Intel® Smart Response Technology

User Guide

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Intel® Smart Response Technology is an Intel® Rapid Storage Technology (Intel® RST) caching feature that improves computer system performance. It requires that the SATA controller be set to **RAID mode** via the system BIOS. It allows you to configure computer systems with an SSD used as cache memory between the hard disk drive and system memory.

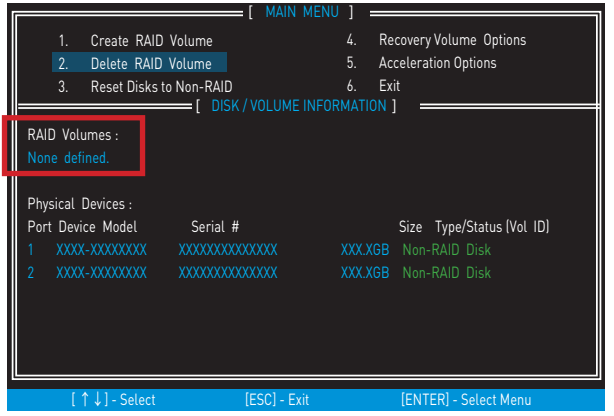
Intel Smart Response Technology caching is implemented as a single drive letter solution; no additional drive letter is required for the SSD device used as cache.

Important

- *All data on the SSD you use will be wiped when you accelerate the other drives.*
- *Only one volume can be accelerated at a time.*
- *When you enable Intel Smart Response Technology, do not enable **BIOS > SETTINGS > Advanced > Windows OS Configuration > Fast Boot**.*

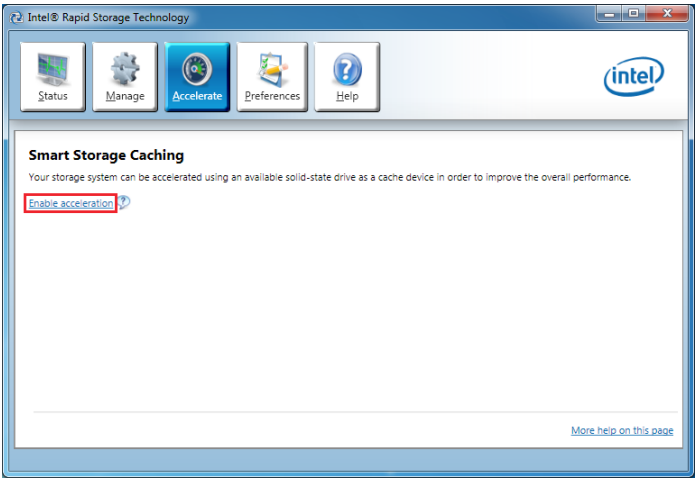
Enabling Intel Smart Response Technology

1. Install your SSD and HDD.
2. Power on your computer and press **DEL** when POST to enter BIOS.
3. Set the **SATA mode** option to **RAID mode** in BIOS.
4. Press the **F10** key to save settings.
5. Reboot and press **Ctrl + I** keys to enter the IRST Option ROM during the POST, the following window will appear.

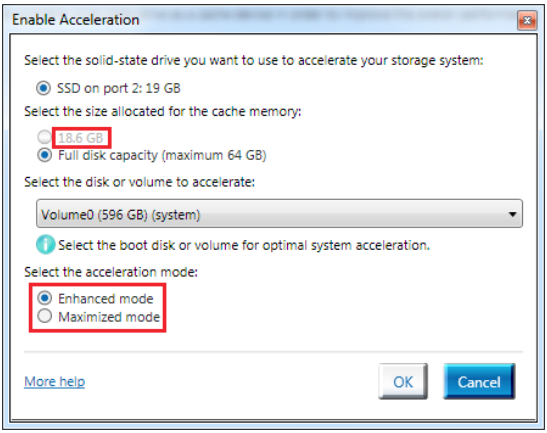


6. Make sure the information under **RAID Volumes** indicates **None defined**. If it shows a RAID volume, delect it with **Delete RAID Volume** menu option.
7. Reboot your computer and install Windows 7/ 8.1/ 10 on the HDD.
8. Install all required device drivers.
9. Install the Intel RST software.

10. Run the Intel RST software through the **All Programs** menu or the task bar icon.
11. Click **Enable acceleration** under the **Accelerate** tab.



12. Select the size from the SSD to be allocated for the cache memory.



13. Select the drive to be accelerated. It is highly recommended to accelerate the **system disk** for maximum performance.
14. Select the acceleration mode. By default, enhanced mode is selected.

    Enhanced mode: *Acceleration is optimized for data protection.*

    Maximized mode: *Acceleration is optimized for input/output performance.*
15. Click **OK**. The page refreshes and reports the new acceleration configuration in the acceleration view. Your computer is now successfully configured with the Intel Smart Response Technology.