

# Interactive BIOS simulator

## HP Z4 G4 Workstation

Welcome to the interactive BIOS simulator for the  
HP Z4 G4 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

Main

Security

Advanced

UEFI Drivers



Item Specific Help

Suppress POST Errors



BASIC SYSTEM INFORMATION

Product Name	HP Z4 G4 Workstation
Processor 1	Genuine Intel(R) CPU 0000%@
Memory Size	8 GB ECC RDDR4
System BIOS	P61 v01.07 11/13/2017

SERVICE -----

Born On Date	00/00/0000
Serial Number	
SKU Number	1JP11AV
Universally Unique Identifier (UUID)	SCC5E2BA-2E08-B220-E2C9-2A2EBSC5013C
Asset Tracking Number	

Item Specific Help

Help



ADVANCED SYSTEM INFORMATION

Product Name	HP Z4 G4 Workstation
Memory Size	16384 MB
Memory Speed	2133 MHz

PROCESSOR 1 -----

ProcessorType	Genuine Intel(R) CPU 0000% @
Cache Size (L1/L2/L3)	256 KB / 4 MB / 8448 KB
Processor Speed	2400 MHz
MicroCode Revision	80000034
Processor Stepping	2
CPU0-DIMM1	8 GB Hynix
CPU0-DIMM2	Empty
CPU0-DIMM3	Empty
CPU0-DIMM4	Empty
CPU0-DIMM5	Empty
CPU0-DIMM6	Empty
CPU0-DIMM7	Empty
CPU0-DIMM8	Empty

Item Specific Help

Help



FIRMWARE -----

System BIOS	P61 v01.07 11/13/2017
ME Firmware Version	11.11.50.1422
ME Firmware Mode	AMT Disabled
Reference Code Revision	147R015
Super I/O Firmware Version	6.3.3

Item Specific Help

Help



SERVICE -----

Born On Date	00/00/0000
Serial Number	
SKU Number	1JP11AV
Universally Unique Identifier (UUID)	SCC5E2BA-2E08-B220-E2C9-2A2EBSC5013C
Asset Tracking Number	
Feature Byte	
Build ID	
Product Family	103C_53335X HP Workstation
System Board ID	81C5
System Board CT Number	

COMMUNICATION -----

Embedded LAN Controller (AMT) MAC Address	3C-52-82-DB-7A-27
Intel I210 Embedded LAN Port MAC Address	A0-8C-FD-DD-D4-49

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







Update System BIOS

Current System BIOS Version:	P61 V01.07
Current BIOS Release Date:	11/13/2017
Installation Date of Current BIOS:	01/01/2016
Most Recent Update Check:	Never Checked

1

BIOS Rollback Policy

Allow BIOS Updates Using a Network 2

3

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. Allow BIOS Updates Using a Network**

Enable/Disable automatic BIOS updates through the network in a scheduled basis.

**3. BIOS Update Preferences**

Sets the configurations to perform BIOS updates through the network.



# 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.*

**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.



# Configure Update Source

---

There is no custom 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 System MAC Address and press ENTER to SAVE



Network Configuration Settings

Proxy Server **1**

**2**

IPv4 Configuration

➔ [IPv4 Subnet Mask](#)

➔ [IPv4 Gateway](#)

**3**

DNS Configuration

**4**

Data transfer timeout

100

Force HTTP no-cache **5**

Help

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.

# 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: EC:B1:D7:63:65:DE

Current Proxy:

Current Custom Source URL: HP.COM



Change Date And Time

Set Date (MM/DD/YYYY)

08 / 07 / 2017

Set Time (HH:MM):

23 : 05

Item Specific Help

Help



Main



HP Computer Setup

System IDs

Item Specific Help

Help



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Feature Byte

Current Setting:



---

**Build ID**

**Current Setting:**

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



---

Serial Number

Current Setting:

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



---

SKU Number

Current Setting: 1JP11AB

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



---

**Product Family**

**Current Setting: 103C\_53335X HP Workstation**

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



System Board CT Number

Current Setting:

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



---

Product Name

Current Setting: HP Z4 G4 Workstation

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:

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.



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





Main

HP Computer Setup

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

Security Configuration

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



# BIOS Administrator Password

---

Enter BIOS Administrator Password



# POST Power-On Password

---

Enter POST Power-On Password

# Password Policies

---

## Password Maximum Length

At least one symbol is required in Administrator and User passwords

At least one number is required in Administrator and User passwords

At least one upper case character is required in Administrator and User passwords

At least one lower case character is required in Administrator and User passwords

Are spaces allowed in Administrator and User passwords?

## Clear Password Jumper



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

Sure Start BIOS Settings Protection **1**

Requires BIOS Administrator Password to be set

Enhanced HP Firmware Runtime Intrusion and Detection **2**

Sure Start Security Even Policy **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 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

## System Security

Virtualization Technology (VTx)

Virtualization Technology for Directed I/O (VTd)

Trusted Execution Technology (TXT)

TXT cannot be enabled unless VTx, VTd, and TPM are enabled first.

## 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 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.

## Allow OPAL Hard Drive SID Authentication

### Item Specific Help

Help



# Security

HP Computer Setup

Select a Drive

## Item Specific Help

- 1. SATA0: ST500LX025-1U717D-SSHD**  
Set HDD Password

Help



## DriveLock Security Options

### Allow OPAL Hard Drive SID Authentication

A BIOS Administrator Password must be defined before you can enable Automatic Drivelock.

### Item Specific Help

Help



# 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 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 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 **1**

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Hour 0

Minute 0

### 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.



# Advanced

## Boot Options

### Startup Delay (sec.)

Fast Boot

CD-ROM Boot

USB Storage Boot

Network (PXE) Boot

## Network (PXE) Boot Configuration

### After Power Loss

Prompt on Memory Size Change

NumLock on at boot

UEFI Boot Order

USB Drives

CD/DVD Drives

SATA0: Hard Drive

New Mass Storage

NETWORK BOOT: IPV4 Network - Intel(R) Ethernet Connection (2) 1219-LM

NETWORK BOOT: IPV4 Network - Intel(R) 1210 Gigabit Network Connection

NETWORK BOOT: IPV6 Network - Intel(R) Ethernet Connection (2) 1219-LM

NETWORK BOOT: IPV6 Network - Intel(R) 1210 Gigabit Network Connection

Legacy Boot Order

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

### Item Specific Help

#### 1. After Power Loss

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

1



# Advanced

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.

1

## Item Specific Help

### 1. Ready BIOS for Device Guard Use

When set to “Configure on Next Boot”, the BIOS will change the feature listed below to their suggested Device Guard states, on the boot after saving changes and exit.

Virtualization features will be enabled.

Removable and network boot devices will be disabled (for example, USB boot, CD-ROM boot, Thunderbolt boot, etc.).

MS UEFI CA Key will be disabled.

When set to “Clear Configuration on Next Boot”, the BIOS will set the listed features to their Custom Default state if custom defaults have been saved. If custom defaults have not been saved, the BIOS will restore the listed features to their factory default states.



# Advanced

HP Computer Setup

## System Options

SATA Controller

SATA Controller RAID Mode

1 TB Memory cap

1 TB Memory cap

PCIe MMIO Assignment Mode

PCIe Training Reset

## Item Specific Help



# Advanced

HP Computer Setup

## Built-In Device Options

Embedded LAN Controller

Wake On LAN

Intel I210 Embedded LAN Port

Audio Device **1**

Internal Speakers

LAN / ALAN Auto Switching

Increase Idle Fan Speed(%)

Increase PCIe Idle Fan Speed(%)

## Item Specific Help

### 1. Audio Device

Hides the Audio device from OS





# Advanced

HP Computer Setup

## Port Options

Front USB Ports

Rear USB Ports

Internal USB Ports

Media Card Reader

SATA0

SATA1

SATA2

SATA3

SATA4

SATA5

SATA6

SATA7

## Item Specific Help



# Advanced

HP Computer Setup

Option ROM Launch Policy

Configure Option ROM Launch Policy

Mini OROM Display

1

## Item Specific Help

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



## Power Management Options

Runtime Power Management **1**

Hardware P-States **2**

## Energy/Performance Bias Control

BIOS Energy/Performance Bias

## Idle Power Savings

S5 Maximum Power Savings **3**

SATA Power Management

PCI Express Power Management **4**

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 circuit, 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.



# Advanced

HP Computer Setup

## Performance Options

### Active CPU Cores Per Processor

#### Sub-NUMA Clustering

### Isoc Mode

### Workload Configuration

## Item Specific Help



# Advanced

## Remote Management Options

Intel Management Engine (ME)

Intel Active Management Technology (AMT) **1**

USB Key Provisioning Support

USB Redirection Support

## SOL Terminal Emulation Mode

Verbose Boot Messages

Watchdog Timer **2**

OS Watchdog Timer (min.) **3**

BIOS Watchdog Timer (min.) **3**

CIRA Timeout (min)

### Item Specific Help

- 1. Intel Active Management Technology (AMT)**  
This option allows for a user to enable Intel Active Management Technology, which is tied to all ME-regulated remote management functions. Disabling AMT will still allow for ME firmware updates, which are recommended for receiving platform stability fixes.
- 2. Watchdog Timer**  
Enable/Disable WatchDog Timer.
- 3. OS & BIOS Watchdog Timer**  
Set OS Watching timer (Minutes).



# Advanced

## Slot Settings

### Slot 1 PCI Express x 16

Option ROM download

Current PCIe Speed      Gen1 (2.5Gbps)

Limit PCIe Speed

Bifurcation

### Slot 2 PCI Express x 4

Option ROM download

Current PCIe Speed      Gen1 (2.5Gbps)

Limit PCIe Speed

### Slot 3 PCI Express x 16

Option ROM download

Current PCIe Speed      Gen1 (2.5Gbps)

Limit PCIe Speed

Bifurcation

### Slot 4 PCI Express x 4

Option ROM download

Current PCIe Speed      Gen1 (2.5Gbps)

Limit PCIe Speed

## Item Specific Help



# Advanced

## Slot Settings

### Slot 5 PCI Express x 8

Option ROM download

Current PCIe Speed      Gen1 (2.5Gbps)

Limit PCIe Speed

Bifurcation

### M.2 SSD0

Option ROM download

Current PCIe Speed      Gen1 (2.5Gbps)

Limit PCIe Speed

### M.2 SSD1

Option ROM download

Current PCIe Speed      Gen1 (2.5Gbps)

Limit PCIe Speed

Item Specific Help



# Advanced

HP Computer Setup

## Settings

### Diagnostics Download URL

➔ [Custom Download Address](#)

### Diagnostics Logs Upload URL

3

4

2

### 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



# 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

# Remote HP PC Hardware Diagnostics Result

---

Remote HP PC Hardware Diagnostics was never executed.

# Remote HP PC Hardware Diagnostics Execution

---

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



# UEFI Drivers

HP Computer Setup

Devices List

Item Specific Help



# UEFI Drivers

HP Computer Setup

Item Specific Help



# UEFI Drivers

HP Computer Setup

Configured

Item Specific Help





# UEFI Drivers

HP Computer Setup

Are you sure you want to save changes and exit?

Item Specific Help



# UEFI Drivers

HP Computer Setup

Item Specific Help



# UEFI Drivers

HP Computer Setup

Interface Name: eth1  
Interface Type: Ethernet  
MAC address: 88-88-88-88-87-88  
Host addresses: FE80::8A88:88FF:FE88:8788/64  
Route Table: FE80::/64>>:  
Gateway addresses:  
DNS addresses:  
Interface ID: 8A:88:88:FE:FE:88:87:88  
DAD Transmit Count: 00000001  
Policy

Item Specific Help



# UEFI Drivers

HP Computer Setup

Item Specific Help



# UEFI Drivers

HP Computer Setup

Create New VLAN

VLAN ID

0000

Priority

00

Configured VLAN List

Item Specific Help



# UEFI Drivers

HP Computer Setup

## PORT CONFIGURATION MENU

Blink LEDs 0000

## PORT CONFIGURATION INFORMATION

UEFI Driver: Intel(R) Gigabit 0.0.17  
Adapter PBA:: FFFFFFF-OFF  
Chip Type: Intel PCH SPT  
PCI device ID: 15B7  
PCI address: 00:1F:06  
Link Status:  
MAC Address:: 88:88:88:88:87:88

Item Specific Help



# UEFI Drivers

HP Computer Setup

Link Speed:

Wake On LAN:

Item Specific Help



# UEFI Drivers

HP Computer Setup

Item Specific Help





# UEFI Drivers

HP Computer Setup

Interface Name: eth0  
Interface Type: Ethernet  
MAC address: A0-8C-FD-DD-D4-49  
Host addresses:  
Route Table:  
Gateway addresses:  
DNS addresses:  
Interface ID: AZ-8C-FD-FF-FE-DD-D4-49  
DAD Transmit Count: 00000001  
Policy

Item Specific Help



# UEFI Drivers

HP Computer Setup

Blink LEDs

0000

UEFI Driver:

Intel(R) PRO/1000 7.5.11 PCI-E

Adapter PBA::

000400-000

Device Name:

Intel(R) I210 Gigabit Network Connection

Chip Type:

Intel(R) I210

PCI device ID:

1533

PCI address:

01:00:00

Link Status:

MAC Address::

A0:8C:FD:DD:D4:49

Virtual MAC Address::

00:00:00:00:00:00

Item Specific Help



# UEFI Drivers

HP Computer Setup

Item Specific Help



# UEFI Drivers

HP Computer Setup

Interface Name: eth1  
Interface Type: Ethernet  
MAC address: 88-88-88-88-87-88  
Host addresses: FE80::8A88:88FF:FE88:8788/64  
Route Table: FE80::/64>>:  
Gateway addresses:  
DNS addresses:  
Interface ID: 8A:88:88:FE:FE:88:87:88  
DAD Transmit Count: 00000001  
Policy

Item Specific Help



# UEFI Drivers

HP Computer Setup

UUID	000000000000000000D82F7F6A00000000
Card Name	Intel(R) RSTe SATA Controller
Manufacturer	Intel
Serial Number	N/A
Part Number	N/A
Model	N/A
Card SKU	N/A
FoD UID	N/A
Max Data Width	00000000
Connector Layout	
Package Type	
Other Package Type	N/A
AIM Spec Version	2.0
UMC Version	2.0

Item Specific Help



# UEFI Drivers

HP Computer Setup

Firmware Name:	Intel(R) RSTe
Version String	5.3.0.1052
Description	N/A
Release Date	N/A
Manufacturer	Intel
Classification	
Software ID	80862826

Item Specific Help



# UEFI Drivers

HP Computer Setup

Item Specific Help



# UEFI Drivers

HP Computer Setup

Port Number

00

Port Type

Controller Name

Item Specific Help





# UEFI Drivers

HP Computer Setup

Location	bay 0
Drive Type	
Media Type With Rotation Rate	7200
Lenovo BS FRU PN	N/A
Lenovo BS L2 PN	N/A
Lenovo BS SN	ZA40YE3A
Model Number	ST500DM002-15B10A
Universal Identifier	00000000000000000500C50009111F95E
Manufacturer	ST500DM00465.BGB
FW Version	PH3H
Drive Capacity	465.8GB
Disk Size	0000500107862016
Disk Status	
Logical Block Size	00000512

Item Specific Help



# UEFI Drivers

HP Computer Setup

Location	
Drive Type	
Media Type With Rotation Rate	0000
Lenovo BS FRU PN	N/A
Lenovo BS L2 PN	N/A
Lenovo BS SN	
Model Number	
Universal Identifier	
Manufacturer	
FW Version	
Drive Capacity	
Disk Size	000000000000000000
Disk Status	
Logical Block Size	00000000

Item Specific Help



# UEFI Drivers

HP Computer Setup

Intel(R) RSTe 5.3.0.1052 SATA Driver

Non-RAID Physical Disks:

Item Specific Help



# UEFI Drivers

HP Computer Setup

## PHYSICAL DISK INFO

### Disk Actions:

Port:	0
Controller:	SATA
Model Number:	ST500DM002-1SB10A
Serial Number:	ZA400YE3A
Size:	465.8GB
Status:	Non-RAID
Block Size:	512

Item Specific Help



# UEFI Drivers

HP Computer Setup

Mark as Spare?

Are you sure you want to mark the disk as Spare?

Marking disk as Spare will remove all data on the disk.

Item Specific Help



# UEFI Drivers

HP Computer Setup

Mark as Journaling Drive?

Are you sure you want to mark the disk as Journaling Drive?

Marking disk as Journaling Drive will remove all data on the disk.

Item Specific Help



# UEFI Drivers

HP Computer Setup

Intel(R) VROC with VMD Technology 5.3.0.1052

No RAID volumes on the system.

No Intel VMD Controllers on the system.

Item Specific Help