Interactive BIOS simulator

HP ProBook x360 11 G3 EE

Welcome to the interactive BIOS simulator for the
HP ProBook x360 11 G3 EE

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

Main

Item Specific Help

Supress Post Errors

Help

Main

BASIC SYSTEM INFORMATION

Item Specific Help

Product Name   HP ProBook x360 11 G3 EE
Processor 1   Intel(R) Celeron(R) N4100 CPU @ 1.10GHz
Memory Size   4096 MB
System BIOS   Q95 Ver. 80.33.00   08/24/2018

SERVICE --

Born On Date   12/14/2018
Serial Number   0008350037
SKU Number   1234567#ABA
Universally Unique Identifier (UUID)   0C276F6B-6066-58EB-548B-A1DA23C245D3
Asset Tracking Number   0008350037

Main

Item Specific Help

Product Name	HP ProBook x360 11 G3 EE
Memory Size	4096 MB
Storage Device	hC8aP 316A91F (62 GB)

PROCESSOR 1 --

ProcessorType	Intel(R) Celeron(R) N4100 CPU @ 1.10GHz
Cache Size (L1/L2/L3)	56 KB / 4 MB
Processor Speed	400 MHz
Processor Cores	4
MicroCode Revision	28
Processor Stepping	1
Memory Speed	2400 MHz
Bottom-OnBoard 1	4 GB Hynix/Hyundai

Main

Item Specific Help

FIRMWARE ---

System BIOS	Q95 Ver. 80.33.00 08/24/2018
ME Firmware Version	4.0.5.1280
ME Firmware Mode	Enabled
Audio Controller	RealTek ALC3247
Video BIOS Version	Intel GOP Driver (13.0.1016)
Reference Code Revision	01.33
Embedded Controller Firmware Version	50.0F.00
USB Type-C Controller(s) Firmware Version:	
	CCG5 : 7.5.0

Main

SERVICE --

Born On Date	12/14/2018
Serial Number	0008350037
SKU Number	1234567#ABA
Universally Unique Identifier (UUID)	0C276F6B-6066-58EB-548B-A1DA23C245D3
Asset Tracking Number	0008350037
Feature Byte	3X476J6S6b7B7H7M7R7W7m7saBapaqauawbVbhdUdWdpdqgd.aM
Build ID	18WWB1AT6ag#SABA#DABA
Product Family	103C_5336AN HP ProBook x360
System Board ID	8521
System Board CT Number	80CE62FF9C9CXX
Primary Battery Serial Number	26571 2018/06/16

COMMUNICATION --

Integrated MAC Address 1	80-CE-62-FF-9C-9C

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.

System Tests

Component Test

Test Logs

Languages

Exiting...

Are you Sure?

No

Main

Update System BIOS

Current System BIOS Version:	Q05 Ver. 80.33.00	
Current BIOS Release Date:	08/24/2018	
Installation Date of Current BIOS:	08/30/2018	
Most Recent Update Check:	Never Checked	

----

(1)

BIOS Rollback Policy   **(2)**

    Allow BIOS Updates Using a Network **(3)**

      (4)

        (5)

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. *Click on the field to see the options.*

3. Allow BIOS Updates Using a Network
Enable/Disable automatic BIOS updates through the network in a scheduled basis.

4. BIOS Update Preferences
Sets the configurations to perform BIOS updates through the network.

5. Network Configuration Settings
Configure network settings to be used for download and upload.

Main

Network Configuration Settings

    Proxy Server **1**

    2

IPv4 Configuration **3**

DNS Configuration **4**

    100 **5**

Data transfer timeout
    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.

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

Configure Proxy Address

There is no Proxy URL Configured.

Provide the Proxy URL and (option) Port Number if your system is on a network that requires proxy access.

Examples:
proxy.host.com:8088
proxy.host.com
192.168.0.1:8088

Press ESC to CANCEL
Type the PROXY URL with optional Port Number and press ENTER or SAVE

Help

Configure IPv4 Address

There is no static IPv4 Address configured

Provide the static IPv4 Address if your systen needs manual network configuration.

Example:
192.202.145.23
192.168.0.48
192.3.78.200

Do not forget to configure the other items of IPv4 Configuration: IPv4 Subnet Mask and IPv4 Gateway

Press ESC to CANCEL
Type the IPv4 ADDRESS and press ENTER to SAVE

Help

Configure IPv4 Subnet Mask

There is no static IPv4 Subnet Mask address configured.

Provide the static IPv4 Subnet Mask address if your systen needs manual network configuration.

Example:
255.255.255.254
255.255.255.240
255.255.255.0

Do not forget to configure the other items of IPv4 Configuration: IPv4 Address and IPv4 Gateway

Press ESC to CANCEL
Type the IPv4 SUBNET MASK address and press ENTER to SAVE

Help

Configure IPv4 Gateway

There is no static IPv4 Gateway address configured.

Provide the static IPv4 Gateway address if your systen needs manual network configuration.

Example:
192.202.145.250
192.168.0.247
192.3.78.230

Do not forget to configure the other items of IPv4 Configuration: IPv4 Address and IPv4 Subnet Mask

Press ESC to CANCEL
Type the IPv4 GATEWAY address and press ENTER to SAVE

Help

Configure DNS Addresses

There is no DNS address configured.

Provide one or more DNS addresses if your systen is on a network that requires a DNS server.

Example:
192.168.0.245
192.5.43.250
192.67.9.220, 192.145.32.222, 192.8.39.247

Press ESC to CANCEL
Type the DNS SERVER ADDRESSES between commas and press ENTER to SAVE

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.

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

Main

BIOS Update Preferences

Check for Update on Next Reboot **1**

BIOS Source **2**

3

Automatic BIOS Update Setting **4**

BIOS Update Frequency **5**

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.

Help

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

HP Computer Setup

Change Date And Time

Set Date (MM/DD/YYYY)   06 / 04 / 2018
Set Time (HH:MM):   29 : 53

Item Specific Help

Help

HP Computer Setup

Item Specific Help

Help

Feature Byte

Current Setting: 3X476J6S6b7B7H7M7R7W7m7saBapaqauawbVbhdUdWdpdqgd.aM

Build ID

Current Setting: 18WWB1AT6ag#SABA#DABA

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

Help

Serial Number

Current Setting: 0008350037

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

Help

SKU Number

Current Setting: 1234567#ABA

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

Help

Product Family

Current Setting: 103C_5336AN HP ProBook x360 11 G3 EE

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

Help

System Board CT Number

Current Setting: 80CE62FF9C9CXX

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

Product Name

Current Setting: HP ProBook x360 11 G3 EE

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

HP Computer Setup

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

Security Configuration

Physical Presence Interface **2**

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 (Netword 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

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 he prompted to choose whether to restore GPT.

Help

Select a Drive

Item Specific Help

➡ M.2: KXG50ZNV256G TOSHIBA-Y7AS10EXTP4T

Help

Secure Erase

This operation will erase all data on the hard drive. Please make sure the computer is connected to AC power during this process.

Continue

Help

DriveLock Security Options
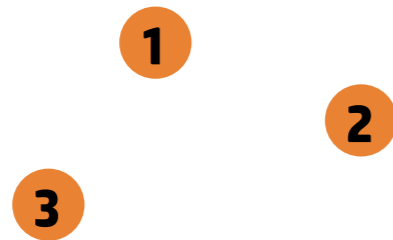
①

②

③

Item Specific Help

1. Automatic DriveLock
   In Automatic DriveLock, your BIOS Admin-
   istrator password is the DriveLock Master
   password, and the BIOS generates the Drive-
   Lock User Password. If you enable Automatic
   DriveLock on a drive, you will need to use
   your BIOS Administrator password to unlock
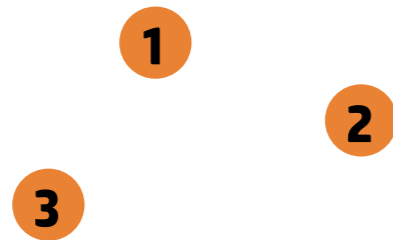   the drive if it is placed in another system.
2. Set DriveLock Master Password
   Sets the drive's Master password, but it does
   not enable DriveLock.
3. Enable DriveLock
   Sets the drive's User password and enabls
   DriveLock.

Help

DriveLock Security Options

1

2

3

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

Item Specific Help

1. Automatic DriveLock
In Automatic DriveLock, your BIOS Admin-
istrator password is the DriveLock Master
password, and the BIOS generates the Drive-
Lock 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.

Help

Item Specific Help

DriveLock Security Options

The hard drive's security state cannot be changed.
Cycle power to manage DriveLock on this drive.

Help

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?

Help

1

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 Harware
Diagnostics**
Immediate execution of Remote HP PC Hard-
ware Diagnostics based on the configura-
tions in Settings options. Note that any un-
saved BIOS settings are lost.

HP Computer Setup

Display Language

Select Language

Select Keyboard Layout

Item Specific Help

Help

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.

Scheduled Power-On

Sunday **1**

Monday **1**

Tuesday **1**

Wednesday **1**

Thursday **1**

Friday **1**

Saturday **1**

Hour   0
Minute   0

Help

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

        Windows Boot Manager
        USB:
        IPV4 Network – Realtek PCIe GBE Family Controller
        IPV6 Network – Realtek PCIe GBE Family Controller

    Legacy Boot Order

USB

Item Specific Help

Help

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

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

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 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 infor-mation. See also www.intel.com Acrticle ID: 000023989, User and Installation Guide for Intel Optane Memory

Help

HP Computer Setup

Built-In Device Options

    Embedded LAN Controller

Wake On LAN

Video memory size

    Audio Device

    Microphone

    Internal Speakers

    Headphone Output

    Lock Wireless Button

    Wireless Network Device (WLAN)

    Bluetooth

HP LAN-Wireless Protection

    LAN/WLAN Auto Switching

    Wake on WLAN

    Integrated Camera

    Touch Device

    Wake on LAN in Battery Mode

    Boost Converter

Disable battery on next shut down

Item Specific Help

Help

Port Options

Media Card Reader
Left USB Ports **1**
Right USB Ports **2**
Right USB Ports 1 **2**
Right USB Ports 2 **2**

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 num-
   bered bottom to top, then left to right when in
   horizontal orientation. On Notebook platforms,
   Ports are typically numbered front to rear.

Help

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

Power Management Options

Runtime Power Management **1**

Extended Idle Power States **2**

Power control

Wake when Lid is Opened

Wake when AC is Detected

Wake on USB

Battery Health Manger **3**

Item Specific Help

1. Runtime Power Management
Enables Runtime Power Management.

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

3. Options
"Maximize my battery health": Your Battery will always charge to 100% to maximize your battery duration. This may shorten your battery lifespan. "Let HP manage my battery charging": HP will balance your battery health and battery duration. "Maximize my battery duration": Your battery will always charge to 100% to maximize your battery duration. This may shorten your battery lifespan.

Help

MAC Address Pass Through

Host Based MAC Address

Reuse Embedded LAN Address **1**

Help

Configure Factory/System MAC Address

Current Factory : <u>10-E7-C6-D6-9D-48</u>
Current System : <u>10-E7-C6-D6-9D-48</u>

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

HP Computer Setup

Remote HP PC Hardware Diagnostics

Diagnostics Download URL ①

Diagnostics Logs Upload URL

② ③ ④

Scheduled Execution

Frequency ⑤

Execute On Next Boot ⑥

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

Remote HP PC Hardware Diagnositics Results

Remote HP PC Hardware Diagnostics was never executed.

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 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 Options ROM Management

Item Specific Help

Help