

FAQ / Application Note

Subject: Intel VROC PCH SATA RAID

FAQ Document No: S23005

Date: 2023/05/18

Model Name: HPM-SRSUA

Rev. A1

Category: General H/W S/W Others, 寫小分類

Purpose:

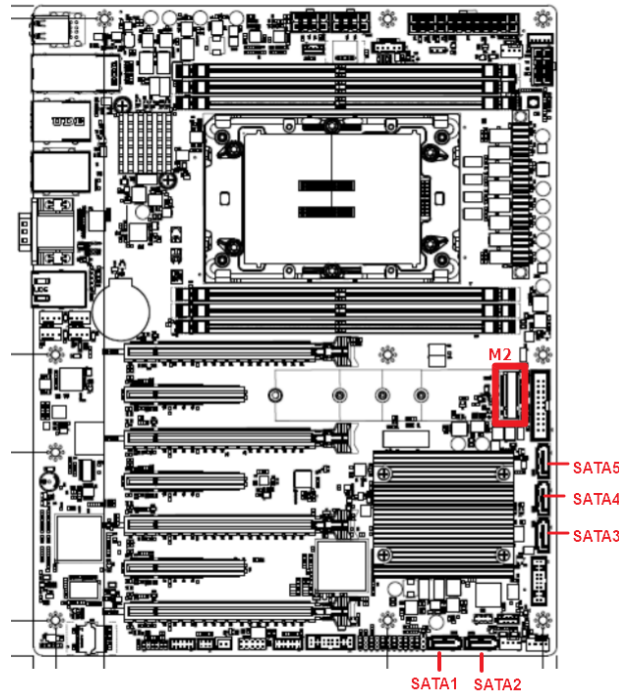
Enable intel VROC PCH SATA RAID on Sapphire Rapids Platform

The Intel® Virtual RAID on CPU (Intel® VROC) is an enterprise RAID solution for both NVMe SSD and SATA devices for the enterprise servers, workstations and some high-end desktops.

Intel VROC interface Types:

1. Intel VROC NVMe RAID
2. Intel VROC PCH SATA RAID *
3. Intel VROC PCH NVMe RAID

Location of SATA Ports on HPM-SRSUA



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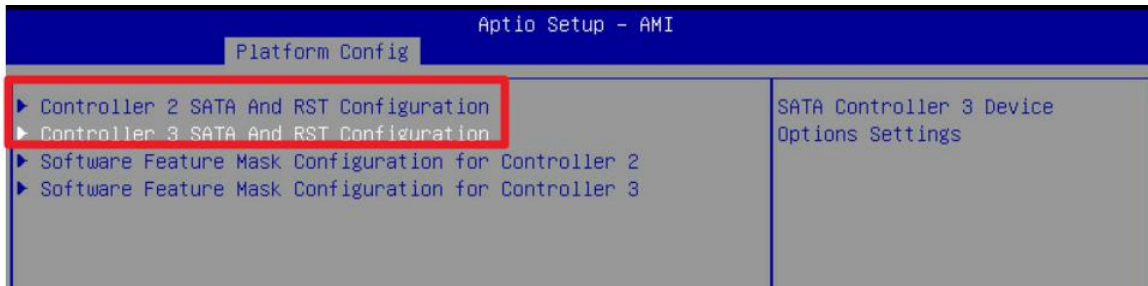
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1. Check if SATA SSDs are detected.

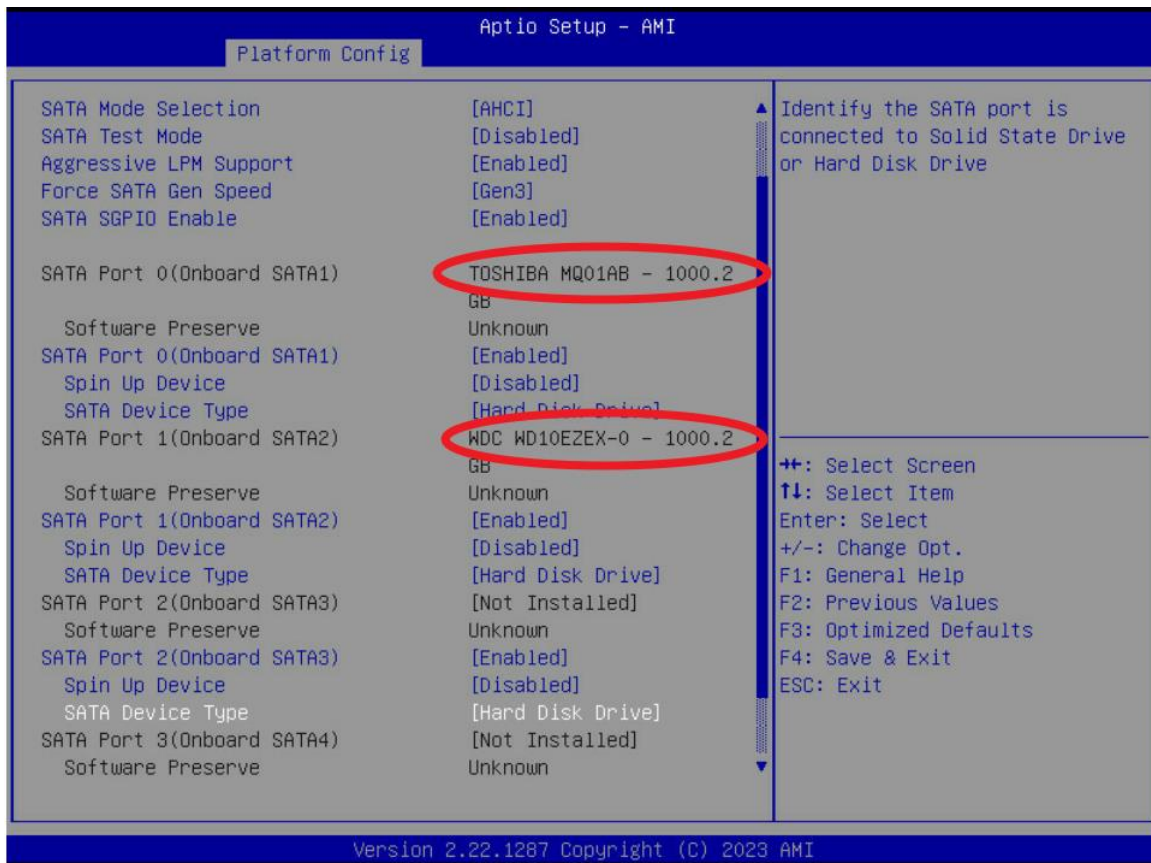
BIOS → Platform Config → PCH-IO Configuration → SATA And RST Configuration



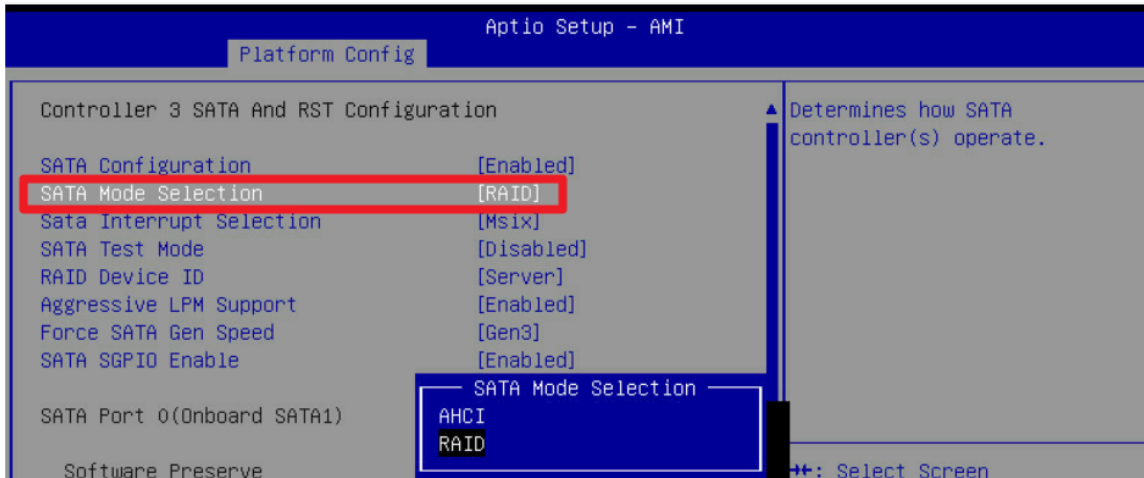
There are 2 PCH SATA controllers, please ensure which SATA ports you used.

Controller 2 for SATA5 and M.2 Key.M SATA

Controller 3 for SATA1, SATA2, SATA3 and SATA4

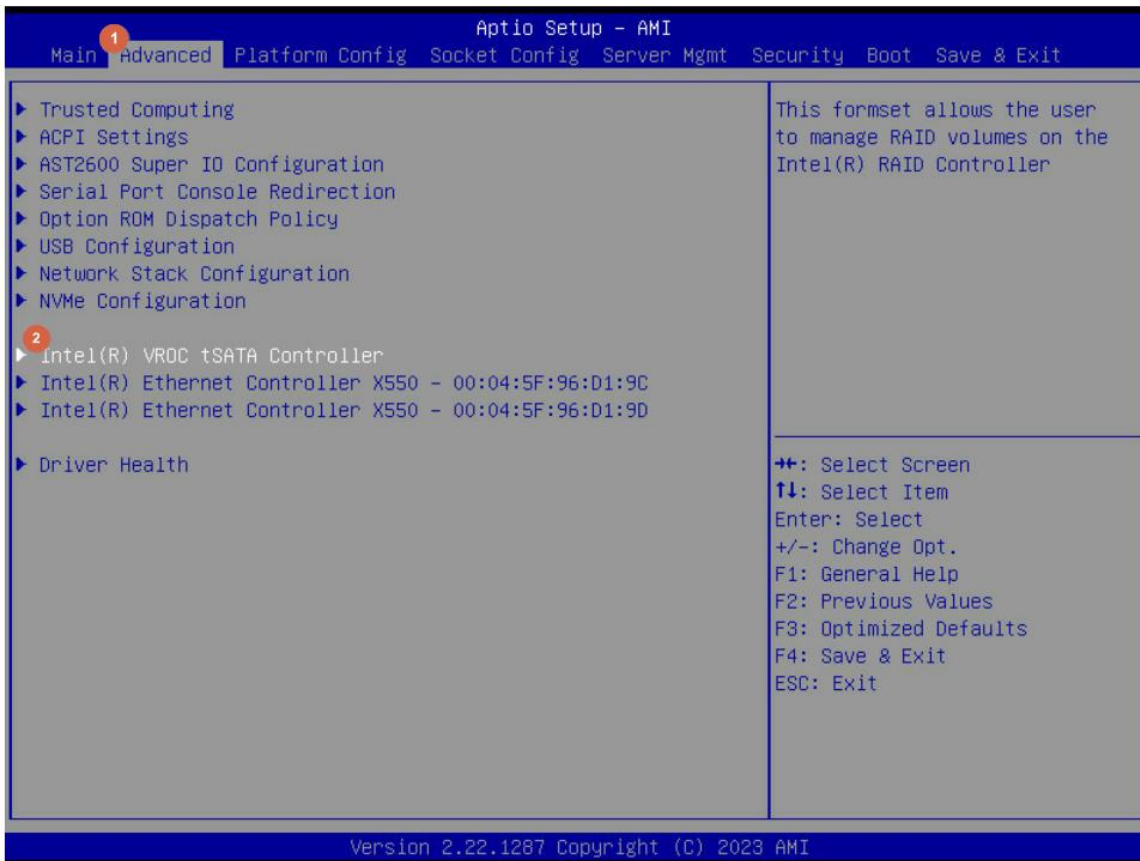


2. Configure SATA mode to RAID.



Press “F4” to save and exit.

3. Reboot to BIOS Setup and go to VROC SATA Controller



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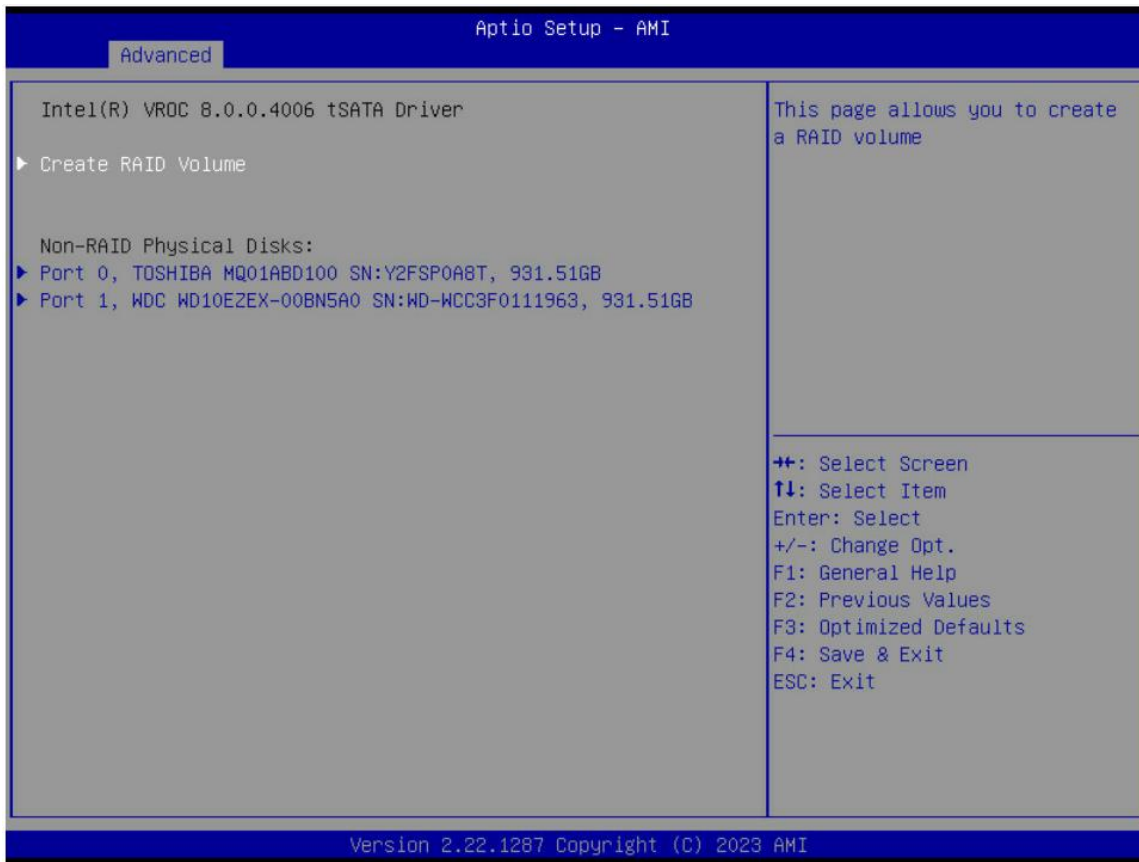
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Configuration RAID to what you want.



4. [Download intel RAID driver from avalue web site.](#) Un-zip and put in USB drive.

Windows 10 64bit

No.	Release Date	Model	Description	Download
1	2023-03-08	HPM-SRSUA	Intel QTA2.0 driver Device:Other	
2	2023-03-08	HPM-SRSUA	ASPEED VGA Driver Device:Video	
3	2023-03-08	HPM-SRSUA	Intel LAN 27.6 Device:Gigabit_Ethernet	
4	2023-03-08	HPM-SRSUA	Realtek Audio control panel Device:Video	
5	2023-03-08	HPM-SRSUA	Realtek Audio driver Device:Video	
6	2023-03-08	HPM-SRSUA	Intel VROC RAID F6 DRIVER Device:Other	

5. Load driver from your USB when you install Windows

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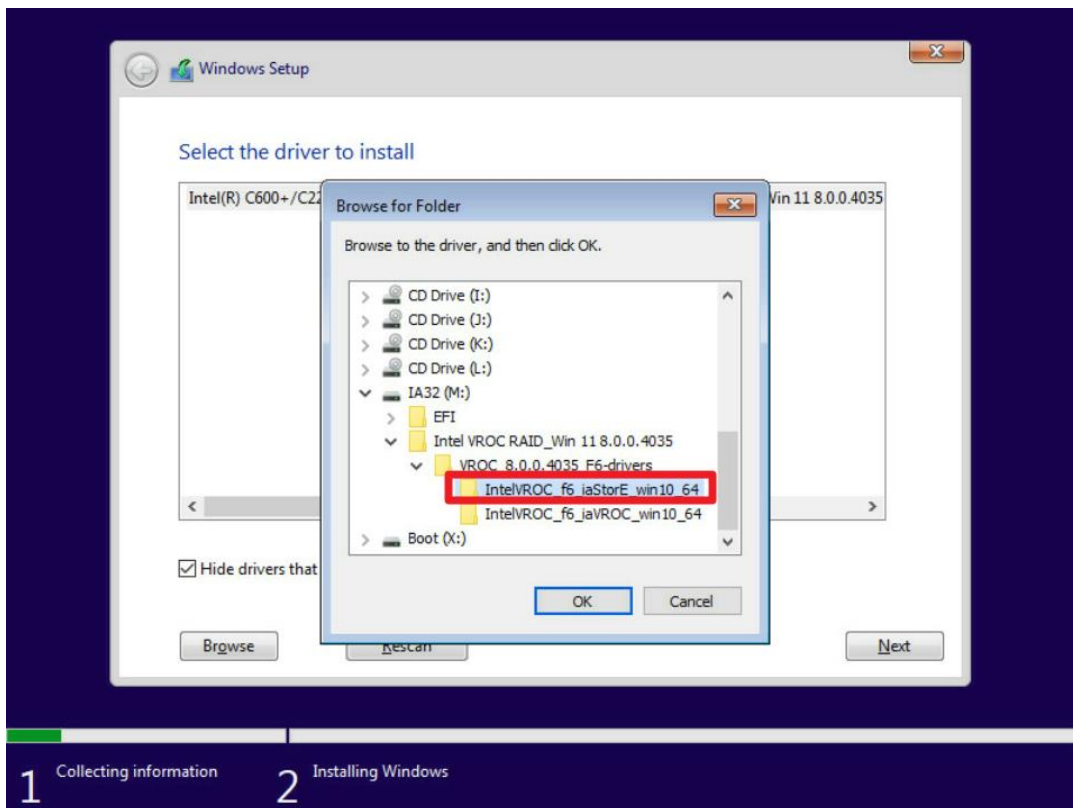
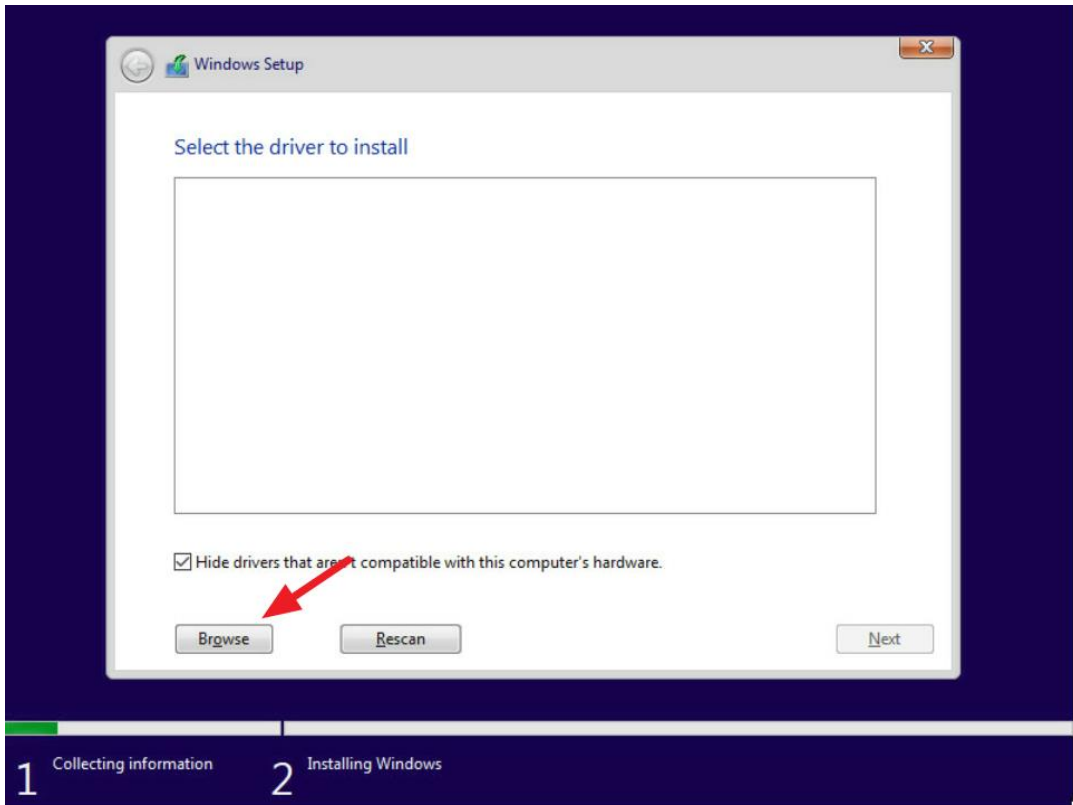
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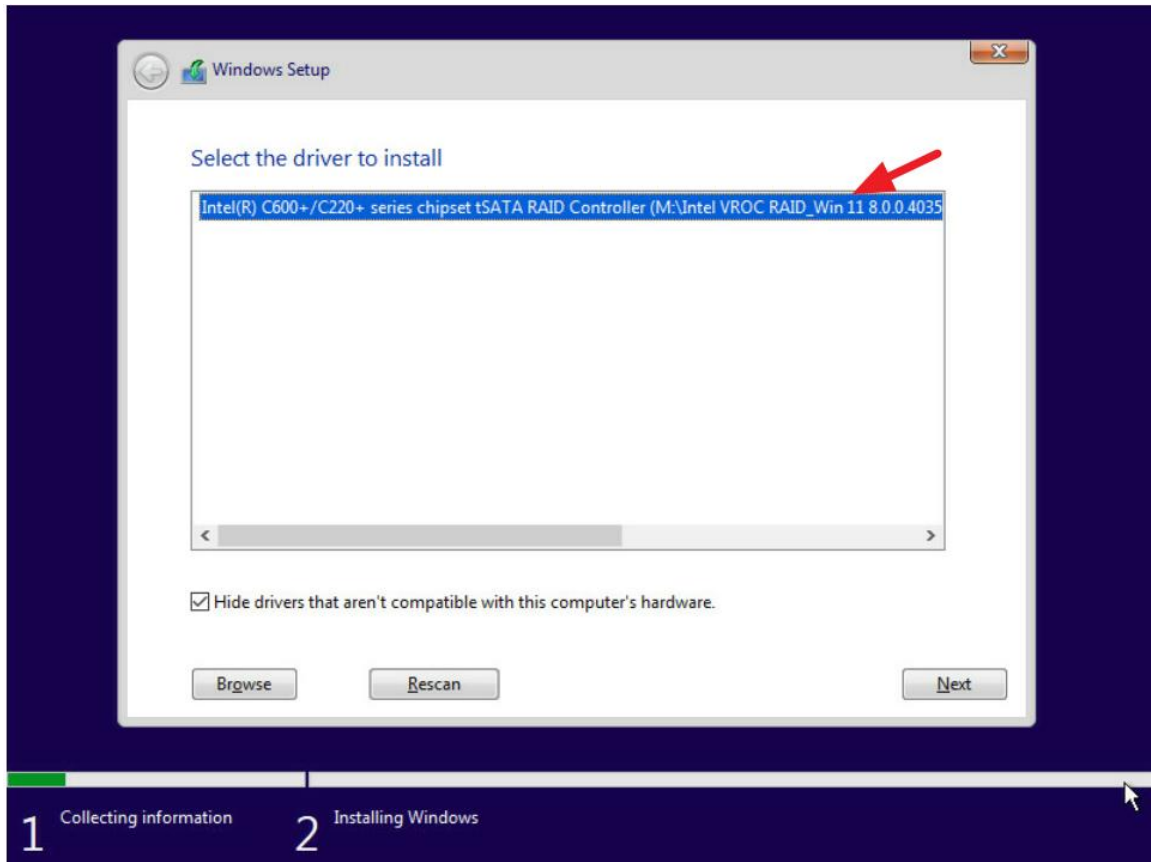
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You can install windows to your RAID now.



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