

# Interactive BIOS simulator

## HP ProBook 430 G6 Notebook PC

Welcome to the interactive BIOS simulator for the  
HP ProBook 430 G6 Notebook 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

Advanced

UEFI Drivers



Item Specific Help

Suppress POST Errors



BASIC SYSTEM INFORMATION

Product Name	HP ProBook 430 G6 Notebook PC
Processor 1	Intel(R) Core(TM) i3-8130U CPU@2.20GHz
Memory Size	4096 MB
System BIOS	Q87 Ver.80.30.00 02/21/2018

SERVICE -----

Born On Date	05/16/2018
Serial Number	5CD8103G2J
SKU Number	D99SKU3#ABA
Universally Unique Identifier (UUID)	40E2D6FD-3942-8502-C69E-5CFE92CCDD10
Asset Tracking Number	5CD8103G2J

Item Specific Help

Help



ADVANCED SYSTEM INFORMATION

Product Name HP ProBook 430 G6 Notebook PC  
Memory Size 4096 MB

PROCESSOR 1 -----

Processor Type Intel(R) Core(TM) i3-8130U CPU@2.20GHz  
Cache Size (L1/L2/L3) 128 KB / 512 KB / 4MB  
Processor Speed 1200 MHz  
MicroCode Revision 84  
Processor Stepping A  
Memory Speed 1867 MHz  
Bottom-OnBoard 2 GB Hynix/Hyundai  
Bottom-OnBoard 2 GB Hynix/Hyundai

Item Specific Help

Help



ADVANCED SYSTEM INFORMATION

FIRMWARE -----

System BIOS	Q87 Ver.80.30.00 02/21/2018
ME Firmware Version	11.8.50.3425
Video BIOS Version	INTEL(R) VBIOS [9.0.1051]
Reference Code Revision	3.0.0
Embedded Controller Firmware Version	89.2D.00
USB Type-C Controller(s) Firmware Version:	CCG5 (Dual Port PD):6.12.0
	CCG5 (Single Port PD):6.12.0
Base KBC Version	Base KBC Version 10.0C

Item Specific Help

Help



SERVICE -----

Born On Date	05/16/2018
Serial Number	5CD8103G2J
SKU Number	2LQ35AV#ABA
Universally Unique Identifier (UUID)	40E2D6FD-3942-8502-C69E-5CFE92CCDD10
Asset Tracking Number	5CD8103G2J
Feature Byte	3X476J6b7B7H7M7R7W7m7s9AaBapaqaubTbhcAd6dUdpdqfXgdguhKj4.fd
Build ID	18WWMEAT6bd#SABA#DABA
Product Family	103C_5336AN HP Elite x2
System Board ID	8414
System Board CT Number	P139DAG8JAI004
Primary Battery Serial Number	00246 2018/02/08

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:	P86 Ver.80.31
Current BIOS Release Date:	10/11/2016
Installation Date of Current BIOS:	10/24/2016
Most Recent Update Check:	Never Checked



- 1
- 2 Lock BIOS Version
- 3 BIOS Rollback Policy
- 4 Allow BIOS Updates Using a Network

Help

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.



# 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.



# Minimum BIOS Version

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Current Minimum BIOS Version: 00.00.00

Minimum BIOS Version:



BIOS Update Preferences

Check for Update on Next Reboot **1**

BIOS Source

**3**

**2**

Automatic BIOS Update Setting

**4**

BIOS Update Frequency

**5**

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.*

**3. Edit Custom URL**

Specify a custom BIOS update address.

**4. Automatic BIOS Update Setting**

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

**5. BIOS Update Frequency**

Choose one of the available options.



Network Configuration Settings

Proxy Server **1**

**2**

**3**

IPv4 Configuration

**4**

→ IPv4 Subnet Mask **5**

**6**

→ IPv4 Gateway **7**

**8**

DNS Configuration

**8**

**9**

Data transfer timeout

Force HTTP no-cache **10**

Item Specific Help

- 1. Proxy Server**  
Enable/Disable the use of a proxy server.
- 2. Edit Proxy Server**  
Specify the Proxy Server Address and the Port Number through the common-use <server>:<port> notation.
- 3. Test Network Connection**  
Check the network connection using current BIOS update configuration.  
*Click on the field to see the options.*
- 4. IPv4 Configuration**  
Setup for static IPv4 address.  
*Click on the field to see the options.*
- 5. IPv4 Address**  
Setup for static IPv4 address.
- 6. IPv4 Subnet Mask**  
Configure a valid IPv4 address for subnet mask.
- 7. IPv4 Gateway**  
Configure a valid IPv4 address for gateway.
- 8. DNS Configuration**  
Configure a list of DNS addresses.
- 9. DNS Addresses**  
Configure a comma separated list of DNS addresses.
- 10. Force HTTP no-cache**  
Disable HTTP caching.

Help



Change Date And Time

Set Date (MM/DD/YYYY)

10/27/2016

Set Time (HH:MM):

13 : 20

Item Specific Help

Help

Main



HP Computer Setup

Item Specific Help

Help



---

Feature Byte

Current Setting: 3X476J6S6Z6b7H7M7R7W7saBapaqaub8bTbhcAdUdpdqfX.GB





---

**Build ID**

**Current Setting: 16WWSTAT6aw#SABA#DABA**

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



---

Serial Number

Current Setting: 8CG643005H

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



---

SKU Number

Current Setting: 123456#ABA

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



---

Product Family

Current Setting: 103C 5336AN G=N L=BUS S=ELI

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



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System Board CT Number

Current Setting: A08CFA1EBXX

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



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Product Name

Current Setting: HP Elite x2 1012 G2

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

Main



HP Computer Setup

System IDs

Item Specific Help

Help



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Asset Tracking Number

Current Setting: 5CD8103G2J

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

Physical Presence Interface 2

Intel Software Guard Extension (SGX)

## Utilities

Absolute® Persistence Module Current State

Activation Status : Inactive

Absolute® Persistence Module Permanent Disable : No

System Management Command

3

### 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. Physical Presence Interface

When this feature is set to “Enable”, then the user is notified on system power up when changes are made to system security policy, and the user must manually agree to those changes before the change is confirmed

#### 3. 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



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.

**2. 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

Requires BIOS Administrator Password to be set

Sure Start Secure Boot Keys Protection

Enhanced HP Firmware Runtime Intrusion Prevention and Detection

## Sure Start Security Event Policy

1

### Item Specific Help

#### 1. 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 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)

HEP Current State: Inactive

SPM Current State: Not Provisioned

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



Smart Cover

Cover Removal Sensor

1

### Item Specific Help

#### 1. Cover Removal Sensor

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



## 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**

### 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

Are you sure you want to restore security 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 in 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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Hour 0

Minute 0

Item Specific Help



# 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 Memory Size Change
- Prompt on Fixed Storage Change
- Audio Alerts During Boot
- NumLock on at Boot
- UEFI Boot Order

-----  
M.2: Windows Boot Manager  
USB:

-----  
Legacy Boot Order

-----  
M.2 SSD 1: KXG50ZNV256G TOSHIBA-18LS10NJTP4T  
USB:

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 Management

- Import Custom Secure Boot keys

- Clear Secure Boot keys

- Reset Secure Boot keys to factory defaults

- Enable MS UEFI CA key

Ready BIOS for Device Guard Use

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

Item Specific Help



# Advanced

HP Computer Setup

## System Options

Turbo-boost

Hyperthreading **1**

Multi-processor

Hyperthreading and Multi-processor has been enabled and grayed out because Deep sleep is set to On.

Virtualization Technology (VTx)

Virtualization Technology for Directed I/O (VTd)

Fast Charge

## Power Button Protection

USB Type-C Connector System Software Interface (UCSI)

Swap Fn and Ctrl (Keys)

Enable Turbo Boost on DC

Dynamic Platform and Thermal Framework (DPTF)

## Item Specific Help

### 1. Hyperthreading

Permits the user to control the processor capability



# Advanced

HP Computer Setup

## Built-In Device Options

### Video Memory size

- Audio Device
- Microphone
- Internal Speakers
- Headphone Output
- Wake on Voice (WoV)
- Lock Wireless Button
- Wireless Network Device (WLAN)
- Bluetooth

### HP LAN-Wireless Protection

- LAN/WLAN Auto Switching
- Fan Always on while on AC Power
- Boost Converter

### Backlit keyboard timeout

- Integrated Front Camera
- Integrated Rear Camera
- Touch Device

### Disable battery on next shutdown

## Item Specific Help



# Advanced

## Port Options

Right USB Ports

USB Legacy Port Charging

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

Thunderbolt Type-C Ports

Require 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



# 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 the EFI versus Legacy Option ROMs



# Advanced

HP Computer Setup

## Power Management Options

Runtime Power Management

Extended Idle Power States

Deep sleep

Power Control

Item Specific Help



# Advanced

HP Computer Setup

## MAC Address Pass Through

➡ MAC ADDRESS: 10-E7-C6-D7-1B-D6

Item Specific Help





# Advanced

HP Computer Setup

## Settings

### Diagnostics Download URL

➔ Custom Download Address **2**

### Diagnostics Logs Upload URL

**4**  
**5**  
**3**

### Scheduled On Next Boot

#### Frequency

### Execute On Next Boot

**9**

**1**

**6**

**7**

**8**

## Item Specific Help

### 1. Diagnostics Download URL

Select between HP server URL and a custom server URL.

### 2. Custom Download Address

Configure a URL for HP PC Hardware Diagnostics download.

### 3. Custom Upload Address

Configure a URL for diagnostics logs upload.

### 4. Username

Configure the username for uploading diagnostics logs to the server, if authentication is required.

### 5. Password

Configure the password for uploading diagnostics logs to the server, if authentication is required.

### 6. Scheduled Execution

Enable/disable the scheduled execution of Remote HP PC Hardware Diagnostics.

### 7. Frequency

Select the frequency for scheduled execution of Remote HP PC Hardware Diagnostics.

### 8. Execute On Next Boot

Enable/disable the execution on next boot. The flag will be disabled after the diagnostics have run.

### 9. Last Execution Result

Display the results of the last Remote HP PC Hardware Diagnostics execution.



# 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



# Upload Server Username

---

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



# Upload Server Password

---

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



# 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