

Using UEFI Setup Utility to configure a RAID array

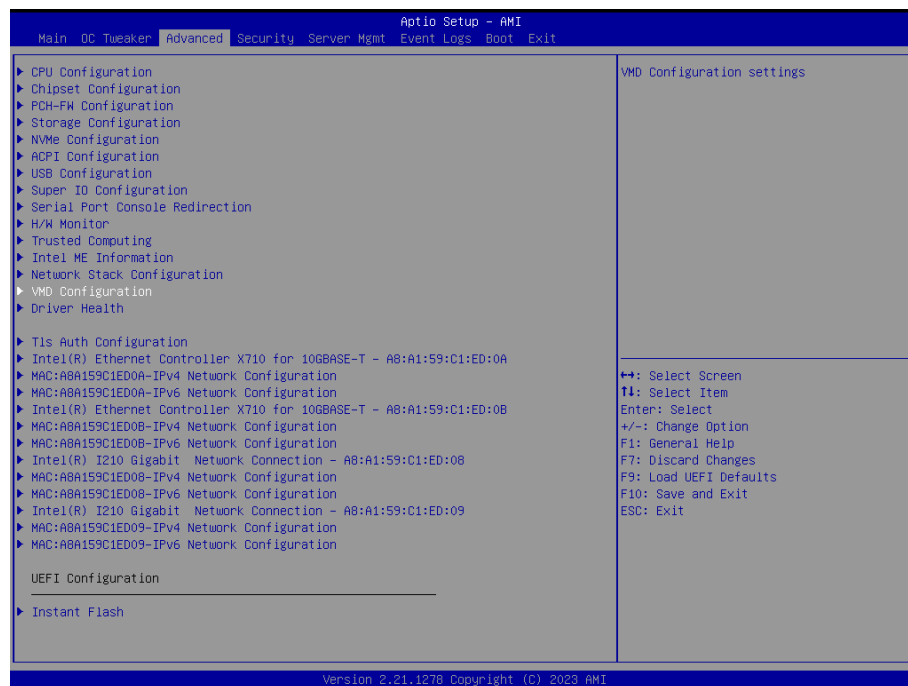
The BIOS screenshots in this guide are for reference only and may differ from the exact settings for the motherboard. The actual setup options will depend on the purchased motherboard. For information about supported RAID, please refer to the model specifications. Because the motherboard specifications and the BIOS software might be updated, the content of this documentation will be subject to change without notice.

STEP 1:

Enter the UEFI Setup Utility by pressing **<F2>** or **** after powering on the computer.

STEP 2:

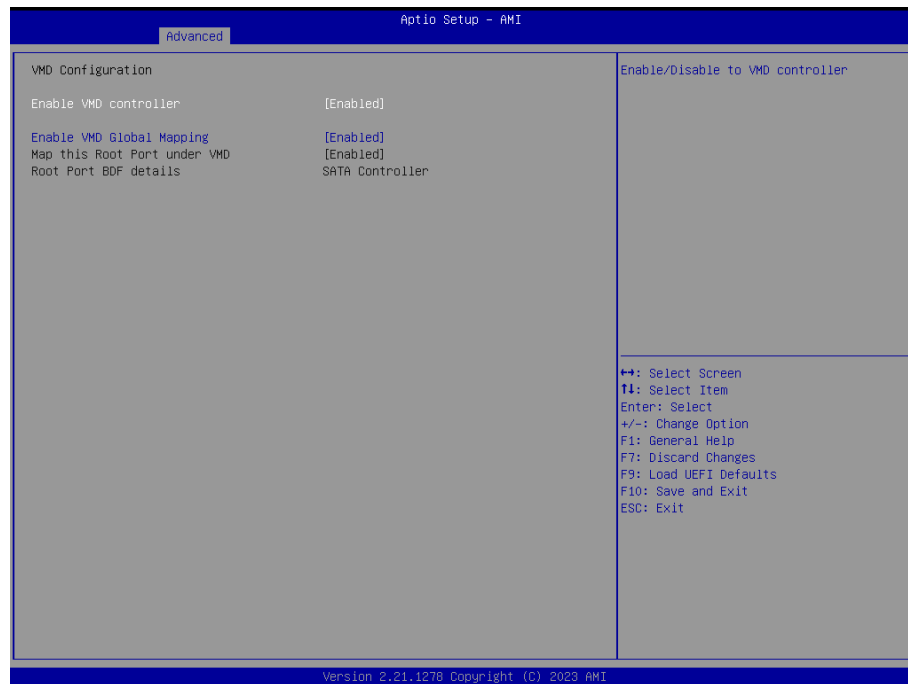
Go to **Advanced** | **VMD Configuration**.





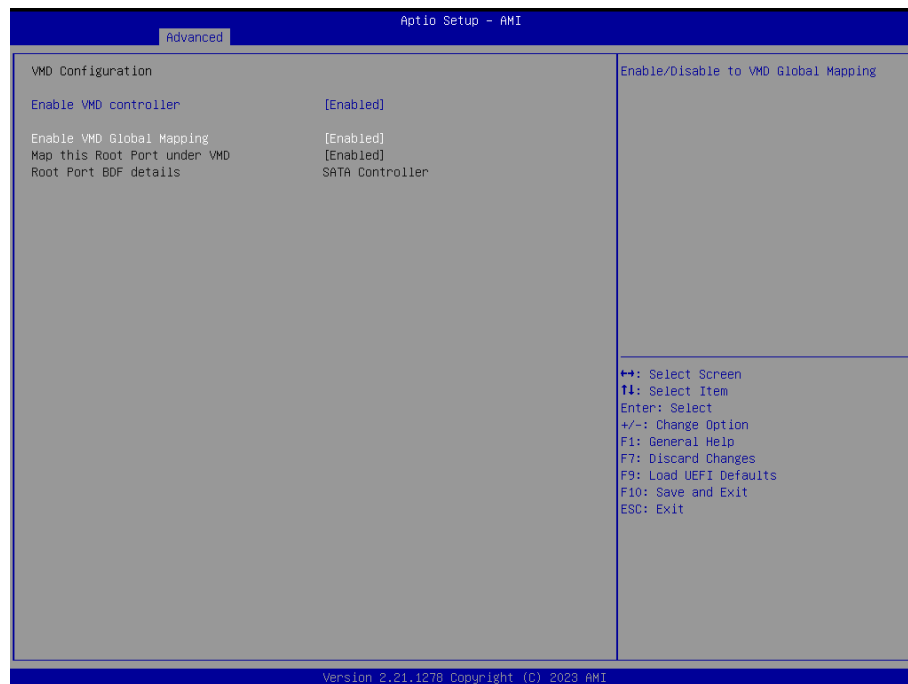
STEP 3:

Set **Enable VMD controller** to **[Enabled]**.



STEP 4:

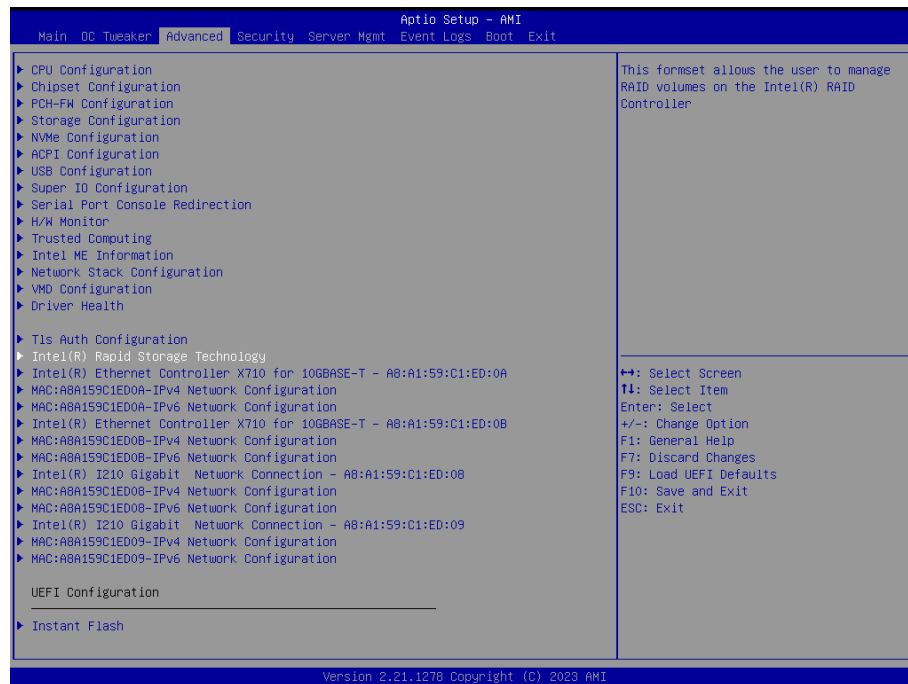
Set **Enable VMD Global Mapping** to **[Enabled]**. Then press **<F10>** to save the configuration changes and exit setup.





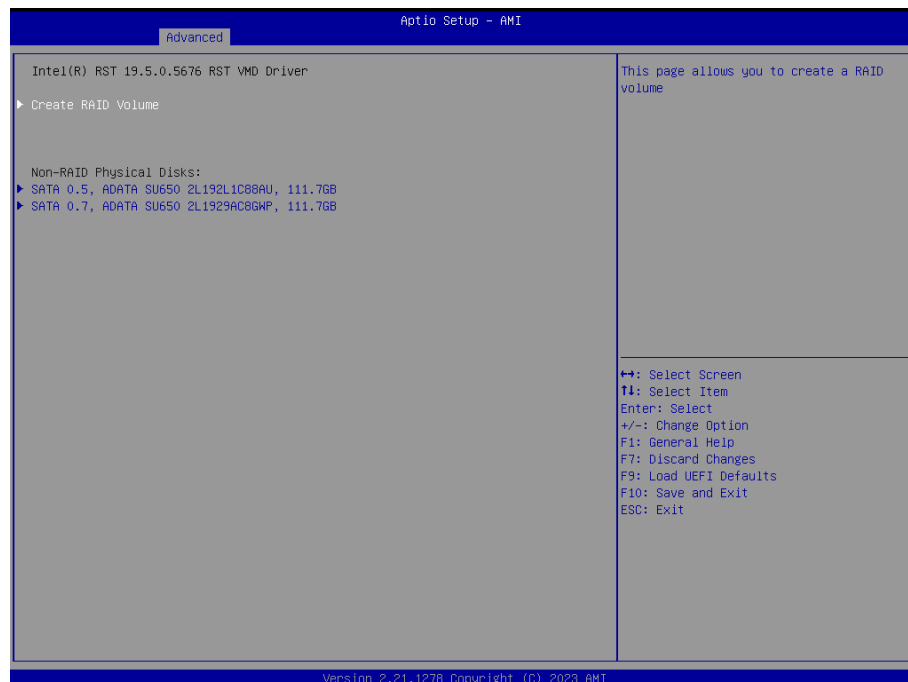
STEP 5:

Go to **Advanced** | **Intel(R) Rapid Storage Technology**.



STEP 6:

Select **Create RAID Volume** and press **<Enter>**.





STEP 7:

Key-in a volume name and press **<Enter>**, or simply press **<Enter>** to accept the default name.

Aptio Setup - AMI

Advanced

Create RAID Volume

Name: Volume1

RAID Level: [RAID0 (Stripe)]

Select Disks:

SATA 0.5, ADATA SU650 2L192L1C88AU, 111.7GB []

SATA 0.7, ADATA SU650 2L1929AC8GWP, 111.7GB []

Strip Size: [64KB]

Capacity (MB): 0

► Create Volume

Select at least two disks

Enter a unique volume name that has no special characters and is 16 characters or less.

F1: Select Screen
F2: Select Item
Enter: Select
+/-: Change Option
F1: General Help
F7: Discard Changes
F9: Load UEFI Defaults
F10: Save and Exit
ESC: Exit

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STEP 8:

Select the desired **RAID Level** and press **<Enter>**.

Aptio Setup - AMI

Advanced

Create RAID Volume

Name: Volume1

RAID Level: [RAID0 (Stripe)]

Select Disks:

SATA 0.5, ADATA SU650 2L192L1C88AU, 111.7GB []

SATA 0.7, ADATA SU650 2L1929AC8GWP, 111.7GB []

Strip Size: [64KB]

Capacity (MB): 0

► Create Volume

Select at least two disks

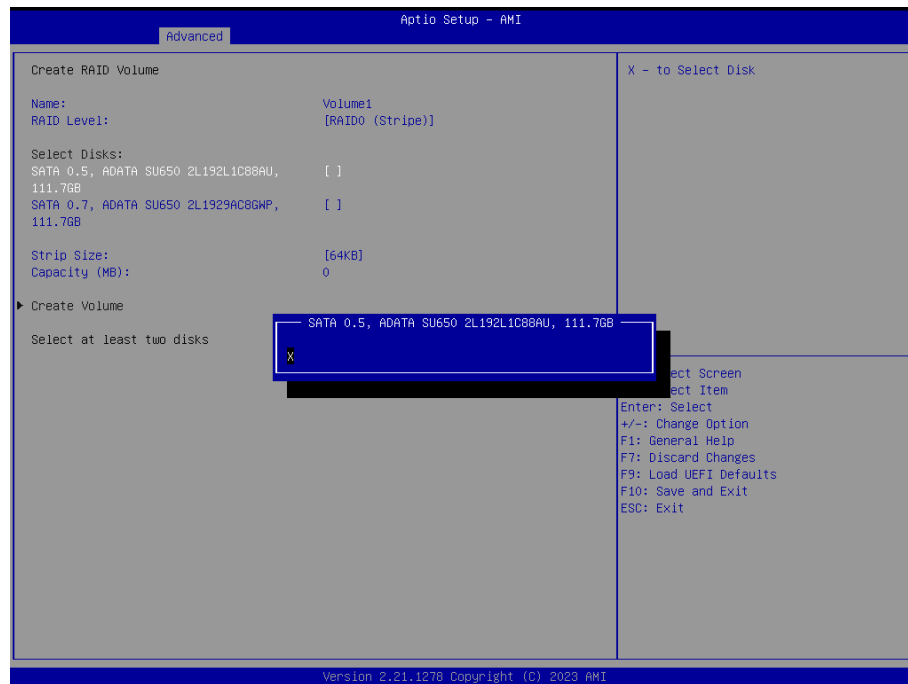
Select RAID Level

F1: Select Screen
F2: Select Item
Enter: Select
+/-: Change Option
F1: General Help
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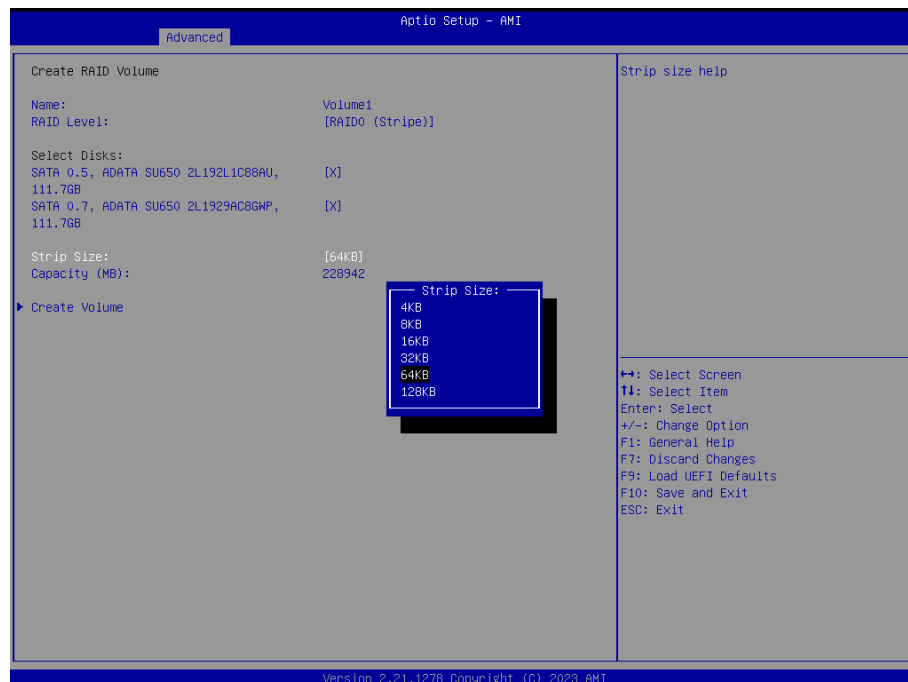
STEP 9:

Select the hard drives to be included in the RAID array and press **<Enter>**.



STEP 10:

Select a **Stripe Size** for the RAID array or use the default setting and press **<Enter>**.

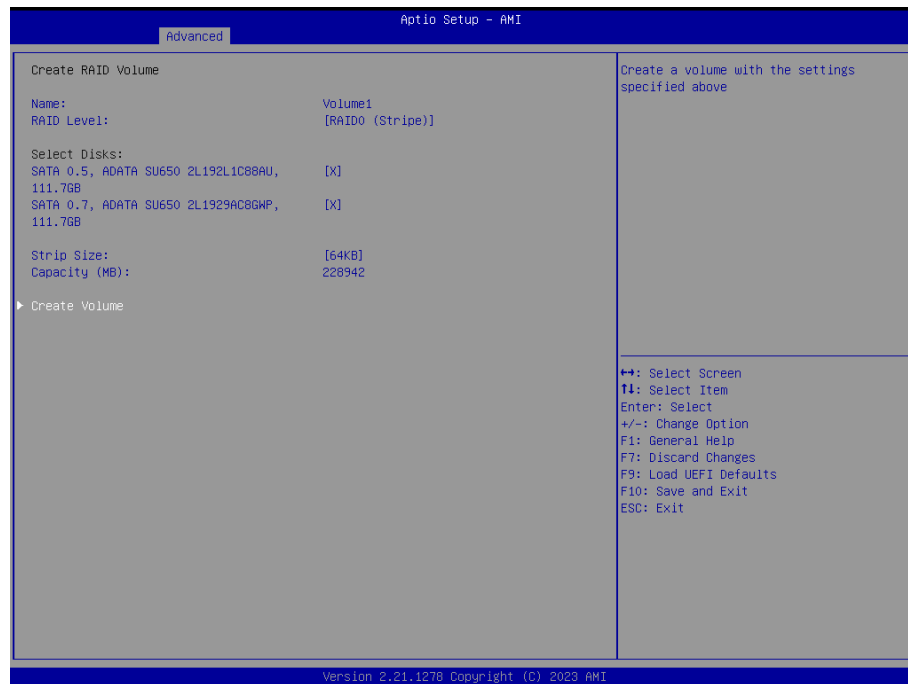


Note: For RAID array configuration, at least 2 hard disks must be configured.



STEP 11:

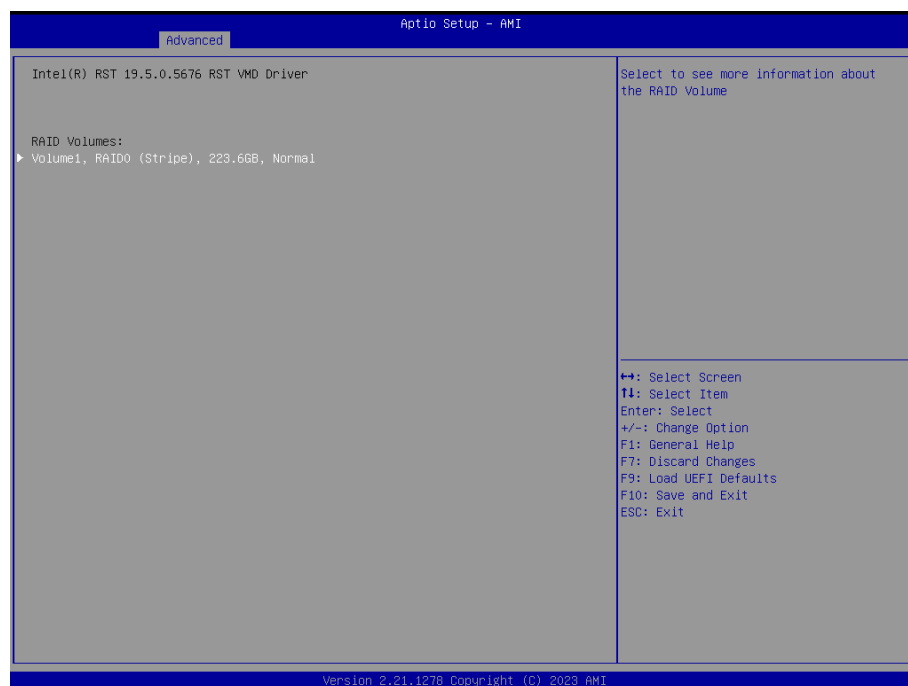
Select **Create Volume** and press **<Enter>** to start creating the RAID array.



Delete a RAID Volume

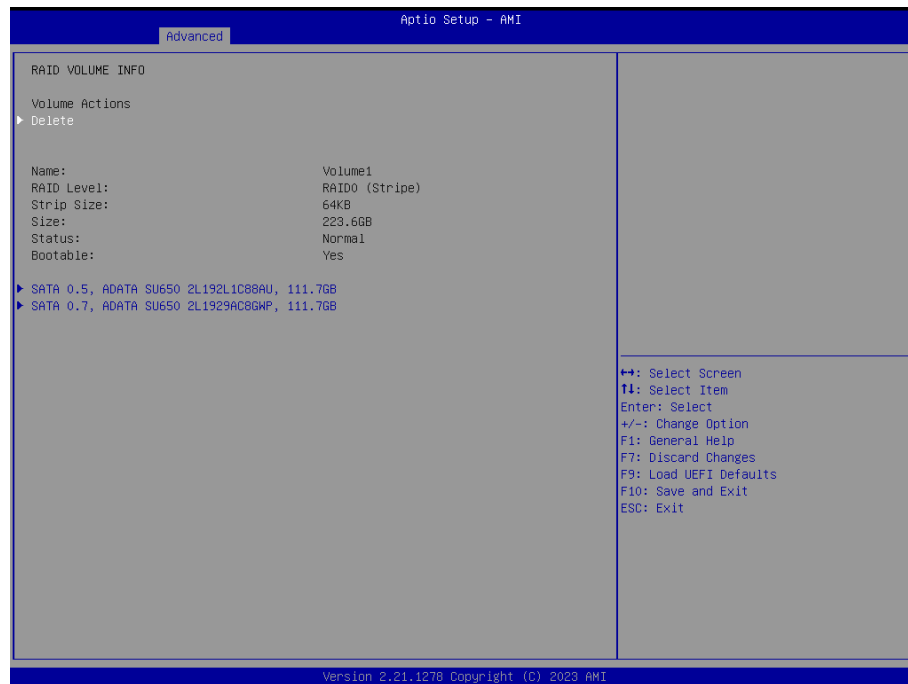
STEP 1:

Go to **Advanced** page and select the RAID volume to be removed. Press **<Enter>**.



STEP 2:

Select **Delete** on the **RAID VOLUME INFO** page and press **<Enter>**.



Note: The UEFI screenshots shown in this installation guide are for reference only. For more related information, please refer to ASRockRack's website. <https://www.asrockrack.com/index.asp>

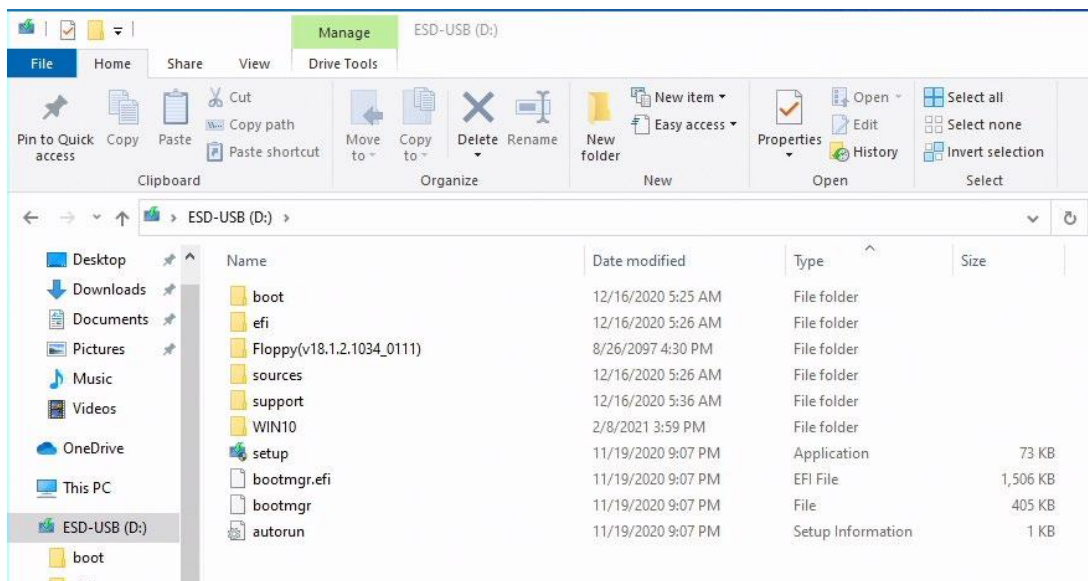
Installing Windows® on a RAID volume

After the UEFI and RAID BIOS setup, please follow the steps below.

STEP 1:

Please download the drivers from ASRockRack's website

(<https://www.asrockrack.com/index.asp>) and unzip the files to a USB flash drive or copy the files from ASRockRack's motherboard support CD.



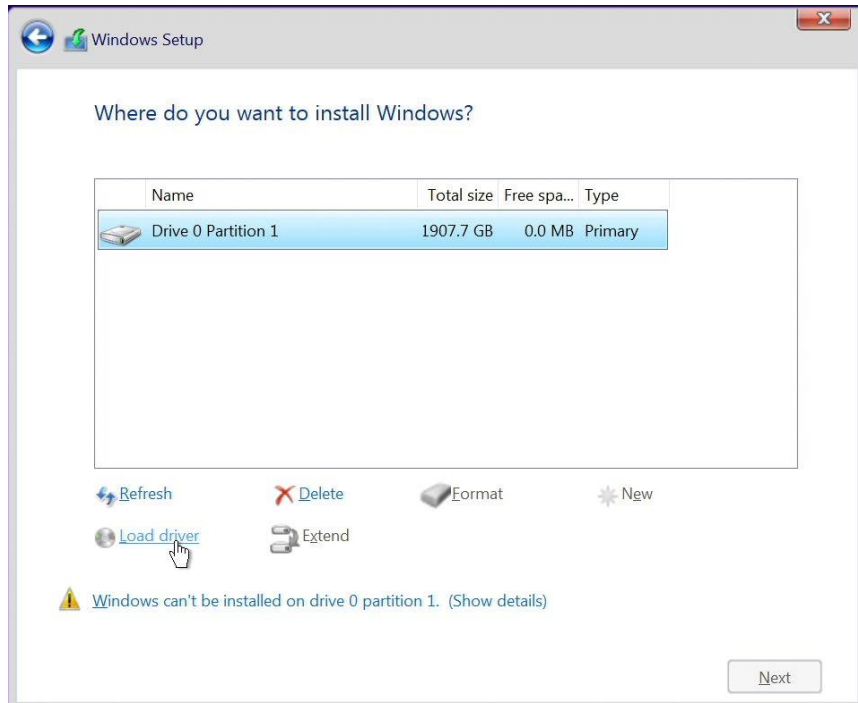
STEP 2:

Press <F11> at system POST to launch the boot menu and choose the item “UEFI: <Windows installation media>” to install Windows® 10 64-bit OS.



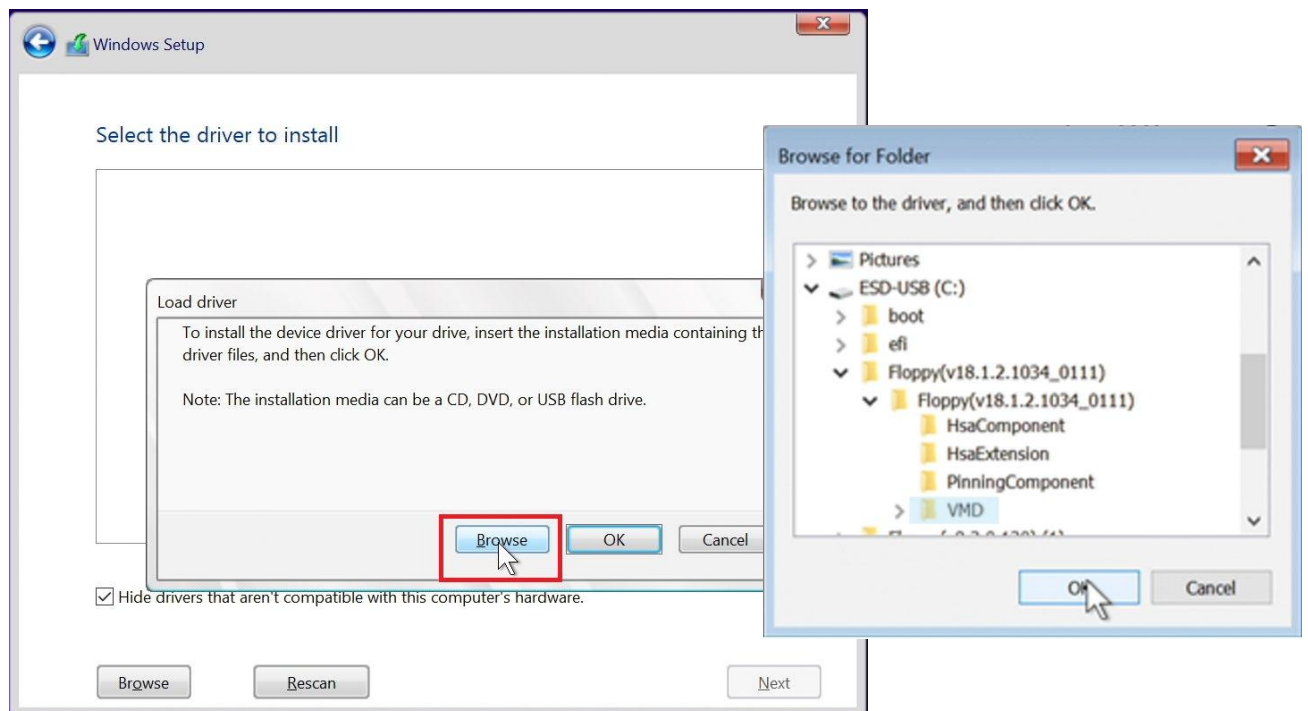
STEP 3: (If the drive that want to install Windows is available, please go to STEP 6)

If during the Windows installation process the target drive is not available, please click **<Load Driver>**.



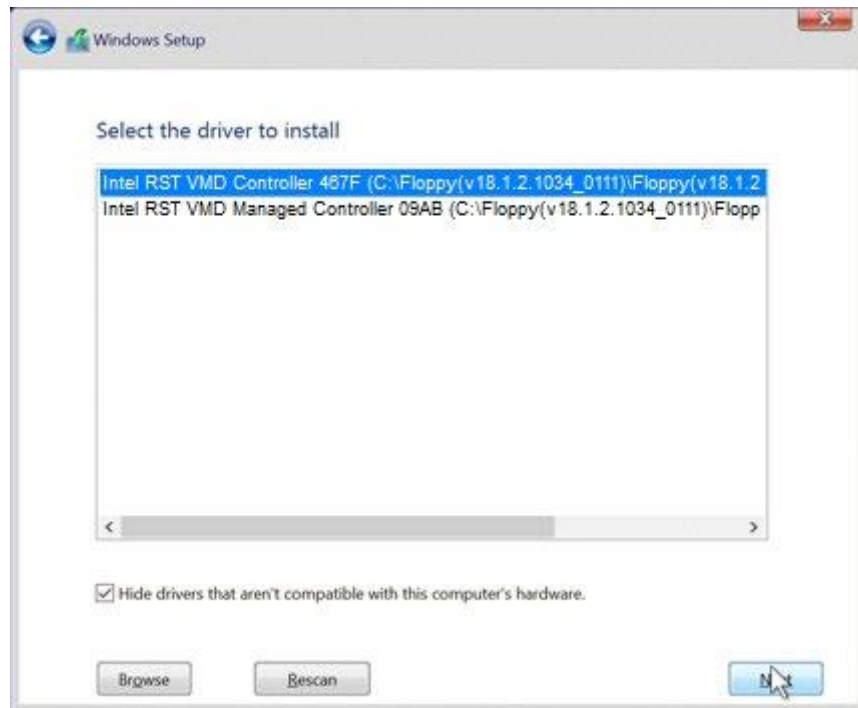
STEP 4:

Click **<Browse>** to find the driver on the USB flash drive.



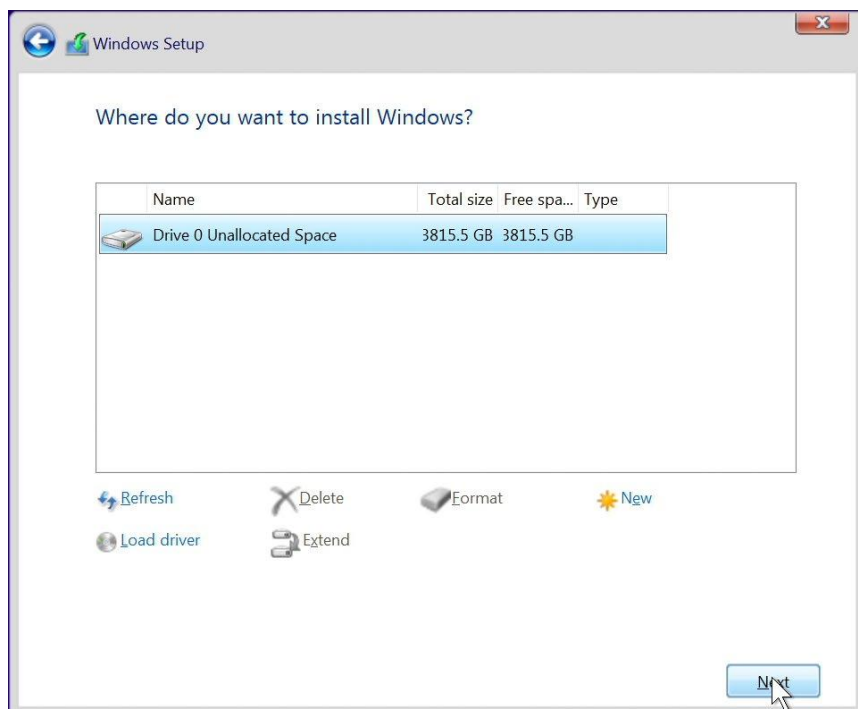
STEP 5:

Select “Intel RST VMD Controller 467F” and then click <Next>.



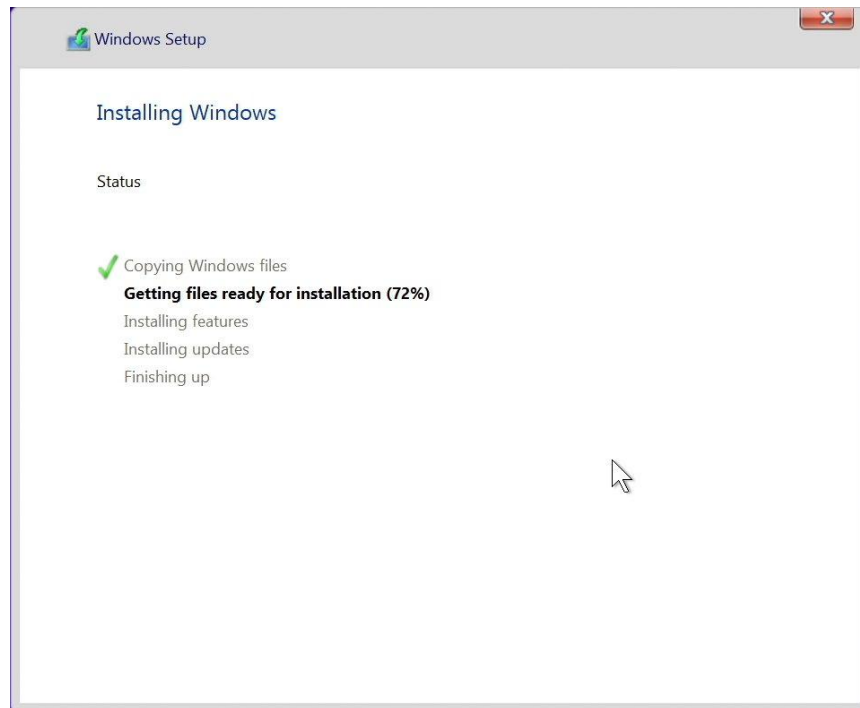
STEP 6:

Select unallocated space and then click <Next>.



STEP 7:

Please follow Windows' installation instructions to finish the process.



STEP 8:

After the Windows installation is finished, please install the Rapid Storage Technology driver and utility from ASRockRack's website. <https://www.asrockrack.com/index.asp>

