

Interactive BIOS simulator

HP EliteDesk 800 G4 TWR

Welcome to the interactive BIOS simulator for the
HP EliteDesk 800 G4 TWR

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

Help



BASIC SYSTEM INFORMATION

Product Name	HP EliteDesk 800 G4 TWR
Processor 1	Genuine Intel(R) CPU 0000 @ 2.90GHz
Memory Size	8192 MB
System BIOS	Q01 Ver. 00.18.00 12/06/2017

SERVICE -----

Born On Date	12/21/2017
Serial Number	TBW2030063
SKU Number	2UZ41AV
Universally Unique Identifier (UUID)	B1852B1B-9B18-3CFD-7F62-2704204ECF6B
Asset Tracking Number	TBW2030063

Item Specific Help

Help



ADVANCED SYSTEM INFORMATION

Product Name HP EliteDesk 800 G4 TWR
Memory Size 8192 MB

PROCESSOR 1 -----

ProcessorType Genuine Intel(R) CPU 0000 @ 2.90GHz
Cache Size (L1/L2/L3) 384 KB /1536 MB / 12 MB
Processor Speed 2900 MHz
MicroCode Revision 70
Processor Stepping A
Memory Speed 2133 MHz
DIMM1 8 GB Hynix/Hyundai
DIMM2 Empty
DIMM3 Empty
DIMM4 Empty

Item Specific Help

Help



FIRMWARE -----

System BIOS	Q01 Ver. 00.18.00 12/06/2017
ME Firmware Version	12.0.0.1031
ME Firmware mode	Enabled
Video BIOS Version	AMD GOP X64 Release Drive Rev. 1.62.0.15.50.Mar 27 2017.10:13:02
Reference Code Revision	7.0.22.43
Super I/O Firmware Version	7.7.3
USB Type-C Controller(s) Firmware Version:	
	CCG5 : 5.6.0

Item Specific Help

Help



SERVICE -----

Born On Date	12/21/2017
Serial Number	TBW2030063
SKU Number	2UZ41AV
Universally Unique Identifier (UUID)	B1852B1B-9B18-3CFD-7F62-2704204ECF6B
Asset Tracking Number	TBW2030063
Feature Byte	3E3X476J6S6U6b7B7H7M7Q7T7W7mapaqaubhdUdpdqhK.4R
Build ID	18WWF8AT6ay#SABA#DABA
Product Family	103C_53307F HP EliteDesk
System Board ID	83E0
System Board CT Number	PGTXHX3CYA7C0F

COMMUNICATION -----

Integrated MAC Address 1	3C-52-82-66-11-90
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Item Specific Help

Help



HP PC Hardware Diagnostics UEFI

Please select a Language.

English

Cestina

Dansk

Deutsch

Nederlands

Espanol

eesti keel

Suomi

Francais

Hrvatski

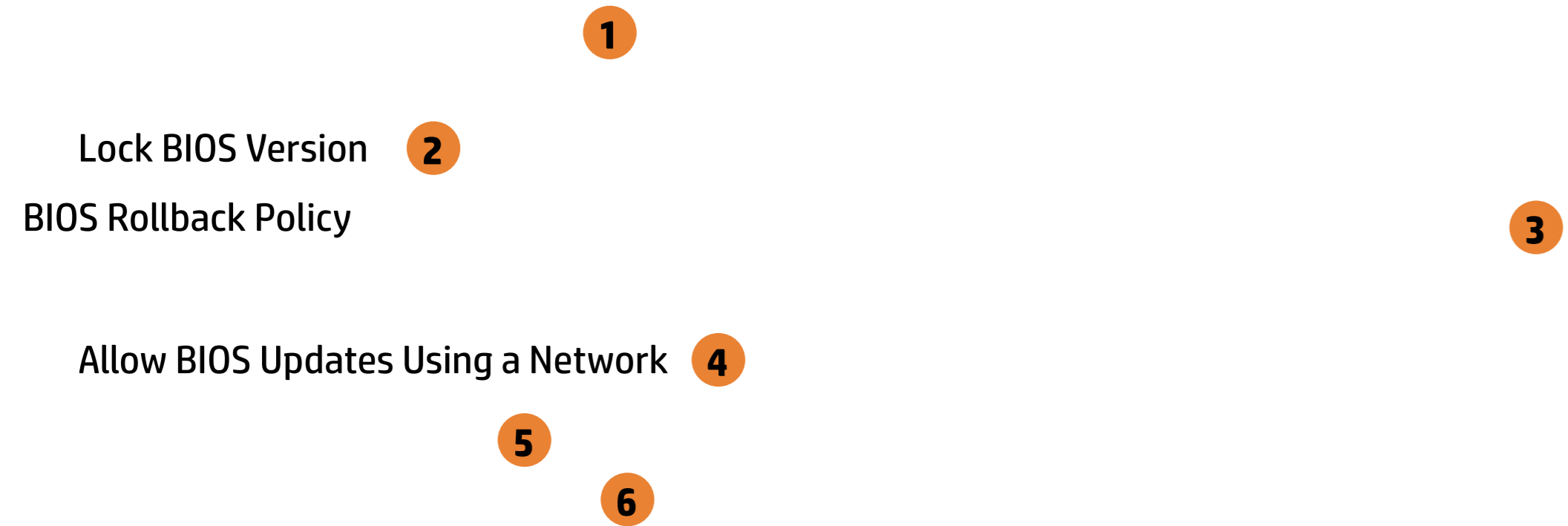
Magyar





Update System BIOS

Current System BIOS Version:	Q01 Ver. 00.18.00
Current BIOS Release Date:	12/06/2017
Installation Date of Current BIOS:	12/20/2017
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.

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.



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

➔ [IPv4 Subnet Mask](#)

➔ [IPv4 Gateway](#)

3

DNS Configuration

4

Data transfer timeout

Force HTTP no-cache **5**

Item Specific Help

- 1. Proxy Server**
Enable/Disable the use of a proxy server.
- 2. Test Network Connection**
Check the network connection using current BIOS update configuration.
Click on the field to see the options.
- 3. IPv4 Configuration**
Setup for static IPv4 address.
Click on the field to see the options.
- 4. DNS Configuration**
Configure a list of DNS addresses.
- 5. Force HTTP no-cache**
Disable HTTP caching.

Help

Test Network Connection

Your network server connection is working.

IPV4 Configuration: Automatic

IPV4 Address: 192.168.0.106

IPV4 Subnet Mask: 255.255.255.0

IPV4 Gateway: 192.168.0.1

DNS Configuration: Automatic

Primary DNS: 75.75.75.75

Secondary DNS: 75.75.76.76

MAC Address: 88-88-88-88-87-88

Current Proxy:

Current Custom Source URL: HP.COM



Change Date And Time

Set Date (MM/DD/YYYY)

06 / 05 / 2018

Set Time (HH:MM):

15 : 22

Item Specific Help

Help

Main



HP Computer Setup

Item Specific Help

Help



Feature Byte

Current Setting: 3E3X476J6S6U6b7B7H7M7Q7T7W7mapaqaubhdUdpdqhK.4R



Build ID

Current Setting: 18WWF8AT6ay#SABA#DABA

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



Serial Number

Current Setting: TBW2030063

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



SKU Number

Current Setting: 2UZ41AV

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



Product Family

Current Setting: 103C_53307F HP EliteDesk

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



System Board CT Number

Current Setting: PGTXHX3CYA7C0F

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



Product Name

Current Setting: HP EliteDesk 800 G4 TWR

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

Main



HP Computer Setup

System IDs

Item Specific Help

Help



Asset Tracking Number

Current Setting: TBW2030063

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



Ownership Tag

Current Setting:

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

Main



HP Computer Setup

Replicated Setup

Item Specific Help

Help

Replicated Setup

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

Replicated Setup

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



Are you sure you want to save custom defaults and exit?

Item Specific Help



Are you sure you want to apply custom defaults and exit?

Item Specific Help



Are you sure you want to apply factory defaults and exit?

Item Specific Help



Are you sure you want to ignore changes and exit?

Item Specific Help



Are you sure you want to save changes and exit?

Item Specific Help



Administrator Tools

1

Fingerprint Reset on Reboot

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

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)

Help



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

BIOS Data Recovery Policy

Dynamic Runtime Scanning of Boot Block

Sure Start BIOS Settings Protection **1**

Require BIOS Administrator Password to be set

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

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 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



Security

HP Computer Setup

HP Secure Platform Management (SPM)

HP Sure Run Current State: Inactive

SPM Current State: Not provisioned

Item Specific Help



Hard Drive Utilities

Save/Restore MBR of the system hard drive is only available with drives that have a Master Boot Record.

Save/Restore GPT of the system hard drive is only available with drives that have a GUID Partition Table.

Boot Sector (MBR/GPT) Recovery Policy

Allow OPAL Hard Drive SID Authentication

Item Specific Help

Help



Security

HP Computer Setup

Select a Drive

Item Specific Help

Help



Security

HP Computer Setup

Select a Drive

Item Specific Help

Help



Restore Security Settings to Factory Defaults

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



1

Remote HP PC Hardware Diagnostics

2

3

Item Specific Help

1. Port Options

Enable/Disable Port Settings

2. Settings

Set the configuration for Remote HP PC Hardware Diagnostics, including the URLs used for download and upload, the scheduled execution frequency, etc.

Execute Remote HP PC Hardware Diagnostics

Immediate execution of Remote HP PC Hardware Diagnostics based on the configurations is Settings option. Note that any unsaved BIOS settings are lost.



Advanced

HP Computer Setup

Display Language

Select Language

Select Keyboard Layout

Item Specific Help



Advanced

HP Computer Setup

Scheduled Power-On

Sunday

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Hour 0

Minute 0

Item Specific Help



Advanced

Boot Options

Startup Delay (sec.)

- Fast Boot
- CD-ROM Boot
- USB Storage Boot
- Network (PXE) Boot

After Power Loss

- Prompt on Memory Size Change
- Prompt on Fixed Storage Change
- Audio Alerts During Boot
- NumLock on at boot

UEFI Boot Order

Windows Boot Manager

USB:

SATA CD:

Network Boot:IPV4 Network - Intel (R) Ethernet connection (7) I219-LM

Network Boot:IPV6 Network - Intel (R) Ethernet connection (7) I219-LM

 Legacy Boot Order

Enable legacy boot, save settings & exit, then return to setup.

Item Specific Help



Advanced

HP Sure Recover

HP Sure Recover

Recover from Network

Recover after Boot Failure

Prompt before Boot Failure Recovery

Recover Agent

URL: <ftp://ftp.hp.com/pub/pcbios/CPR>

Username:

Provisioning Version: 0

Recovery Image

URL:

Username:

Provisioning Version: 0

Item Specific Help



Advanced

HP Computer Setup

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

Ready BIOS for Device Guard Use

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

Item Specific Help



Advanced

HP Computer Setup

System Options

- Configure Storage Controller for RAID
- POST Prompt for RAID Configuration
- Configure Storage Controller for Intel Optane
- Turbo-boost
- Hyperthreading
- Multi-processor
- Virtualization Technology (VTx)
- Virtualization Technology for Directed I/O (VTd)
- PCI Express x16 Slot 1
- PCI Express x1 Slot 1
- PCI Express x1 Slot 2
- PCI Express x4 Slot 1
- M.2 WLAN/BT
- M.2 SSD1
- M.2 SSD2
- Allow PCIe/PCI SERR# Interrupt

Power Button Protection

Item Specific Help



Advanced

Built-In Device Options

- Embedded LAN Controller
- Wake On LAN
- Dust Filter
- Dust Filter Reminder (Days)
- Integrated Video
- VGA Boot Device
- Video memory size
- Audio Device
- Microphone
- Internal Speakers
- Increase Idle Fan Speed(%) 0
- M.2 USB / Bluetooth

Item Specific Help



Advanced

HP Computer Setup

Port Options

Serial Port A

I/O Address A

Interrupt A

Front USB Ports

Front USB Port 1

Front USB Port 2

Front USB Port 3

Front USB Port 4

Front USB Port 5

Rear USB Ports

Rear USB Port 1

Rear USB Port 2

Rear USB Port 3

Rear USB Port 4

Rear USB Port 5

Rear USB Port 6

Item Specific Help



Advanced

HP Computer Setup

Port Options

USB Legacy Port Charging

Front USB Type-C Downstream Charging

Media Card Reader/SD_RDR USB

SATA 0

SATA 1

SATA 2

SATA 3

Restrict USB Devices

Item Specific Help



Advanced

HP Computer Setup

Option ROM Launch Policy

Configure Option ROM Launch Policy

1

Item Specific Help

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



Advanced

HP Computer Setup

Power Management Options

Runtime Power Management

Extended Idle Power States

S5 Maximum Power Savings

SATA Power Management

PCI Express Power Management

Power On from Keyboard Ports

Unique Sleep State Blink Rates

Item Specific 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.)

3

BIOS Watchdog Timer (min.)

3

CIRA Timeout (min.)

Item Specific Help

- 1. Unconfigure AMT on next boot**
Perform AMT/ME unconfigure without password operation.
- 2. Watchdog Timer**
Enable/Disable WatchDog Timer.
- 3. OS & BIOS Watchdog Timer**
Set OS Watching timer (Minutes).



Advanced

HP Computer Setup

Settings

Diagnostics Download URL

1

2

Diagnostics Logs Upload URL

3

4

5

Scheduled Execution

6

Frequency

7

Execute On Next Boot

8

9

Item Specific Help

- 1. Diagnostics Download URL**
Select between HP server URL and a custom server URL.
- 2. Custom Download Address**
Configure a URL for HP PC Hardware diagnostics download.
- 3. Custom Upload Address**
Configure a URL for diagnostics logs upload.
- 4. Username**
Configure the username for uploading diagnostics logs to the server, if authentication is required.
- 5. Password**
Configure the password for uploading diagnostics logs to the server, if authentication is required.
- 6. Schedule Execution**
Enable/disable the schedule execution of Remote HP PC Hardware Diagnostics
- 7. Frequency**
Select the frequency for scheduled execution of Remote HP PC Hardware Diagnostics.
- 8. Execute On Next Boot**
Enable/disable the execution on next boot. The flag will be disabled after the diagnostics have run.
- 9. Last Execution Result**
Displays the results of the last Remote HP PC Hardware Diagnostics execution.



Custom Download URL

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



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



Remote PC Hardware Daignostics Result

Remote HP PC Hardware Daignostics was never executed.



Advanced

HP Computer Setup

Remote HP PC Hardware Diagnostics

Status of last attempted to execute: Could not detect network line or network cable is unplugged.

Item Specific 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.

Item Specific Help