

Interactive BIOS simulator

HP Pro Desk 400 G4 DM (35W)

Welcome to the interactive BIOS simulator for the
HP Pro Desk 400 G4 DM (35W)

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



BASIC SYSTEM INFORMATION

Product Name	HP Pro Desk 400 G4 DM (35W)
Processor 1	Intel(R) Celeron(R) G4900T CPU @ 2.90 GHz
Memory Size	8192 MB
System BIOS	Q23 Ver. 80.30.14 02/13/2018

SERVICE -----

Born On Date	00/00/0000
Serial Number	5CD8085NCT
SKU Number	D80PVTB#001
Universally Unique Identifier (UUID)	931F00D2-F91A-F5A2-FA8E-DB838A973335
Asset Tracking Number	5CD8085NCT

Item Specific Help

Help



ADVANCED SYSTEM INFORMATION

Product Name HP Pro Desk 400 G4 DM (35W)
Memory Size 8192 MB

PROCESSOR 1 -----

Processor Type Intel(R) Celeron(R) G4900T CPU @ 2.90 GHz
Cache Size (L1/L2/L3) 128 KB / 512 KB / 2 MB
Processor Speed 2800 MHz
MicroCode Revision 80
Processor Stepping B
Memory Speed 2133 MHz
DIMM1 8 GB Kingston
DIMM3 Empty

Item Specific Help

Help



ADVANCED SYSTEM INFORMATION

FIRMWARE -----

System BIOS	Q23 Ver. 80.30.14 02/13/2018
ME Firmware Version	12.0.0.1059
ME Firmware Mode	Enabled
Video BIOS Version	INTEL(R) VBIOS [1006.0]
Reference Code Revision	7.0.1C.58
Super I/O Firmware Version	C7.7.3

SERVICE -----

Born On Date	00/00/0000
Serial Number	5CD8085NCT
SKU Number	D80PVTB#001
Universally Unique Identifier (UUID)	931F00D2-F91A-F5A2-FA8E-DB838A973335

Item Specific Help

Help



Universally Unique Identifier (UUID)	931F00D2-F91A-F5A2-FA8E-DB838A973335
Asset Tracking Number	5CD8085NCT
Feature Byte	3E3X475K6J6S6b7B7H7M7Q7T7W7maBapaqaubhdUdpdggd.Gq
Build ID	18WWQ4AT6az#SABA#DABA
Product Family	103C_53307F HP ProDesk
System Board ID	83F3
System Board CT Number	PGVMFX58JAG05V

COMMUNICATION -----

Integrated MAC Address	80-CE-62-36-C7-2B
------------------------	-------------------

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:	Q23 Ver. 80.30.14
Current BIOS Release Date:	02/13/2018
Installation Date of Current BIOS:	02/26/2018
Most Recent Update Check:	Never Checked

BIOS Rollback Policy

Allow BIOS Updates Using a Network

1

2

3

4

5

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.

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.



Minimum BIOS Version

Current Minimum BIOS Version: 00.00.00

Minimum BIOS Version:



BIOS Update Preferences

Check for Update on Next Reboot **1**

BIOS Source

2

Automatic BIOS Update Setting

3

BIOS Update Frequency

4

Help

Item Specific Help

1. Check for Update on Next Reboot

Enable/Disable an automatic BIOS check on next reboot.

2. BIOS Source

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

3. Automatic BIOS Update Setting

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

4. BIOS Update Frequency

Choose one of the available options.



Network Configuration Settings

Proxy Server **1**

2

IPv4 Configuration

➔ [IPv4 Subnet Mask](#)

➔ [IPv4 Gateway](#)

3

DNS Configuration

4

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.



Change Date And Time

Set Date (MM/DD/YYYY)

05 / 25 / 2018

Set Time (HH:MM):

09 : 14

Item Specific Help

Help

Main



HP Computer Setup

Item Specific Help

Help



Feature Byte

Current Setting: 3E3X475K6J6S6b7B7H7M7Q7T7W7maBapaqaubhdUdpdggd.Gq



Build ID

Current Setting: 18WWQ4AT6az#SABA#DABA

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



Serial Number

Current Setting: 5CD8085NCT

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



SKU Number

Current Setting: D80PVTB#001

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



Product Family

Current Setting: 103C_53307F HP ProDesk

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



System Board CT Number

Current Setting: PGVMFX58JAG05V

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



Product Name

Current Setting: HP ProDesk 400 G4 DM

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: 5CD8085NCT

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



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

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



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).



Smart Cover

Cover Removal Sensor

1

Item Specific Help

1. Cover Removal Sensor

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



Hard Drive Utilities

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

Save/Restore GPT of System Hard Drive **1**

Boot Sector (MBR/GPT) Recovery Policy

Allow OPAL Hard Drive SID Authentication

Item Specific Help

- 1. Save/Restore GPT of System Hard Drive**
Enabling this feature will save the GUID Partition table (GPT) of the system Hard Drive. If the GPT is subsequently changed the user will be prompted to choose whether to restore GPT.

Help



Security

HP Computer Setup

Select a Drive

Item Specific Help

Help



Security

HP Computer Setup

Select a Drive

Item Specific Help

Help



DriveLock Security Options

Automatic Drivelock

A BIOS Administration Password must be defined before you can enable Automtmc DriveLock

2

1

Help

Item Specific Help

- 1. Set DriveLock Master Password**
Sets the drive's Master password, but it does not enable DriveLock.
- 2. Enable DriveLock**
Sets the drive's User password and enables DriveLock.



Set DriveLock Master Password

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

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

Enter DriveLock Master Password.



Set DriveLock User Password

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

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

Enter DriveLock User Password.



Security

HP Computer Setup

Select a Drive

Item Specific Help

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.



Security

HP Computer Setup

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

Item Specific Help



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.

3. Execute Remote HP PC Hardware Diagnostics

Immediate execution of Remote HP PC Hardware Diagnostics based on the configurations in 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

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

1

SATA0: Windows Boot Manager

USB:

IPV4 Network - Realtek PCIe GBE Family Controller

IPV6 Network - Realtek PCIe GBE Family Contorller

Legacy Boot Order

USB:

SATA0: ST500LX025-1U717D-SSHD

Item Specific Help

1. After Power Loss

Determine the system's state after power is lost to the unit.



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 Password to be configured and Secure Boot to be enabled.

Item Specific Help



Advanced

System Options

Configure Storage Controller for Intel Optane Multi-processor

Virtualization Technology (VTx)

Virtualization Technology for Directed I/O (VTd)

M.2 SSD **1**

M.2 WLAN/BT **2**

Allow PCIe/PCI SERR# Interrupt

Power Button Override **3**

Item Specific Help

1. M.2 SSD

Hides the slot from the OS

2. M.2 WLAN/BT

Hides the slot from the OS

3. Power Button Override

Click on the field to see the options.



Advanced

HP Computer Setup

Built-In Device Options

Embedded LAN Controller

Wake On LAN

Dust Filter

Dust Filter Reminter (Days)

Video memory size

Audio Device **1**

Microphone

Internal Speakers

Increase Idel Fan Speed (%) 0

M.2 USB / Bluetooth

LAN/WLAN Auto Switching

Wake on WLAN

Item Specific Help

1. Audio Device

Hides the Audio device from OS



Port Options

- Front USB Ports **1**
- Front USB Port 1 **2**
- Front USB Port 2 **2**
- Rear USB Ports **3**
- Rear USB Port 1 **4**
- Rear USB Port 2 **4**
- Rear USB Port 3 **4**
- Rear USB Port 4 **4**
- USB Legacy Port Charging **5**
- SATA 0 **6**

Restrict USB Devices

Item Specific Help

- 1. Front USB Ports**
Hides the front USB ports from the OS
- 2. Front USB Port 1-2**
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. Rear USB Ports**
Hides the rear USB ports from the OS
- 4. Rear USB Port 1-4**
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.
- 5. USB Legacy Port Charging**
Enable USB Charging port for charging capability when system Hibernate/Shutdown
- 6. SATA 0**
Hides the SATA port from the OS



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 the EFI versus Legacy Option ROMs



Power Management Options

Runtime Power Management **1**

Extended Idle Power States **2**

S5 Maximum Power Savings **3**

SATA Power Management

PCI Express Power Management **4**

Power On from Keyboard Ports **5**

Unique Sleep State Blink Rates

Item Specific Help

1. Runtime Power Management

Enables Runtime Power Management.

2. Extended Idle Power States

Increases the OS's Idle Power Savings.

3. S5 Maximum Power Savings

Enabling this feature reduces the power of this system as much as possible in the S5 state.

Power is removed from the wake up circuitry, the expansion slots and any management features while in S5.

4. PCI Express Power Management

Enabling this option permits the PCI Express links to use Active State Power Management (ASPM) to enter low power states while not in use.

5. Power On from Keyboard Ports

To wake up system from Hibernate/Shutdown via keyboard.



Advanced

HP Computer Setup

Remote HP PC Hardware Diagnostics

Diagnostics Download URL

➔ [Custom Download Address](#)

Diagnostics Logs Upload URL

3

4

2

Scheduled Execution

Frequency

Execute On Next Boot

1

5

6

7

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. Scheduled Execution

Enable/disable the scheduled execution of Remote HP PC Hardware Diagnostics.

6. Frequency

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

7. 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



Upload Server Username

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



Upload Server Password

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



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