SSD7000 Series UEFI ROM Update Guide (PC)

V1.01 – May 2021

Contents

Overview

This guide explains how to update SSD7000 Series NVMe RAID controllers' UEFI ROM using a PC platform.

Prerequisites

This section describes the base hardware and software requirements for SSD7000 Series NVMe RAID Controllers.

Update UEFI ROM

This section describes how to update the UFEI ROM using a PC.

Troubleshooting

Please consult this section if you encounter any difficulties flashing SSD7000 Series NVMe Controller UEFI ROM. It includes descriptions and solutions for commonly reported technical issues.

Appendix

This section describes how to collect trouble shooting information for support cases you have submitted via our Online Support Portal.

Prerequisites

1. **NVMe Drives must be removed**. To avoid data loss, please remove all NVMe drives from the SSD7000 Series NVMe Controller.

2. **A PCIe 3.0/4.0 slot with x8 or x16 lane.** The SSD7202, SSD7502, SSD7103, SSD7505 or SSD7540 must be installed into a PCIe 3.0/4.0 slot with x8 or x16 lanes.

3. **The motherboard needs to be booted into UEFI mode.** Confirm that the motherboard boots in UEFI mode.

4. **USB flash drive: FAT32 format.** Make sure the file system of the USB flash drive is FAT32 format.
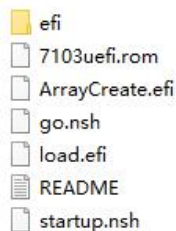
Update UEFI ROM

Step 1 Prepare UEFI ROM Package

1. Unzip the SSD7000 Series NVMe Controller UEFI package to the root dir (/) of a USB flash drive (e.g. FAT32), and insert the USB flash drive into the motherboard;
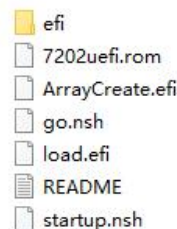
   Please download UEFI software on the official website.

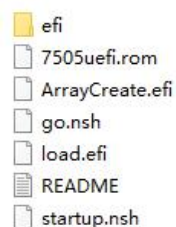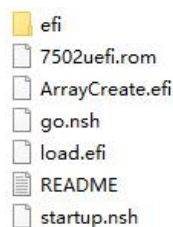| Product	Download Page Link
SSD7103	https://www.highpoint-tech.com/USA_new/series-ssd7103-overview.htm
SSD7202	https://www.highpoint-tech.com/USA_new/series-ssd7202-overview.htm
SSD7505	https://www.highpoint-tech.com/USA_new/series-ssd7505-overview.htm
SSD7502	https://www.highpoint-tech.com/USA_new/series-ssd7502-overview.html
SSD7540	https://www.highpoint-tech.com/USA_new/series-ssd7540-overview.htm

SSD7103:

- efi
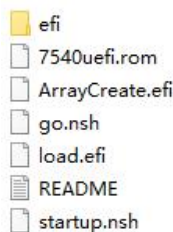- 7103uefi.rom
- ArrayCreate.efi
- go.nsh
- load.efi
- README
- startup.nsh

SSD7202:

- efi
- 7202uefi.rom
- ArrayCreate.efi
- go.nsh
- load.efi
- README
- startup.nsh

SSD7505:

- efi
- 7505uefi.rom
- ArrayCreate.efi
- go.nsh
- load.efi
- README
- startup.nsh

SSD7502:

- efi
- 7502uefi.rom
- ArrayCreate.efi
- go.nsh
- load.efi
- README
- startup.nsh

SSD7540:

- efi
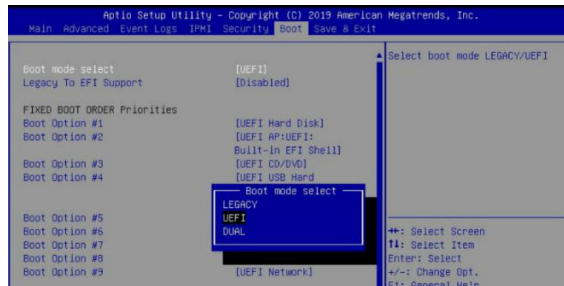- 7540uefi.rom
- ArrayCreate.efi
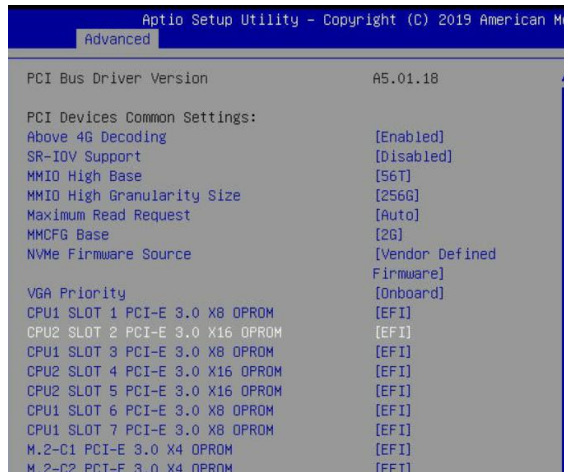- go.nsh
- load.efi
- README
- startup.nsh

Step 2 Check System EFI Settings

1. Insert the SSD7000 series NVMe controller into the motherboard, power on the system, and enter the BIOS.

2. Change the UEFI settings (Example: SuperMicro X11DPi-NT motherboard):
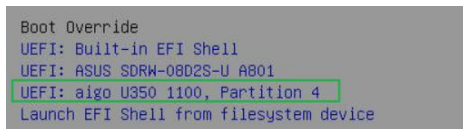
   a. Set 'Boot mode select' to 'UEFI':

b. Set the Slot where the SSD7000 Series NVMe Controller is located to 'EFI'.

3. Save changes and reboot.

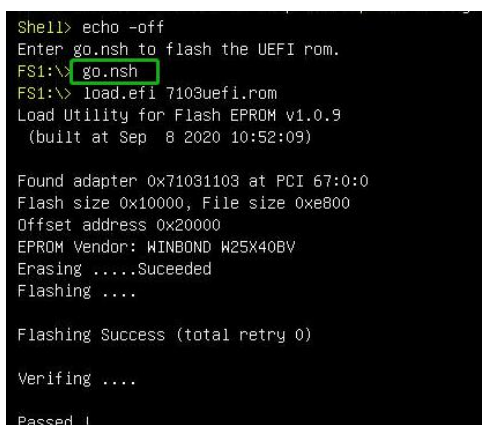## Step 3 Flash the UEFI ROM

1. Boot from the UEFI USB flash drive and enter the UEFI interface;

2. Enter the following command to flash the UEFI ROM to the SSD7000 NVMe Controller:

go.nsh

When the message '**Passed**' appears, the flash was successful.

SSD7103:

SSD7202:

```
Shell> echo -off
Enter go.nsh to flash the UEFI rom.
FS1:\> go.nsh
FS1:\> load.efi 7202uefi.rom
Load Utility for Flash EPROM v1.0.9
 (built at Sep  8 2020 10:52:09)

Found adapter 0x72021103 at PCI 28:0:0
Flash size 0x10000, File size 0xe800
Offset address 0x20000
EPROM Vendor: WINBOND W25X40BV
Erasing .....Suceeded
Flashing ....

Flashing Success (total retry 0)

Verifing ....

Passed !
```

SSD7502:

```
Shell> echo -off
Enter go.nsh to flash the UEFI rom.
FS1:\> go.nsh
FS1:\> load.efi 7502uefi.rom
Load Utility for Flash EPROM v1.0.9
 (built at Sep  8 2020 10:52:09)

Found adapter 0x75051103 at PCI 69:0:0
Flash size 0x10000, File size 0xe800
Offset address 0x20000
EPROM Vendor: WINBOND W25X40BV
Erasing .....Suceeded
Flashing ....

Flashing Success (total retry 0)

Verifing ....

Passed !
```

SSD7505:

```
Shell> echo -off
Enter go.nsh to flash the UEFI rom.
FS1:\> go.nsh
FS1:\> load.efi 7505uefi.rom
Load Utility for Flash EPROM v1.0.9
 (built at Sep  8 2020 10:52:09)

Found adapter 0x75051103 at PCI 69:0:0
Flash size 0x10000, File size 0xe800
Offset address 0x20000
EPROM Vendor: WINBOND W25X40BV
Erasing .....Suceeded
Flashing ....

Flashing Success (total retry 0)

Verifing ....

Passed !
```

SSD7540:

```
Shell> echo -off
Enter go.nsh to flash the UEFI rom.
FS1:\> go.nsh
FS1:\> load.efi 7540uefi.rom
Load Utility for Flash EPROM v1.0.9
 (built at Sep  8 2020 10:52:09)

Found adapter 0x75401103 at PCI 75:0:0
Flash size 0x10000, File size 0xe800
Offset address 0x20000
EPROM Vendor: WINBOND W25X40BV
Erasing .....Suceeded
Flashing ....

Flashing Success (total retry 0)

Verifing ....

Passed !
```

3. Reboot to complete the update process.

Troubleshooting

Problem 1: No supporting host adapter is found

When using the '**go.nsh**' command, the procedure does not start and the message '**No supporting host adapter is found**' is displayed:


```
Shell> echo -off
Enter go.nsh to flash the UEFI rom.
FS1:\> go.nsh
FS1:\> load.efi 7103uefi.rom
Load Utility for Flash EPROM v1.0.9
 (built at Sep  8 2020 10:52:09)

No supporting host adapter is found.
FS1:\> _
```

Solution:

Shutdown the system and move the SSD7000 controller to another PCIe slot, and repeat the flash procedure. If the problem still occurs, please refer to the appendix for collection.

Appendix

Collecting SSD7000 Series UEFI information

1. Unzip the SSD7000 Series NVMe Controller UEFI package to the root dir (/) of a USB flash drive, and insert the USB flash drive into the PC.

2. Make sure the SSD7000 Series NVMe Controller is installed into a PCIe 3.0/4.0 slot with x8 or x16 lanes;

3. Boot from the UEFI USB flash drive and enter the UEFI interface;

4. At the command prompt, type the following command and press Enter:

   drivers

   The following information will be displayed:

5. Save the driver information that is displayed on screen using the following command:

   drivers > drivers.txt

   It will save drivers' log to the USB drive, as the file "**drivers.txt**".

6. At the command prompt, type the following command and press Enter:

   pci

The following information will be displayed:

7. Save the on-screen pci information using the following command:

pci > pci.txt

This will save the pci's log to the USB boot drive, as the file "**pci.txt**".

8. You can now check the contents of the drivers.txt and pci.txt that were saved to the USB flash drive. The items highlighted in red below file indicate that the SSD7000 Series NVMe Controller was recognized, and the driver loaded normally:

SSD7103:

drivers.txt:

pci.txt:

SSD7202:

drivers.txt:

```
112 0000000A ? N N    0    0 IP4 Network Service Driver        Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(9FB1A1F3-3B71-4324-B39A-745CBB015FFF)
113 0000000A ? N N    0    0 MTFTP4 Network Service            Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(DC3641B8-2FA8-4ED3-BC1F-F9962A03454B)
114 0000000A ? N N    0    0 UDP Network Service Driver        Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(6D6963AB-906D-4A65-A7CA-BD40E5D6AF2B)
115 0000000A ? N N    0    0 IP6 Network Service Driver        Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(5BEDB5CC-D830-4EB2-8742-2D4CC9B54F2C)
116 0000000A ? N N    0    0 UDP6 Network Service Driver       Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(D912C7BC-F098-4367-92BA-E911083C7B0E)
117 0000000A ? N N    0    0 DHCP6 Protocol Driver             Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(95E3669D-34BE-4775-A651-7EA41B69D89E)
118 0000000A ? N N    0    0 MTFTP6 Network Service Driver     Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(99F03B99-98D8-49DD-A8D3-3219D0FFE41E)
11B 0000000A D N N    2    0 FAT File System Driver            Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(961578FE-B6B7-44C3-AF35-6BC705CD2B1F)
11C 0000000A ? N N    0    0 iSCSI Driver                      Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(86CDDF93-4872-4597-8AF9-A35AE4D3725F)
11D 0000000A ? N N    0    0 iSCSI Driver
11F 0000000A ? N N    0    0 SCSI Bus Driver                   Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(0167CCC4-D0F7-4F21-A3EF-9E64B7CDCE8B)
120 0000000A ? N N    0    0 Scsi Disk Driver                  Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(0A66E322-3740-4CCE-AD62-BD172CECCA35)
124 00010D92 ? N Y    0    0 Intel(R) DCPMM 1.0.0.3474 Driver  Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(5038F34E-0774-47A0-A5EF-4B94AF1A43DA)
125 00010D92 ? N Y    0    0 Intel(R) DCPMM 1.0.0.3474 HII Drive Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(5038F34E-0774-47A0-A5EF-4B94AF1A43DA)
182 00000010 ? N N    0    0 AMI CSM Block I/O Driver          Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(25ACF158-DD61-4E64-9A49-55851E9A26C7)
183 00000024 B N N    1    1 BIOS[INT10] Video Driver          Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(29CF55F8-B675-4F5D-8F2F-B87A3ECFD063)
184 00000010 ? N N    0    0 <null string>
2E7 00000011 ? N N    0    0 HighPoint NVMe RAID driver v1.1.11  PciRoot(0x1)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x10,0x0)/Pci(0x0,0x0)/Offset(0x98,0xE7FF)
```

pci.txt:

```
           Vendor 10B5 Device 8747 Prog Interface 0
00   19   08    00 ==> Bridge Device - PCI/PCI bridge
           Vendor 10B5 Device 8747 Prog Interface 0
00   19   09    00 ==> Bridge Device - PCI/PCI bridge
           Vendor 10B5 Device 8747 Prog Interface 0
00   19   10    00 ==> Bridge Device - PCI/PCI bridge
           Vendor 10B5 Device 8747 Prog Interface 0
00   19   11    00 ==> Bridge Device - PCI/PCI bridge
           Vendor 10B5 Device 8747 Prog Interface 0
00   1C   00    00 ==> Mass Storage Controller - RAID controller
           Vendor 1103 Device 7202 Prog Interface 0
00   1D   00    00 ==> Mass Storage Controller - Non-volatile memory subsystem
           Vendor 1BB1 Device 5016 Prog Interface 2
00   3A   05    00 ==> Base System Peripherals - Other system peripheral
           Vendor 8086 Device 2034 Prog Interface 0
00   3A   05    02 ==> Base System Peripherals - Other system peripheral
           Vendor 8086 Device 2035 Prog Interface 0
00   3A   05    04 ==> Base System Peripherals - PIC
           Vendor 8086 Device 2036 Prog Interface 20
```

SSD7502:

drivers.txt:

```
110 00000000 ? N N    0    0 DNS Network Service Driver
111 0000000A ? N N    0    0 DHCP Protocol Driver              Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(94734718-0BBC-47FB-96A5-EE7A5AE6A2AD)
112 0000000A ? N N    0    0 IP4 Network Service Driver        Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(9FB1A1F3-3B71-4324-B39A-745CBB015FFF)
113 0000000A ? N N    0    0 MTFTP4 Network Service            Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(DC3641B8-2FA8-4ED3-BC1F-F9962A03454B)
114 0000000A ? N N    0    0 UDP Network Service Driver        Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(6D6963AB-906D-4A65-A7CA-BD40E5D6AF2B)
115 0000000A ? N N    0    0 IP6 Network Service Driver        Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(5BEDB5CC-D830-4EB2-8742-2D4CC9B54F2C)
116 0000000A ? N N    0    0 UDP6 Network Service Driver       Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(D912C7BC-F098-4367-92BA-E911083C7B0E)
117 0000000A ? N N    0    0 DHCP6 Protocol Driver             Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(95E3669D-34BE-4775-A651-7EA41B69D89E)
118 0000000A ? N N    0    0 MTFTP6 Network Service Driver     Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(99F03B99-98D8-49DD-A8D3-3219D0FFE41E)
11B 0000000A D N N    2    0 FAT File System Driver            Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(961578FE-B6B7-44C3-AF35-6BC705CD2B1F)
11C 0000000A ? N N    0    0 iSCSI Driver                      Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(86CDDF93-4872-4597-8AF9-A35AE4D3725F)
11D 0000000A ? N N    0    0 iSCSI Driver
11F 0000000A ? N N    0    0 SCSI Bus Driver                   Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(0167CCC4-D0F7-4F21-A3EF-9E64B7CDCE8B)
120 0000000A ? N N    0    0 Scsi Disk Driver                  Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(0A66E322-3740-4CCE-AD62-BD172CECCA35)
124 00010D92 ? N Y    0    0 Intel(R) DCPMM 1.0.0.3474 Driver  Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(5038F34E-0774-47A0-A5EF-4B94AF1A43DA)
125 00010D92 ? N Y    0    0 Intel(R) DCPMM 1.0.0.3474 HII Drive Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(5038F34E-0774-47A0-A5EF-4B94AF1A43DA)
182 00000010 ? N N    0    0 AMI CSM Block I/O Driver          Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(25ACF158-DD61-4E64-9A49-55851E9A26C7)
183 00000024 B N N    1    1 BIOS[INT10] Video Driver          Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(29CF55F8-B675-4F5D-8F2F-B87A3ECFD063)
184 00000010 ? N N    0    0 <null string>
2EE 00000011 B N N    1    2 HighPoint NVMe RAID driver v1.1.12  PciRoot(0x2)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0xC,0x0)/Pci(0x0,0x0)/Pci(0x14,0x0)/Pci(0x0,0x0)/Offset(0x98,0xE7FF)
```

pci.txt:

```
00   40   00    00 ==> Mass Storage Controller - Non-volatile memory subsystem
           Vendor 1BB1 Device 5016 Prog Interface 2
00   43   00    00 ==> Bridge Device - PCI/PCI bridge
           Vendor 1000 Device C010 Prog Interface 0
00   44   14    00 ==> Bridge Device - PCI/PCI bridge
           Vendor 1000 Device C010 Prog Interface 0
00   44   15    00 ==> Bridge Device - PCI/PCI bridge
           Vendor 1000 Device C010 Prog Interface 0
00   45   00    00 ==> Mass Storage Controller - RAID controller
           Vendor 1103 Device 7505 Prog Interface 0
00   5D   02    00 ==> Bridge Device - PCI/PCI bridge
           Vendor 8086 Device 2032 Prog Interface 0
00   5D   05    00 ==> Base System Peripherals - Other system peripheral
           Vendor 8086 Device 2034 Prog Interface 0
00   5D   05    02 ==> Base System Peripherals - Other system peripheral
           Vendor 8086 Device 2035 Prog Interface 0
00   5D   05    04 ==> Base System Peripherals - PIC
           Vendor 8086 Device 2036 Prog Interface 20
00   5D   0E    00 ==> Data Acquisition & Signal Processing Controllers - Performance Counters
           Vendor 8086 Device 2058 Prog Interface 0
```

SSD7505:

drivers.txt:

```
110 00000000 ? N N   0   0 DNS Network Service Driver
111 0000000A ? N N   0   0 DHCP Protocol Driver              Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(94734718-0BBC-47FB-96A5-EE7A5AE6A2AD)
112 0000000A ? N N   0   0 IP4 Network Service Driver        Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(9FB1A1F3-3B71-4324-B39A-745CBB015FFF)
113 0000000A ? N N   0   0 MTFTP4 Network Service            Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(DC3641B8-2FA8-4ED3-BC1F-F9962A03454B)
114 0000000A ? N N   0   0 UDP Network Service Driver        Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(6D6963AB-906D-4A65-A7CA-BD40E5D6AF2B)
115 0000000A ? N N   0   0 IP6 Network Service Driver        Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(5BEDB5CC-D830-4EB2-8742-2D4CC9B54F2C)
116 0000000A ? N N   0   0 UDP6 Network Service Driver       Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(D912C7BC-F098-4367-92BA-E911083C7B0E)
117 0000000A ? N N   0   0 DHCP6 Protocol Driver             Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(95E3669D-34BE-4775-A651-7EA41B69D89E)
118 0000000A ? N N   0   0 MTFTP6 Network Service Driver     Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(99F03B99-98D8-49DD-A8D3-3219D0FFE41E)
11B 0000000A D N N   2   0 FAT File System Driver            Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(961578FE-B6B7-44C3-AF35-6BC705CD2B1F)
11C 0000000A ? N N   0   0 iSCSI Driver                      Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(86CDDF93-4872-4597-8AF9-A35AE4D3725F)
11D 0000000A ? N N   0   0 iSCSI Driver
11F 0000000A ? N N   0   0 SCSI Bus Driver                   Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(0167CCC4-D0F7-4F21-A3EF-9E64B7CDCE8B)
120 0000000A ? N N   0   0 Scsi Disk Driver                  Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(0A66E322-3740-4CCE-AD62-BD172CECCA35)
124 00010D92 ? N Y   0   0 Intel(R) DCPMM 1.0.0.3474 Driver  Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(5038F34E-0774-47A0-A5EF-4B94AF1A43DA)
125 00010D92 ? N Y   0   0 Intel(R) DCPMM 1.0.0.3474 HII Drive Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(5038E34E-0774-47A0-A5EF-4B94AF1A43DA)
182 00000010 ? N N   0   0 AMI CSM Block I/O Driver          Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(25ACF158-DD61-4E64-9A49-55851E9A26C7)
183 00000024 B N N   1   1 BIOS[INT10] Video Driver          Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(29CF55F8-B675-4F5D-8F2F-B87A3ECFD063)
184 00000010 ? N N   0   0 <null string>
2EF 00000011 B N N   1   2 HighPoint NVMe RAID driver v1.1.11  PciRoot(0x2)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0xC,0x0)/Pci(0x0,0x0)/Pci(0x14,0x0)
/Pci(0x0,0x0)/Offset(0x98,0xE7FF)
```

pci.txt:

```
         Vendor 1000 Device C010 Prog Interface 0
00   44   14   00 ==> Bridge Device - PCI/PCI bridge
         Vendor 1000 Device C010 Prog Interface 0
00   44   15   00 ==> Bridge Device - PCI/PCI bridge
         Vendor 1000 Device C010 Prog Interface 0
00   45   00   00 ==> Mass Storage Controller - RAID controller
         Vendor 1103 Device 7505 Prog Interface 0
00   47   00   00 ==> Mass Storage Controller - Other mass storage controller
         Vendor 1000 Device C010 Prog Interface 0
00   5D   02   00 ==> Bridge Device - PCI/PCI bridge
         Vendor 8086 Device 2032 Prog Interface 0
00   5D   05   00 ==> Base System Peripherals - Other system peripheral
         Vendor 8086 Device 2034 Prog Interface 0
00   5D   05   02 ==> Base System Peripherals - Other system peripheral
         Vendor 8086 Device 2035 Prog Interface 0
00   5D   05   04 ==> Base System Peripherals - PIC
         Vendor 8086 Device 2036 Prog Interface 20
```

SSD7540:

drivers:

```
114 0000000A ? - - - - UDP Network Service Driver      Udp4Dxe
115 0000000A ? - - - - IP6 Network Service Driver      Ip6Dxe
116 0000000A ? - - - - UDP6 Network Service Driver     Udp6Dxe
117 0000000A ? - - - - DHCP6 Protocol Driver           Dhcp6Dxe
118 0000000A ? - - - - MTFTP6 Network Service Driver   Mtftp6Dxe
11B 0000000A D - - 2 - FAT File System Driver          Fat
11C 0000000A ? - - - - iSCSI Driver                    IScsiDxe
11D 0000000A ? - - - - iSCSI Driver                    IScsiDxe
11F 0000000A ? - - - - SCSI Bus Driver                 ScsiBus
120 0000000A ? - - - - Scsi Disk Driver                ScsiDisk
124 00010D92 ? - X - - Intel(R) DCPMM 1.0.0.3474 Driver      FvFile(5038F34E-0774-47A0-A5EF-4B94AF1A43DA)
125 00010D92 ? - X - - Intel(R) DCPMM 1.0.0.3474 HII Drive FvFile(5038E34E-0774-47A0-A5EF-4B94AF1A43DA)
182 00000010 ? - - - - AMI CSM Block I/O Driver         CsmBlockIo
183 00000024 B - - 1 1 BIOS[INT10] Video Driver         CsmVideo
184 00000010 ? - - - - <null string>
2FB 00000011 D - - 8 - HighPoint NVMe RAID driver v1.1.11  Offset(0x98,0xE7FF)
```

pci.txt:

```
00   44   08   00 ==> Bridge Device - PCI/PCI bridge
         Vendor 1000 Device C010 Prog Interface 0
00   44   0C   00 ==> Bridge Device - PCI/PCI bridge
         Vendor 1000 Device C010 Prog Interface 0
00   49   00   00 ==> Bridge Device - PCI/PCI bridge
         Vendor 1000 Device C010 Prog Interface 0
00   4A   14   00 ==> Bridge Device - PCI/PCI bridge
         Vendor 1000 Device C010 Prog Interface 0
00   4A   15   00 ==> Bridge Device - PCI/PCI bridge
         Vendor 1000 Device C010 Prog Interface 0
00   4B   00   00 ==> Mass Storage Controller - RAID controller
         Vendor 1103 Device 7540 Prog Interface 0
00   4D   00   00 ==> Mass Storage Controller - Other mass storage controller
         Vendor 1000 Device C010 Prog Interface 0
00   5D   02   00 ==> Bridge Device - PCI/PCI bridge
         Vendor 8086 Device 2032 Prog Interface 0
00   5D   05   00 ==> Base System Peripherals - Other system peripheral
         Vendor 8086 Device 2034 Prog Interface 0
00   5D   05   02 ==> Base System Peripherals - Other system peripheral
         Vendor 8086 Device 2035 Prog Interface 0
00   5D   05   04 ==> Base System Peripherals - PIC
         Vendor 8086 Device 2036 Prog Interface 20
```

If you fail to update SSD7000 Series NVMe Controller UEFI ROM, please submit a support ticket using our [Online Support Portal](#), include a description of the problem in as much detail as possible, and upload the **driver.txt** & **pci.txt** information.