Interactive BIOS simulator

HP Engage Go 10 Mobile System

Welcome to the interactive BIOS simulator for the
HP Engage Go 10 Mobile System

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

Main

BASIC SYSTEM INFORMATION

Item Specific Help

Product Name	HP Engage Go 10 Mobile System
Processor 1	11th Gen Intel(R) Core(TM) i5-1140G7 @ 1.10GHz
Memory Size	8192 MB
System BIOS	T97 Ver. 80.40.01 05/26/2021

SERVICE --

Born On Date	09/03/2021
Serial Number	00017606RW
SKU Number	1234567#ABA
Universally Unique Identifier (UUID)	F2A0AB75B100164F8A7FFAD0DCFA247B
UUID (standard format)	75ABA0F2-00B1-4F16-8A7F-FAD0DCFA247B
Asset Tracking Number	

Help

Main

Item Specific Help

Product Name   HP Engage Go 10 Mobile System
Memory Size   8192 MB
Storage Devices   WDC PC SN520 SDAPTUW-256G-1006-210233441615 (256 GB)

PROCESSOR 1 ---

ProcessorType   11th Gen Intel(R) Core(TM) i5-1140G7 @ 1.10GHz
Cache Size (L1/L2/L3)   320 KB / 5 MB / 8 MB
Processor Speed   1200 MHz
Processor Cores   4
MicroCode Revision   86
Processor Stepping   1
Memory Speed   4267 MHz
Bottom-OnBoard 1-1   1 GB Micron
Bottom-OnBoard 1-2   1 GB Micron
Bottom-OnBoard 2-1   1 GB Micron
Bottom-OnBoard 2-2   1 GB Micron
Bottom-OnBoard 3-1   1 GB Micron
Bottom-OnBoard 3-2   1 GB Micron
Bottom-OnBoard 4-1   1 GB Micron
Bottom-OnBoard 4-2   1 GB Micron

Help

Main

Item Specific Help

FIRMWARE --

System BIOS   T97 Ver. 80.40.01 05/26/2021
ME Firmware Version   15.0.23.1706
ME Firmware Mode   Enable
Audio Controller   Realtek ALC3292
Video BIOS Version   Intel(R) GOP Driver [17.0.1059]
Reference Code Revision   A.0.4F.31
Embedded Controller Firmware Version   49.1C.00
USB Type-C Controller(s) Firmware Version:

                                               CCG6 (Dual Port PD) : 0.4.0
                                               CCG6 (Single Port PD): 0.4.0

Camera Controller Firmware

                                               Front Camera : 0013
                                               Rear Camera: 0004

Dock FW Version   00.00

Help

Item Specific Help

SERVICE --

Born On Date	09/03/2021
Serial Number	00017606RW
SKU Number	1234567#ABA
Dock Serial Number	N/A
Universally Unique Identifier (UUID)	F2A0AB75B100164F8A7FFAD0DCFA247B
Asset Tracking Number	
Feature Byte	3X476J6S6b7B7N7R7B7W7m7saBapaqaub8bTbhcAdUdpdqf PfXgujqk8mEmwnVngpt.A2
Build ID	21WWPGAT6at#SABA#DABA
Product Family	103C_5336AN HP Engage Go Mobile
System Board ID	888C
System Board CT Number	PC10E7C6752D94
Primary Battery Serial Number	01256 2021/05/13

Help

HP PC Hardware Diagnostics UEFI

Please select a Language.

English

Cestina

Dansk

Deutsch

Nederlands

Espanol

eesti keel

Suomi

Francais

Hrvatski

Magyar

HP Computer Setup

BIOS Event Log

Clear BIOS Event Log on Next Boot

Item Specific Help

Help

View BIOS Event Log

Date	Time	Description

No event have been logged

Item Specific Help

Help

Export to USB Key

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

Main

Update System BIOS

Current System BIOS Version: T97 Ver. 80.40.01
Current BIOS Release Date: 05/26/2021
Installation Date of Current BIOS: 06/24/2021
Most Recent Update Check: Never Checked

----

(1)

    Lock BIOS Version **(2)**

    Native OS Firmware Update Service

BIOS Rollback Policy **(3)**

    Allow BIOS Updates Using a Network **(4)**

(5)

(6)

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.

Network BIOS Update

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

BIOS Update Preferences

    Check for Update on Next Reboot **1**

BIOS Source **2**

Automatic BIOS Update Setting

3

BIOS Update Frequency **4**

Help

Item Specific Help

1. Check for Update on Next Reboot
Enable/Disable an automatic BIOS check on next reboot.

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

Automatic BIOS Update Setting
Choose one of the available options.
Click on the field to see the options.

3. BIOS Update Frequency
Choose one of the available options.

Network Configuration Settings

Proxy Server **1**

2

IPv4 Configuration **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.

HP

Item Specific Help

Change Date And Time

Set Date (MM/DD/YYYY)   09 / 24 / 2019
Set Time (HH:MM):   02 : 56

Help

HP Computer Setup

System IDs

Item Specific Help

Help

Asset Tracking Number

Current Setting:

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

Replicated Setup

Help

Security

Administrator Tools

1

Fingerprint Reset on Reboot

Security Configuration

Physical Presence Interface **2**
Trusted Execution Technology (TXT)

Utilities

Absolute® Persistence Module Current State

Activation Status : Inactive

Absolute® Persistence Module Permanent Disable : No

System Management Command

Item Specific Help

1. Create BIOS Administrator Password
   The Administrator password controls access to the following features:
   - Setup Menu (F10)
   - 3rd Party Option ROM Management (F3)
   - Update System ROM
   - WMI Commands that change system settings
   - BIOS Configuration Utility (BCU)
   - Alternative Power-On Password

2. 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

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.
   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

    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   **3**

Sure Start Security Event Boot Notification

Item Specific Help

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

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

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

3. Sure Start Security Event Policy
This setting controls HP Sure Start behavior upon identifying a critical security event (any modification to HP firmware) during OS runtime.
- Log event only - HP Sure Start will log all critical security events 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

Secure Boot Configuration

    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

Secure Platform Management (SPM)

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

SPM

    SPM Current State: Not provisioned

HP Sure Admin

Enhanced BIOS Authentication Mode (EBAM)

    EBAM Current State: Disabled

Local Access Key: Not Present

HP Sure run

    HP Sure Run Current State: Inactive

Item Specific Help

1. Create BIOS Administrator Password
  The Administrator password controls access to the following features:
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- 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)

Item Specific Help

Hard Drive Utilities

Save/Restore GPT of System Hard Drive

Boot Sector (MBR/GPT) Recovery Policy

Allow OPAL Hard Drive SID Authentication

Disable DriveLock on NVMe drives before using applications for hardware-based encryption.

Help

HP Computer Setup

Select a Drive

1

Item Specific Help

1. **M.2 SSD 1: SAMSUNG MZ-VL21T0HCLR-00BH1-S641NEON900686**
   Set HDD Password

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

Select a Drive

Item Specific Help

Help

BIOS Administrator Password

Enter BIOS Administrator Password

HP

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**

1

Remote HP PC Hardware Diagnostics

2

4

Display Language

Select Language

Select Keyboard Layout

Item Specific Help

Scheduled Power-On

Sunday

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Hour   0
Minute   0

Item Specific Help

Boot Options

Startup Delay (sec.)

    Fast Boot

    USB Storage Boot
    Network (PXE) Boot
    IPv6 during UEFI Boot
    Power On When AC Detected
    Prompt on Battery Errors
    Prompt on Fixed Storage Change
    Audio Alerts During Boot
    NumLock on at boot

UEFI Boot Order

        M.2 SSD: Windows Boot Manager
        USB:
        USB NETWORK BOOT:
        USB NETWORK BOOT:

HP Sure Recover

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

    Prompt before Boot Failure Recovery **4**

Recovery Agent
    URL: http://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 a no bootable UEFI OS is found, the user is notified of the boot failure and asked to choose whether to start or cancel HP Sure Recover.

System Options

   Configure Storage Controller for RAID

   Turbo-boost
   Hyperthreading

   Virtualization Technology (VTx)
   Virtualization Technology for Directed I/O (VTd)
   DMA Protection
Pre-boot DMA protection   **1**
   Full encryption of main memory (DRAM)
   Fast Charge
   USB Type-C Connector System Software Interface (UCSI)   **4**
   Enable High Resolution mode when connected to a USB-C DP alt mode dock
   Intel Dynamic Tuning
Sanitization Mode Countdown Timer

Pre-Sanitization Mode Countdown timer

   HP Application Driver
   Reset HP Smart Dock Policy
   Keep I/O Connectivity Enabled when Undocked

Item Specific Help

1. **Pre-boot DMA protection**
   Selecting The Device Scope For Prer-Boot DMA Protection

2. **Early PCIe Delay**
   Configurable delay to allow add-in PCIe cards to finish training prior to system firmware disabling root ports which don't appear to have any devices connected to them.

3. **NVMe Write Endurance Masking**
   When enabled, system will no longer pause to report a critical error during boot when NVMe write endurance is exceeded. All other errors will continue to be reported as usual.

4. **USB Type-C Connector System Software Interface (UCSI)**
   The UCSI option should be disabled if booting a Microsoft Windows 10 version before 1709 to avoid system stability issues.

Built-In Device Options

Wake On LAN

Magnetic Stripe Reader

Video memory size

Audio Device

Microphone

Internal Speakers

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

Tile Deactivate

Boost Converter

Barcode Scanner

Tablet connected to dock

Tablet not connected to dock

Barcode Scanner Sleep Support

Integrated Front Camera

Integrated Rear Camera

Fingerprint Device

Touch Device

Ingenico Moby 5500

Support Low Power Mode on Ingenico Moby 5500

NFC

Item Specific Help

Port Options

USB Legacy Port Charging **1**

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

USB Type-C Ports

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.

Remote Management Options

    Intel Active Management Technology (AMT)

    USB Key Provisioning Support

    USB Redirection Support

Unconfigure AMT on next boot

SOL Terminal Emulation Mode

    Show Unconfigure ME Confirmation Prompt

    Verbose Boot Messages

    Watchdog Timer

    OS Watchdog Timer (min.)

    BIOS Watchdog Timer (min.)

CIRA Timeout (min.)

Item Specific Help

MAC Address Pass Through

Host Based MAC Address

Item Specific Help

Remote HP PC Hardware Diagnostics

Diagnostics Download URL   **1**
➡ Custom Download Address

Diagnostics Logs Upload URL
                                        2
                            3
                            4

Scheduled Execution

Frequency   **5**

Execute On Next Boot   **6**

Item Specific Help

1. Diagnostics Download URL
   Select between HP server URL and a custom
   server URL.

2. Custom Upload Address
   Configure a URL for diagnostics logs upload.

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

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

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

6. Execute On Next Boot
   Enable/disable the execution on next boot.
   The flag will be disabled after the
   diagnostics have run.

Custom Upload URL

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

Custom Server Username

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

Custom Server Password

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

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