Interactive BIOS simulator

HP ZBook 17 G6 Mobile Workstation

Welcome to the interactive BIOS simulator for the
HP ZBook 17 G6 Mobile Workstation

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.

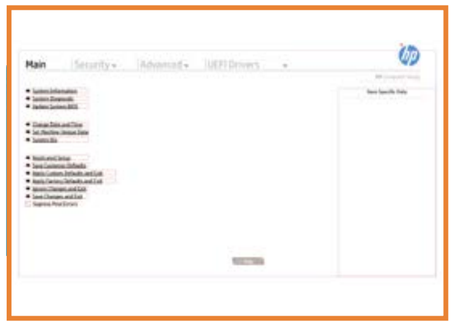
Menu options:
While the menu options cannot be toggled, many of them offer item specific information about that option. To view this information, use the cursor to rollover the option and the information will present in a pane on the right of the BIOS screen.

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.

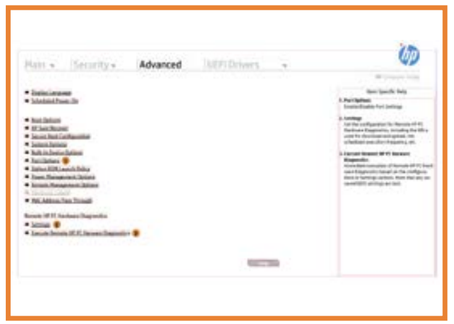
BIOS Utility Menus

Back to Welcome Page



Main

Security



Advanced

UEFI Drivers

Main | Security | Advanced | UEFI Drivers

HP Computer Setup

- System Information
- System Diagnostic
- Update System BIOS

- Change Date and Time
- Set Machine Unique Data
- System IDs

- Replicated Setup
- Save Customer Defaults
- Apply Custom Defaults and Exit
- Apply Factory Defaults and Exit
- Ignore Changes and Exit
- Save Changes and Exit

☐ Supress Post Errors

Item Specific Help

Help

BASIC SYSTEM INFORMATION

➡ Show Advanced System Information

Product Name	HP ZBook 17 G6 Mobile Workstation
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

➡ Show Basic System Information

Product Name	HP ZBook 17 G6 Mobile Workstation
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

Next >>>

Item Specific Help

➡ Show Basic System Information

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

<<< Previous Next >>>

Item Specific Help

➡ Show Basic System Information

SERVICE ----------

Born On Date	00/00/0000
Serial Number	5CD8099LWG
SKU Number	XW3SKU1#ABA
Universally Unique Identifier (UUID)	36CBA202-D4DE-B9C8-3B39-CC92324DA986
Asset Tracking Number	0009280052
Feature Byte	3X476J6S6B7B7H7M7R7W7ma-BapaqauawbVbhcAd6dUdpdqfXguhKhWhZjhk8.Mq
Build ID	19WWEMAT6av#SABA#DABA
Product Family	103C_5336AN HP EliteBook x360
System Board ID	861F
System Board CT Number	C8D9D2FF98C0XX
Primary Battery Serial Number	00056 2019/06/27

<<< Previous Next >>>

Item Specific Help

➡ Show Basic System Information

Universally Unique Identifier (UUID)	36CBA202-D4DE-B9C8-3B39-CC92324DA986
Asset Tracking Number	5CD8099LWG
Feature Byte	3X475j6JS6b7B7M7R7U 7W7m7saB
Build ID	19WWEMAT6av#SABA#DABA apaqauawb8bhcAdUdpdqgdhK.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

COMMUNICATION ----------

Integrated MAC Address 1	10-E7-C6-D9-9D-AE

<<< Previous

Help

Item Specific Help

HP PC Hardware Diagnostics UEFI

Please select a Language.

English

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.

System Information

System Tests

Component Test

Test Logs

Languages

Exit

Exiting...

Are you Sure?

Yes

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

➡ Check HP.com for BIOS Updates 1

☐ Lock BIOS Version 2

BIOS Rollback Policy — Unrestricted Rollback to older BIOS 3

➡ Minimum BIOS version

☐ Allow BIOS Updates Using a Network 4

➡ BIOS Update Preferences 5

➡ Network Configuration Settings 6

➡ Update System and Supported Device Firmware Using Local Media

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.

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.

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.

OK

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 removeble 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.

Try Again

Cancel

Help

Main | Security | Advanced | UEFI Drivers

HP Computer Setup

Network Configuration Settings

☐ Proxy Server 1

→ Edit Proxy Server

→ Test Network Connection 2

IPv4 Configuration — Automatic 3

→ IPv4 Address

→ IPv4 Subnet Mask

→ IPv4 Gateway

DNS Configuration — Automatic 4

→ DNS Addresses

Data transfer timeout — 100 5

☐ Force HTTP no-cache 6

Help

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.

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.

Continue Cancel

Help

Network BIOS Update

Esc Could not detect network link or network cable is unplugged

OK

30

Help

Minimum BIOS Version

Current Minimum BIOS Version 00.00.00

Minimum BIOS Version

Help

Main | Security | Advanced | UEFI Drivers

HP Computer Setup

BIOS Update Preferences

Check for Update on Next Reboot 1

BIOS Source HP.com 2

➡ Edit Custom URL

Automatic BIOS Update Setting

Check for BIOS updates automatically but let me decide whether to install them 3

BIOS Update Frequency Daily 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

Help

Item Specific Help

- Feature Byte
- Build ID
- Serial Number
- SKU Number
- Product Family
- System Board CT Number
- Product Name

Item Specific Help

Help

Feature Byte

Current Setting: 3X475j6JS6b7B7M7R7U7W7m7saBapaqauawb8bhcAdUdpdqgdhK.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 G6 Mobile Workstation

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

Help

System IDs

- Asset Tracking Number
- Ownership Tag

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

- Backup current settings to USB device
- Restore current settings from USB device

Help

Item Specific Help

Replicated Setup

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

OK

Help

Replicated Setup

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

OK

Help

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

- YES
- NO

Item Specific Help

Help

Main | Security | Advanced | UEFI Drivers

HP Computer Setup

Administrator Tools

- ➡ Create BIOS Administrator Password 1
- ➡ Create POST Power-On Password
- ➡ Password Policies
- ☐ Finger print Reset on Reboot

Security Configuration

- ➡ TPM Embedded Security
- ➡ BIOS Sure Start
- ➡ Secure Platform Management (SPM)
- ☐ Physical Presence Interface 2
- ☐ Trusted Execution Technology (TXT)

Intel Software Guard Extension (SGX) Sofware control 3

Utilities

- ➡ Hard Drive Utilities

Absolute® Persistence Module Current State

Activation Status : Inactive

Absolute® Persistence Module Permanent Disable : No

- ☐ System Management Command
- ➡ Restore Security Settings to Factory Defaults

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 (Netword Boot)
- [ ] Prompt Admin password on Capsule Update

Help

Main | Security | Advanced | UEFI Drivers

HP Computer Setup

TPM Embedded Security

TPM Specification Version	2.0
TPM Device	Available (1)
TPM State (2)	
Clear TPM	No
TPM Activation Policy	Allow user to reject

Help

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: Automatic

- [x] Dynamic Runtime Scanning of Boot Block
- [ ] Sure Start BIOS Settings Protection 1
- [x] Sure Start Secure Boot Keys Protection
- [x] Enhanced HP Firmware Runtime Intrusion Prevention and Detection 2

Sure Start Security Even Policy: Log Event Only 3

Sure Start Security Event Boot Notification: Time out after 15 seconds

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 m 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 thr 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

Esc

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.

Accept

Cancel

Help

Secure Platform Management (SPM)

HP Sure Run Current State: Inactive

Deactivate HP Sure Run

SMP Current State: Not Provisioned

Unprovisioned SPM

Help

Item Specific Help

Main | Security | Advanced | UEFI Drivers

HP Computer Setup

TPM Embedded Security

TPM Specific Version 2.0

TPM Device Hidden 1

TPM Embedded Security

Clear TPM No

TPM Embedded Security F1 to Boot

Help

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 | Local user control

➡ DriveLock/Automatic DriveLock

➡ Secure Erase

☐ Allow OPAL Hard Drive SID Authentication

Help

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 he prompted to choose whether to restore GPT.

Select a Drive

➡ SATA1: ST2000LM007-1R8174 1

Help

Item Specific Help

DriveLock Security Options

- ☐ Automatic DriveLock 1
- ➡ Set DriveLock Master Password 2
- ➡ Enable DriveLock 3

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 enabls DriveLock.

DriveLock Security Options

- ☐ Automatic DriveLock 1
- ➡ Set DriveLock Master Password 2
- ➡ Enable DriveLock 3

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 enabls 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 immediately: 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?

➡ YES

➡ NO

Help

- Display Language
- Scheduled Power-On

- Boot Options
- HP Sure Recover
- Secure Boot Configuration
- System Options
- Built-In Device Options
- Port Options 1
- Option ROM Launch Policy
- Power Management Options
- Remote Management Options
- Electronic Labels
- MAC Address Pass Through

Remote HP PC Hardware Diagnostics

- Settings 2
- Execute Remote HP PC Harware Diagnostics 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 Harware Diagnostics**
   Immediate execution of Remote HP PC Hardware Diagnostics based on the configurations in Settings options. Note that any unsaved BIOS settings are lost.

Display Language

Select Language	English
Select Keyboard Layout	English

Item Specific Help

Help

Scheduled Power-Onh

- [ ] 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.

Boot Options

Startup Delay (sec.) 0

- [ ] 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

Help

Item Specific 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

Help

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

Help

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.

Secure Boot Configuration

Configure Legacy Support and Secure Boot: Legacy Support Enable and Secure Boot Dis

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: Do nothing

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

Help

Item Specific Help

Main | Security | Advanced | UEFI Drivers

HP Computer Setup

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 slepp 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 — Enable
- [ ] Dynamic Platform and Thermal Framework (DPTF)
- [ ] Power Slider Plus
- [ ] HP Application Driver

Help

Item Specific Help

1. **Hyperthreading**
   Permits the user to control the processor capability.

Optane Disable Warning

Esc

WARNING: To avoid data loss or Windows OS corrution, do NOT disable this setting until Optain 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 ‘dsiable’ then reboot

Refer to ‘System Acceleration with Intel Optane Memory’ in th RST ‘Help’ page fir more information. See also www.intel.com Acrticle ID: 000023989, User and Installation Guide for Intel Optane Memory

Cancel

Confirm

Help

Main | Security | Advanced | UEFI Drivers

HP Computer Setup

Built-In Device Options

- [ ] Embedded LAN Controller

Wake On LAN: Disabled

Video memory size: 64 MB

Graphics: UMA 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: 5 secs.

- [ ] Integrated Camera
- [ ] Fingerprint Device
- [ ] Touch Device

Disable battery on next shut down: Next shut down

Help

Item Specific 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: PCIe & DisplayPort - No Security

- [ ] 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: Allow all USB Devices

Help

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

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: PCIe & DisplayPort - No Security

- [ ] 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: Allow all USB Devices

Help

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

Option ROM Launch Policy

Configure Option ROM Launch Policy: All UEFI (1)

Help

Item Specific Help

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

Power Management Options

- [ ] Runtime Power Management 1
- [ ] Extended Idle Power States 2
- [ ] Power control

Battery Health Manager: Maximize my battery health

Help

Item Specific Help

1. **Runtime Power Management**
   Enables Runtime Power Management.

2. **Extended Idle Power States**
   Increases the OS's Idle Power Savings.

Remote Management Options

- [ ] Active Management (AMT)
- [ ] USB Key Provisioning Support
- [ ] USB Redirection Support

Unconfigure AMT on next boot: Apply (1)

SOL Terminal Emulation Mode: ANSI

- [ ] Show unconfigure ME Confirmation Prompt
- [ ] Verbose Boot Messages
- [ ] Watchdog Timer (2)

OS Watchdog Timer (min.): 5

BIOS Watchdog Timer (min.): 5

CIRA Timeout (min.): 1 min (3)

Help

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).

MAC Address Pass Through

Host Based MAC Address | Disabled

➡ MAC ADDRESS: C8-D9-D2-FF-98-C0

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 Harware Diagnostics**

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

Main | Security | Advanced | UEFI Drivers

HP Computer Setup

Remote HP PC Hardware Diagnostics

Diagnostics Download URL — HP.com (1)

➡ Custom Download Address

Diagnostics Logs Upload URL

➡ Custom Upload Address (2)

➡ Username (3)

➡ Password (4)

Scheduled Execution — Disable

Frequency — Daily (5)

Execute On Next Boot — Disable (6)

➡ Last Execution Result

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 Diagnositics Results

Remote HP PC Hardware Diagnositcs was never executed

Help

Remote HP PC Hardware Diagnositics Execution

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

Help

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

Help

Item Specific Help