits the user to control the processor capability

2. Power Button Protection

This feature ensures that unintentional activation of the power button while it is being transported in a bag does not cause the system to wake up.

On Battery Only: Power button is only disabled when the lid is closed, the system is in a low power state, and no power external power source is present.

Always: Power button is always disabled when the lid is closed.

Never: Power button is enabled always when this lid is closed.

3. USB Type-C Connector System Software Interface (UCSI)

The UCSI option should be disabled if booting a Microsoft Windows 10 version before 1709 to avoid system stability issues.



Advanced

Built-In Device Options

Video memory size

Audio Device **1**

Microphone

Internal Speakers

Headphone Output

Wake on Voice (WoV)

WWAN Quick Connect

Wireless Network Device (WLAN)

Bluetooth

Mobile Network Device (WWAN) and GPS Combo Device

HP LAN-Wireless Protection

LAN/WLAN Auto Switching

LAN/WWAN Auto Switching

Fan Always on while on AC Power

Boost Converter

Backlist keyboard timeout

Automatic keyboard Backlit

Integrated Camera

Fingerprint Device

Touch Device

Disable battery on next shut down

Item Specific Help

1. Audio Device

Hides the Audio device from OS

2. Disable battery on next shut down

Set this item to 'Next shut down' to disconnect the battery.

This is to maintain battery life in situations where the system will not be used for long periods of time.

Once in this state, AC power must be disconnected and reconnected to turn the system back on.



Advanced

HP Computer Setup

Port Options

Left USB Ports **1**

USB Legacy Port Charging **2**

Disable Charging Port in sleep/off if battery below (%): 10

Thunderbolt Type-C Ports

Requires BIOS PW to change Thunderbolt Security Level

Thunderbolt Security Level

Native PCIe Hot plug

Thunderbolt S4 Boot is disable due to Native PCIe Hot plug enabled

Thunderbolt Mode

Item Specific Help

1. Right USB Ports

Hides the right USB ports from the OS

2. USB Legacy Port Charging

Enable USB Charging port for charging capability when system Hibernate/Shutdown



Advanced

HP Computer Setup

Option ROM Launch Policy

Configure Option ROM Launch Policy

1

Item Specific Help

- 1. Configure Option ROM Launch Policy**
Configure the launching of EFI versus Legacy Option ROM's



Advanced

Power Management Options

Runtime Power Management **1**

Extended Idle Power States **2**

Deep sleep

Power control

Item Specific Help

- 1. Runtime Power Management**
Enables Runtime Power Management.
- 2. Extended Idle Power States**
Increases the OS's Idle Power Savings.



Advanced

HP Computer Setup

Electronic Labels

Item Specific Help



Remote Management Options

Active management (AMT) **1**

USB Key Provisioning Support **2**

USB Redirection Support

Unconfigure AMT on next boot **3**

SOL Terminal Emulation Mode

Show Unconfigure ME Confirmation Prompt

Verbose Boot Messages

Watchdog Timer **4**

OS Watchdog Timer (min.) **5**

BIOS Watchdog Timer (min.) **5**

CIRA Timeout (min)

Item Specific Help

1. Intel Management Engine (ME)

Enabled by default. [Help Icon] = "This option allows for a user to disable the Intel Management Engine, which disables Intel Active Management Technology and all underlying Intel ME technologies. This option also disables ME functions that allow for ME firmware updates. It is suggested to periodically enable this option to update ME firmware, as the ME firmware may contains platform stability fixes.

2. Intel Active Management Technology (AMT)

This option allows for a user to enable Intel Active Management Technology, which is tied to all ME-regulated remote management functions. Disabling AMT will still allow for ME firmware updates, which are recommended for receiving platform stability fixes.

3. Unconfigure AMT on next boot

Perform AMT/ME unconfigure without password operation.

4. Watchdog Timer

Enable/Disable WatchDog Timer.

5. OS & BIOS Watchdog Timer

Set OS Watching timer (Minutes).



Advanced

HP Computer Setup

Remote HP PC Hardware Diagnostics

Diagnostics Download URL

➔ [Custom Download Address](#)

Diagnostics Logs Upload URL

3

4

2

Scheduled On Next Boot

Frequency

Execute On Next Boot

1

5

6

Item Specific Help

- 1. Diagnostics Download URL**
Select between HP server URL and a custom server URL.
- 2. Custom Upload Address**
Configure a URL for diagnostics logs upload.
- 3. Username**
Configure the username for uploading diagnostics logs to the server, if authentication is required.
- 4. Password**
Configure the password for uploading diagnostics logs to the server, if authentication is required.
- 5. Frequency**
Select the frequency for scheduled execution of Remote HP PC Hardware Diagnostics.
- 6. Execute On Next Boot**
Enable/disable the execution on next boot. The flag will be disabled after the diagnostics have run.



Custom Upload URL

There is no Custom Upload URL configured.
Type a new Custom Upload URL and press ENTER to save.
Press ESC to CANCEL



Custom Server Username

There is no Username configured.
Type a new Username and press ENTER to save.
Press ESC to CANCEL



Custom Server Password

There is no Upload Server Password configured.
Type a new Upload Server Password and press ENTER to save.
Press ESC to CANCEL

Remote HP PC Hardware Diagnostics Result

Status of last attempt to execute: Could not detect network link or network cable is unplugged



UEFI Drivers

HP Computer Setup

This will restart the system into the 3rd Party Option ROM Management application. You can get to this application directly by pressing F3 during startup.

Item Specific Help