

# Interactive BIOS simulator

## HP ZBook 17 G5

Welcome to the interactive BIOS simulator for the  
HP ZBook 17 G5

### 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

Supress Post Errors

Help



BASIC SYSTEM INFORMATION

Product Name	HP ZBook 17 G5
Processor 1	Intel(R) Core(TM) i7-8850H CPU @ 2.60GHz
Memory Size	16384 MB
System BIOS	Q70 Ver. 80.35.01 03/01/2018

SERVICE -----

Born On Date	00/00/0000
Serial Number	5CD8099LWG
SKU Number	XW35KU1#ABA
Universally Unique Identifier (UUID)	36CBA202-D4DE-B9C8-3B39-CC92324DA986
Asset Tracking Number	5CD8099LWG

Item Specific Help

Empty help box area.



Item Specific Help

Product Name HP ZBook 17 G5  
Memory Size 16384 MB

PROCESSOR 1 -----

ProcessorType Intel(R) Core(TM) i7-8850H CPU @ 2.60GHz  
Cache Size (L1/L2/L3) 384 KB / 1536KB / 9 MB  
Processor Speed 2500 MHz  
MicroCode Revision 84  
Processor Stepping A  
Memory Speed 2667 MHz  
Top-Slot 1(left) 8 GB Hynix/Hyundai  
Top-Slot 2(right) 8 GB Hynix/Hyundai  
Bottom-Slot 1(left) Empty  
Bottom-Slot 2(right) Empty



Item Specific Help

FIRMWARE -----

System BIOS	Q70 Ver. 80.35.01 03/01/2018
ME Firmware Version	12.0.0.1052
ME Firmware Mode	Enabled
Video BIOS Version	nVidia 86.07.4A.00.3A
Reference Code Revision	7.0.1C.58
Embedded Controller Firmware Version	15.1A.15
USB Type-C Controller(s) Firmware Version:	CCG5 : 6.12.0



Item Specific Help

SERVICE -----  
-----

Born On Date	00/00/0000
Serial Number	5CD8099LWG
SKU Number	XW3SKU1#ABA
Universally Unique Identifier (UUID) CC92324DA986	36CBA202-D4DE-B9C8-3B39-
Asset Tracking Number	0009280052
Feature Byte BapaqauawbVbhAd6dUdpdqfXguhKhWhZ jhk8.Mq	3X476J6S6B7B7H7M7R7W7ma-
Build ID	19WWEMAT6av#SABA#DABA
Product Family x360	103C_5336AN HP EliteBook
System Board ID	861F
System Board CT Number	C8D9D2FF98C0XX
Primary Battery Serial Number	00056 2019/06/27



Universally Unique Identifier (UUID)	36CBA202-D4DE-B9C8-3B39-CC92324DA986
Asset Tracking Number	5CD8099LWG
Feature Byte	3X475j6JS6b7B7M7R7U 7W7m7saB
Build ID	19WWEMAT6av#SABA#DABA apaqauawb8bhcAdUdpdqqdhK.Ag
Build ID	18WWAVAT6av#SABA#DABA
Product Family	103C_5336AN HP ZBook 17
System Board ID	842D
System Board CT Number	PXW3CAF8JAH02M
Primary Battery Serial Number	00341 2018/02/13
<b>COMMUNICATION</b> -----	
Integrated MAC Address 1	10-E7-C6-D9-9D-AE

Item Specific Help

Help



# HP PC Hardware Diagnostics UEFI

Please select a Language.

Cestina

Dansk

Deutsch

Nederlands

Espanol

eesti keel

Suomi

Francais

Hrvatski

Magyar





# HP PC Hardware Diagnostics UEFI

Version 6.6.1.0

For more information and updates, please visit [www.hp.com/go/techcenter/PCDiags](http://www.hp.com/go/techcenter/PCDiags).

System Tests

Component Test

Test Logs

Languages



Exiting...

Are you Sure?

No



Update System BIOS

Current System BIOS Version:	Q70 Ver. 80.35.01
Current BIOS Release Date:	03/01/2018
Installation Date of Current BIOS:	03/06/2018
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.

1

2

3

4

5

6

Help

Lock BIOS Version

BIOS Rollback Policy

Allow BIOS Updates Using a Network



# Test Network Connection Failed

---

An error has occurred with your network connection. Please see the error message below.

IPv4 Configuration: Automatic

IPv4 Address:

IPv4 Subnet Mask:

IPv4 Gateway:

DNS Configuration: Automatic

Primary DNS:

Secondary DNS:

MAC Address:

Current Proxy:

Current Customer Source URL: HP.com

Error: Could not detect network link or network cable is unplugged.



Help



# System BIOS Update

---

The system could not find one of the BIOS Update binary files. Please make sure the correct BIN file is located on the system hard drive or on removable USB Key under the “HP\BIOS\New” folder or under the “EFI\HP\BIOS\New” folder. It must also be placed under the “HP\BIOS\Previous” folder or under the “EFI\HP\BIOS\Previous” folder.



Help



Network Configuration Settings

Proxy Server **1**

➔ [Edit Proxy Server](#)

**2**

IPv4 Configuration

- ➔ [IPv4 Address](#)
- ➔ [IPv4 Subnet Mask](#)
- ➔ [IPv4 Gateway](#)

**3**

DNS Configuration

➔ [DNS Addresses](#)

**4**

Data transfer timeout

100 **5**

Force HTTP no-cache **6**

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. DNS Configuration**  
Configure a list of DNS addresses.
- 6. Force HTTP no-cache**  
Disable HTTP caching.

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.



Help



# Network BIOS Update

---

Could not detect network link or network cable is unplugged



30

Help



# Minimum BIOS Version

---

Current Minimum BIOS Version 00.00.00

Minimum BIOS Version

Help



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.*
- 3. Automatic BIOS Update Setting**  
Choose one of the available options.  
*Click on the field to see the options.*
- 4. BIOS Update Frequency**  
Choose one of the available options.



# Configure Update Source

---

There is no custome URL Configured

BIOS Update source can be changed to a CUSTOM URL instead of HP.com.  
This is only recommended for systems in a managed IT environment

Examples:

`http://www.host.com/path`

`ftp://ftp.host.com/path`

`ftp://user:password@ftp.host.com/path`

`http://192.168.0.1/path`

Press ESC to CANCEL

Type the CUSTOM URL for BIOS update checks via network and Press ENTER to SAVE

Help



Change Date And Time

Set Date (MM/DD/YYYY)

06 / 04 / 2018

Set Time (HH:MM):

29 : 53

Item Specific Help

Help



Item Specific Help

Help



---

Feature Byte

Current Setting: 3X475j6JS6b7B7M7R7U7W7m7saBapaqauawb8bhcAdUdpdggdhK.Ag

Help



---

Build ID

Current Setting: 18WWAVAT6av#SABA#DABA

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

Help



---

Serial Number

Current Setting: 5CD8099LWG

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

Help



---

SKU Number

Current Setting: XW3SKU1#ABA

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

Help



---

**Product Family**

**Current Setting: 103C\_5336AN HP ZBook 17**

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

Help



---

System Board CT Number

Current Setting: PXW3AF8JAH02M

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

Help



---

Product Name

Current Setting: HP ZBook 17 G5

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

Help



System IDs

Item Specific Help

Help



---

Asset Tracking Number

Current Setting: 5CD8099LWG

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

Help



---

Ownership Tag

Current Setting:

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

Help



Replicated Setup

Item Specific Help

Help



# Replicated Setup

---

The file cannot be accessed. Please insert a USB storage device and try again



Help



# Replicated Setup

---

The file cannot be accessed. Please insert a USB storage device and try again



Help



Are you sure you want to save your current settings as custom defaults

Item Specific Help

Help



## Administrator Tools

1

Finger print Reset on Reboot

## Security Configuration

Physical Presence Interface 2

Trusted Execution Technology (TXT)

Intel Software Guard Extension (SGX)

3

## Utilities

Absolute® Persistence Module Current State

Activation Status : Inactive

Absolute® Persistence Module Permanent Disable : No

System Management Command

Help

### 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

Help



# POST Power-On Password

---

Enter POST Power-On Password

Help



## Password Policies

At least one symbol is required in Administrator and User password

At least one number is required in Administrator and User password

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

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

Are spaces allowed in Administrator and User password?

Prompt Admin password on F9 (Boot Menu)

Prompt Admin password on F11 (System Recovery)

Prompt Admin password on F12 (Network Boot)

Prompt Admin password on Capsule Update

Help



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).

Help

## 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**

### 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.



# WARNING

---

Warning! Manual recovery is intended only for situations where forensic analysis is desired before HP SureStart recovery. When this policy is configured to manual, HP SureStart will not correct any issues that are found until the Manual recovery key sequence is input by the local user. This can result in a system that is unable to boot until after inputting the manual recovery key sequence.

Help



# Security

HP Computer Setup

Secure Platform Management (SPM)

HP Sure Run Current State: Inactive

SMP Current State: Not Provisioned

Item Specific Help

Help



# Security

HP Computer Setup

TPM Embedded Security

TPM Specific Version

2.0

TPM Device

1

TPM Embedded Security

Clear TPM

TPM Embedded Security

## Item Specific Help

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

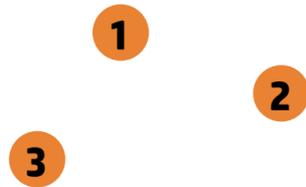
1

Item Specific Help

Help



## DriveLock Security Options



Help

### Item Specific Help

#### 1. Automatic DriveLock

In Automatic DriveLock, your BIOS Administrator password is the DriveLock Master password, and the BIOS generates the DriveLock User Password. If you enable Automatic DriveLock on a drive, you will need to use your BIOS Administrator password to unlock the drive if it is placed in another system.

#### 2. Set DriveLock Master Password

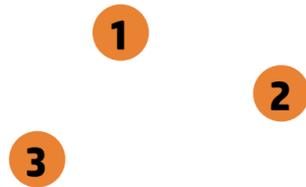
Sets the drive's Master password, but it does not enable DriveLock.

#### 3. Enable DriveLock

Sets the drive's User password and enables DriveLock.



## DriveLock Security Options



The DriveLock Master and User passwords cannot be changed if you enable Automatic DriveLock or it was already enabled

Help

### Item Specific Help

#### 1. Automatic DriveLock

In Automatic DriveLock, your BIOS Administrator password is the DriveLock Master password, and the BIOS generates the DriveLock User Password. If you enable Automatic DriveLock on a drive, you will need to use your BIOS Administrator password to unlock the drive if it is placed in another system.

#### 2. Set DriveLock Master Password

Sets the drive's Master password, but it does not enable DriveLock.

#### 3. Enable DriveLock

Sets the drive's User password and enables DriveLock.



# Set DriveLock Password

---

Please exercise caution when using DriveLock.  
Losing the passwords will render a drive premanently unusable.

Please be aware these settings take place immediately: save not necessary.

Enter DriveLock Master Password.

Help



# Set DriveLock User Password

---

Please exercise caution when using DriveLock.  
Losing the passwords will render a drive premanently unusable.

Please be aware these settings take place immediatly: save not necessary.

Enter DriveLock User Password.

Help



# Restore Security Settings to Factory Defaults

---

Are you sure you want to restore security settings to default?

Help



1

➔ [Electronic Labels](#)

Remote HP PC Hardware Diagnostics

2

3

Help

## 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 options. Note that any unsaved BIOS settings are lost.



# Advanced

HP Computer Setup

Display Language

Select Language

Select Keyboard Layout

Item Specific Help

Help



## Scheduled Power-On

Sunday **1**

Monday **1**

Tuesday **1**

Wednesday **1**

Thursday **1**

Friday **1**

Saturday **1**

Hour 0  
Minute 0

Help

### Item Specific Help

#### 1. Sunday

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



# Advanced

## Boot Options

### Startup Delay (sec.)

Fast Boot

CD-ROM 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 SSD 1: SAMSUNG MZVLB1T0HALR-000H1-S3WSNE0K100595

USB:

SATA1: ST2000LM007-1R8174

Network Boot:IPV4 Network - Intel(R) Ethernet Connection (7) 1219-LM

Network Boot:IPV6 Network - Intel(R) Ethernet Connection (7) 1219-LM

### Legacy Boot Order

USB

SATA1: ST2000LM007-1R9184

M.2 SSD: SAMSUNG MZVLB1T0HALR-000H1-S3WSNE0K100595

### Item Specific Help

Help



## 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.



## HP Sure Recover

- HP Sure Recover **1**
- Recover from Network **2**
- Recover after Boot Failure **3**
- Prompt before Boot Failure Recovery **4**

### 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.

#### 4. Prompt before Boot Failure Recovery

If this setting is enabled and no bootable UEFI OS is found, the user is notified and asked to choose whether to start or cancel HP Sure Recover.



# Advanced

## 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

Help



# Advanced

## System Options

Configure Storage Controller for RAID

Configure Storage Controller for Intel Optane

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)

POST Prompt for RAID Configuration

Fast Charge

USB Type-C Connector System Software Interface (UCSI)

Swap Fn and Ctrl (Keys)

Launch Hotkeys without Fn Keypress

Dynamic Platform and Thermal Framework (DPTF)

Power Slider Plus

HP Application Driver

### Item Specific Help

#### 1. Hyperthreading

Permits the user to control the processor capability.

Help



# Optane Disable Warning

---

**WARNING:** To avoid data loss or Windows OS corruption, do NOT disable this setting until Optane Memory is disabled in the Intel Rapid Storage Technology software:

1. In Windows start the Intel Rapid Storage Technology (RST) application.
2. Go to 'Intel Optane Memory' or 'Status' page.
3. Select 'disable' then reboot

Refer to 'System Acceleration with Intel Optane Memory' in the RST 'Help' page for more information. See also [www.intel.com](http://www.intel.com) Article ID: 000023989, User and Installation Guide for Intel Optane Memory

Help



# Advanced

## Built-In Device Options

- Embedded LAN Controller
- Wake On LAN
- Video memory size
- Graphics
  - Audio Device
  - Microphone
  - Internal Speakers
  - Headphone Output
  - Lock Wireless Button
  - 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
  - Wake on WLAN
  - Wake on LAN in Battery Mode
  - Fan Always on while on AC Power
  - Boost Converter
- Backlist keyboard timeout
  - Integrated Camera
  - Fingerprint Device
  - Touch Device
- Disable battery on next shut down

## Item Specific Help

Help



## Port Options

Media Card Reader

Left USB Ports **1**

Left USB Port 1 **2**

Left USB Port 2 **2**

Left USB Port 3 **2**

USB Legacy Port Charging **3**

## Disable Charging Port

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

Smart Card

Smart Card Power Savings

Thunderbolt Type-C Ports

Thunderbolt Mode

Requires BIOS PW to change Thunderbolt Security Level

## Thunderbolt Security Level

Native PCIe Hot plug

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

M.2 SSD 1 **4**

M.2 SSD 2 **4**

M.2 SSD 3 **4**

SATA 1 **5**

SATA 2 **5**

## Restrict USB Devices

### Item Specific Help

#### 1. Left USB Ports

Hides the left USB ports from the OS

#### 2. Left USB Port 1

Enables individual legacy or Type-C USB port. On Desktop platforms, ports are typically numbered bottom to top, then left to right when in horizontal orientation. On Notebook platforms, Ports are typically numbered front to rear.

#### 3. USB Legacy Port Charging

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

#### 4. M.2.SSD

Hides the SATA port from the OS

#### 5. SATA

Hides the SATA port from the OS



# Advanced

## Port Options

Media Card Reader

Left USB Ports **1**

Left USB Port 1 **2**

Left USB Port 2 **2**

Left USB Port 3 **2**

USB Legacy Port Charging **3**

### Disable Charging Port

in sleep/off if battery below (%):

UP/DOWN=Change Settings, ESC=Cancel, ENTER=Accept

no

yes

Smart Card

Smart Card Power Savings

Thunderbolt Type-C Ports

Thunderbolt Mode

Requires BIOS PW to change Thunderbolt Security Level

Thunderbolt Security Level

Native PCIe Hot plug

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

M.2 SSD 1 **4**

M.2 SSD 2 **4**

M.2 SSD 3 **4**

SATA 1 **5**

SATA 2 **5**

Restrict USB Devices

## Item Specific Help

### 1. Left USB Ports

Hides the left USB ports from the OS

### 2. Left USB Port 1

Enables individual legacy or Type-C USB port. On Desktop platforms, ports are typically numbered bottom to top, then left to right when in horizontal orientation. On Notebook platforms, Ports are typically numbered front to rear.

### 3. USB Legacy Port Charging

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

### 4. M.2.SSD

Hides the SATA port from the OS

### 5. SATA

Hides the SATA port from the OS

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 EFI versus Legacy Option ROM

Help



# Advanced

HP Computer Setup

## Power Management Options

Runtime Power Management **1**

Extended Idle Power States **2**

Power control

Battery Health Manager

### Item Specific Help

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

Help



# Advanced

## Remote Management Options

Active Management (AMT)

USB Key Provisioning Support

USB Redirection Support

Unconfigure AMT on next boot 1

SOL Terminal Emulation Mode

Show unconfigure ME Confirmation Prompt

Verbose Boot Messages

Watchdog Timer 2

OS Watchdog Timer (min.)

BIOS Watchdog Timer (min.)

CIRA Timeout (min.) 3

### Item Specific Help

- 1. Unconfigure AMT on next boot**  
Perform AMT/ME unconfigure without password operation.
- 2. Watchdog Timer**  
Enable/Disable WatchDog Timer.
- 3. CIRA Timeout (min.)**  
Set CIRA Timeout (Minutes).

Help



# Advanced

HP Computer Setup

MAC Address Pass Through

Host Based MAC Address

## 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

Help



# Configure Factory/System MAC Address

---

Current Factory : C8-D9-D2-FF-98-C0

Current System : C8-D9-D2-FF-98-C0

Examples:

1234567890AB

12-34-56-78-90-AB

Writes blank to clear the MAC address

The Second Byte must be even digit, either 0, 2, 4, 6, 8, A, C or E

Press ESC to CANCEL

Type the System MAC Address and press ENTER to SAVE

Help



## Remote HP PC Hardware Diagnostics

### Diagnostics Download URL

➔ [Custom Download Address](#)

### Diagnostics Logs Upload URL

3

4

2

### Scheduled Execution

#### Frequency

5

#### Execute On Next Boot

6

1

Help

### 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

Help



# Custom Server Username

---

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

Help



# 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

Help



# Remote HP PC Hardware Diagnostics Results

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Remote HP PC Hardware Diagnostics was never executed

Help



# Remote HP PC Hardware Diagnostics Execution

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

Help



# 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.

➔ 3rd Party Option ROM Management

Item Specific Help

Help