Installing Intel® Optane™ Memory and Storage Management

Step 1:
After entering the operating system, insert the motherboard driver disc into your optical drive. On the Xpress Install screen, select **Intel® Optane™ Memory and Storage Management** to install and follow the on-screen instructions to complete the installation. When completed, restart the system.

Step 2:
After you install the included motherboard drivers, make sure your Internet connection works properly. The system will automatically install the software from **Intel®**. Restart the system after the driver is installed.

A. Enabling an Intel® Optane™ Memory

A-1. System Requirements
1. Intel® Optane™ memory
2. The Optane™ memory must have at least 16 GB capacity, and it must have equal or smaller capacity than the hard drive/SSD to be accelerated.
3. The Optane™ memory cannot be used to accelerate an existing RAID array; the accelerated hard drive/SSD cannot be included in a RAID array.
4. The hard drive/SSD to be accelerated must be a SATA hard drive or M.2 SATA SSD.
5. The hard drive/SSD to be accelerated can be a system drive or data drive. The system drive must be GPT formatted and have Windows 10 64-bit (or later version) installed on it. The data drive must also be GPT formatted.
6. The motherboard driver disc.
7. The SATA controller must set in Intel RST Premium With Intel Optane System Acceleration mode.

A-2. Installation Guidelines
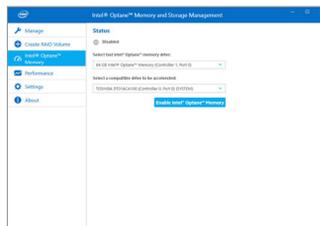
Step 1:
Go to **Settings\IO Ports\SATA And RST Configuration** and make sure **RST Control PCIe Storage Devices** is set to **Manual**. Then depending on which M.2 connector you install the Optane™ memory in, set the corresponding **PCIe Storage Dev on Port XX** item to **RST Controlled**.

Step 2:
After re-entering the operating system, launch the **Intel® Optane™ Memory and Storage Management** application from the Start menu. If you install more than one Optane™ memory, please select which one you are going to use. Then select which drive to be accelerated. Click **Enable Intel® Optane™ Memory**. All data on the Optane™ memory will be erased. Make sure you back up the data before continuing. Follow the on-screen instructions to proceed. When completed, restart the system.
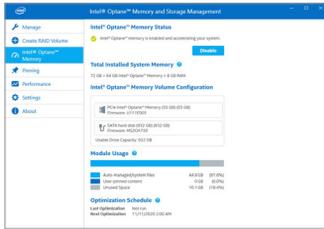
Step 3:
Launch the **Intel® Optane™ Memory and Storage Management** application from the Start menu and make sure the Intel® Optane™ Memory has been enabled.
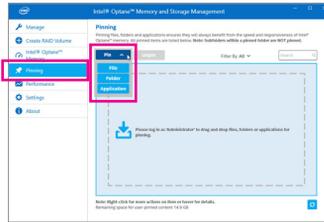
Step 4:
If you want to accelerate the system drive, you can select specific folders, files, or applications to accelerate using the **Intel® Optane™ Memory Pinning** function. (The Optane™ memory used must have at least 32 GB capacity.)

- An Optane™ memory cannot be used to accelerate an M.2 PCIe SSD.
- If more than one Optane™ memory is installed, you can select only one of them to accelerate your SATA-based boot drive. The other(s) can only be used as data drive(s).
- Do not abruptly remove the Optane™ memory. Doing so will cause the operating system to stop functioning correctly.
- If you want to change/remove the Optane™ memory, you must disable it using the **Intel® Optane™ Memory and Storage Management** application first.
- After enabling the Optane™ memory, the related BIOS settings will remain even after a BIOS update.