

SSD7000系列UEFI ROM更新指南 (PC)

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目录

概览.....	3
前提准备.....	4
更新UEFI ROM.....	5
步骤1 准备UEFI ROM软件包.....	5
步骤2 检查系统EFI设置.....	5
步骤3 刷新UEFI ROM.....	6
故障排除.....	8
附录.....	9

概览

本指南说明了如何使用PC平台更新SSD7000系列NVMe RAID控制器的UEFI ROM

前提条件

这部分介绍SSD7000系列NVMe RAID控制器的基本硬件和软件要求

更新UEFI ROM

这部分介绍如何使用PC更新UEFI ROM

故障排除

如果您在刷新SSD7000系列NVMe控制器UEFI ROM时遇到任何困难，请查阅这部分，它包括对常见技术问题的描述和解决方案

附录

这部分介绍如何收集通过在线支持门户网站提交申请所需的信息

前提条件

1. **必须卸下NVMe驱动器** 为避免数据丢失，请从SSD7000系列NVMe控制器中卸下所有NVMe驱动器
2. **具有x8或x16通道的PCIe 3.0 / 4.0插槽** 必须将SSD7202，SSD7103，SSD7105或SSD7505安装到具有x8或x16通道的PCIe 3.0 / 4.0插槽中
3. **主板需要启动UEFI模式** 确认主板在UEFI模式下启动
4. **USB闪存盘：FAT32格式** 确保USB闪存驱动器的文件系统为FAT32格式

更新UEFI ROM

步骤1 准备UEFI ROM软件包

1. 将SSD7000系列NVMe控制器UEFI软件包解压缩到USB闪存驱动器（例如FAT32）的根目录（/），然后将USB闪存驱动器插入主板

请在官方网站上下载UEFI软件

产品	下载链接
SSD7103	http://highpoint-tech.cn/product-detail7103.html
SSD7202	http://highpoint-tech.cn/product-detail7202.html
SSD7105	http://highpoint-tech.cn/product-detail7105.html
SSD7505	http://highpoint-tech.cn/product-detail7505.html

SSD7103:

....
efi
7103uefi.rom
ArrayCreate.efi
load.efi
README
SSD7103.nsh
startup.nsh

SSD7202:

efi
7202uefi.rom
ArrayCreate.efi
load.efi
README
SSD7202.nsh
startup.nsh

SSD7105:

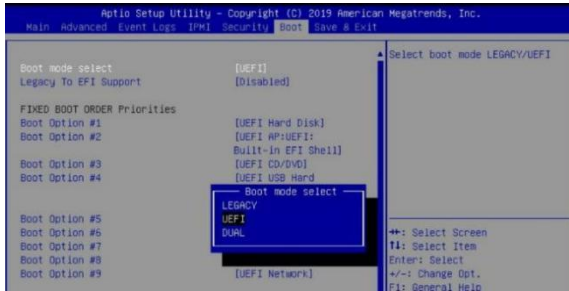
efi
7105uefi.rom
ArrayCreate.efi
load.efi
README
SSD7105.nsh
startup.nsh

SSD7505:

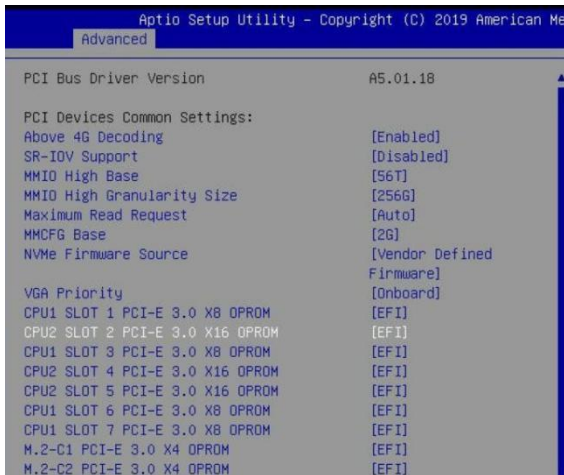
efi
7505uefi.rom
ArrayCreate.efi
load.efi
README
SSD7505.nsh
startup.nsh

步骤2 检查系统EFI设置

1. 将SSD7000系列NVMe控制器插入主板，打开系统电源后进入BIOS
2. 更改UEFI设置（例如：SuperMicro X11DPi-NT主板）
 - a. 设置‘Boot mode select’为‘UEFI’



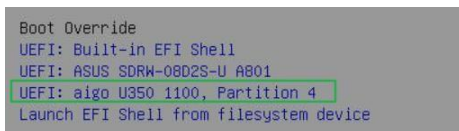
- b. 将SSD7000系列NVMe控制器所在的插槽设置为“EFI”。



3. 保存更改并重新启动

步骤3 刷新UEFI ROM

1. 从UEFI USB闪存驱动器启动并进入UEFI界面

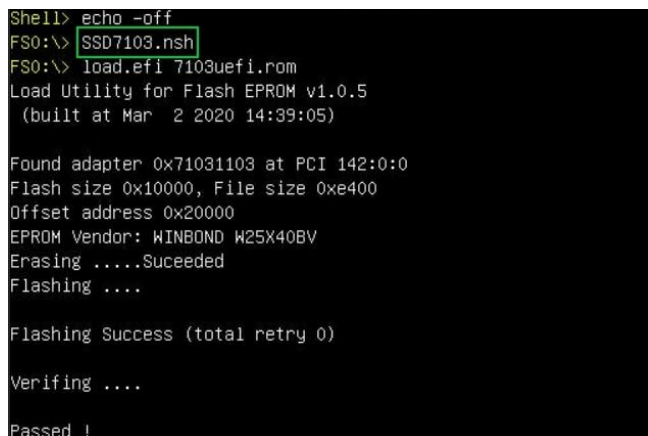


2. 输入以下命令使用UEFI ROM刷新SSD7000 NVMe控制器:

SSD7xxx.nsh

当出现‘Passed’消息时，刷新成功

SSD7103:



SSD7202:

```
Shell> echo -off
FS0:\> SSD7202.nsh
FS0:\> load.efi 7202uefi.rom
Load Utility for Flash EPROM v1.0.5
(built at Mar 12 2020 13:34:24)

Found adapter 0x72021103 at PCI 138:0:0
Flash size 0x10000, File size 0xe200
Offset address 0x20000
EPROM Vendor: WINBOND W25X40BV
Erasing .....Succeeded
Flashing ....

Flashing Success (total retry 0)

Verifying ....
Passed !
```

SSD7105:

```
Shell> echo -off
FS0:\> SSD7105.nsh
FS0:\> load.efi 7105uefi.rom
Load Utility for Flash EPROM v1.0.7
(built at Jul 16 2020 18:40:15)

Found adapter 0x71051103 at PCI 140:0:0
Flash size 0x10000, File size 0xea00
Offset address 0x20000
EPROM Vendor: WINBOND W25X40BV
Erasing .....Succeeded
Flashing ....

Flashing Success (total retry 0)

Verifying ....
Passed !
```

SSD7505:

```
Shell> echo -off
FS0:\> SSD7505.nsh
FS0:\> load.efi 7505uefi.rom
Load Utility for Flash EPROM v1.0.6
(built at May 13 2020 17:21:35)

Found adapter 0x75051103 at PCI 144:0:0
Flash size 0x10000, File size 0xea00
Offset address 0x20000
EPROM Vendor: WINBOND W25X40BV
Erasing .....Succeeded
Flashing ....

Flashing Success (total retry 0)

Verifying ....
Passed !
```

3. 重新启动以完成更新过程

故障排除

问题1: 找不到支持的主机适配器

当使用‘SSD7xxx.nsh’命令时该过程无法开始，并显示消息‘**No supporting host adapter is found**’

```
FS0:\> SSD7103.nsh
FS0:\> load.efi 7103uefi.rom
Load Utility for Flash EPROM v1.0.4
(built at Apr 28 2019 16:51:40)
No supporting host adapter is found.
FS0:\>
```

解决方案:

关闭系统，将SSD7000控制器移至另一个PCIe插槽，然后重复刷新过程。如果问题仍然存在，请参考附录进行信息收集

附录

收集SSD7000系列UEFI信息

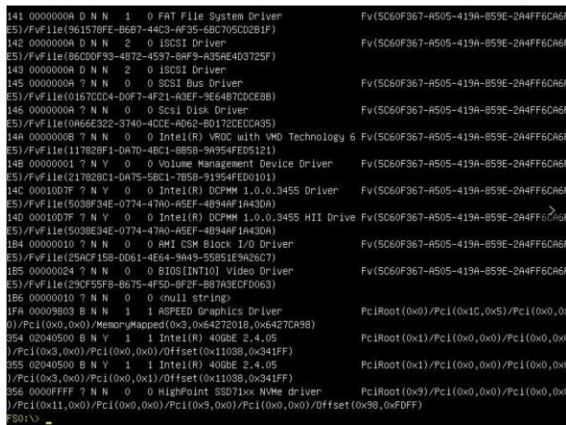
1. 将SSD7000系列NVMe控制器UEFI软件包解压缩到USB闪存驱动器的根目录 (/)，然后将USB闪存驱动器插入PC
2. 确保将SSD7000系列NVMe控制器安装到具有x8或x16通道的PCIe 3.0 / 4.0插槽中
3. 从UEFI USB闪存驱动器启动并进入UEFI界面
4. 在命令提示符处，键入以下命令，然后按Enter键：

drivers



```
FS0:\> drivers
```

将显示下列信息：



```
141 0000000A D N N 1 0 FAT File System Driver Fv(S060F367-A505-419A-859E-2A4FF6D6F
E5)/FvFile(961578FE-B6B7-44C3-AF35-6BC705C0281F)
142 0000000A D N N 2 0 SCSI Driver Fv(S060F367-A505-419A-859E-2A4FF6D6F
E5)/FvFile(8620F33-4872-4537-28F9-A56AE40325F)
143 0000000A D N N 2 0 SCSI Driver Fv(S060F367-A505-419A-859E-2A4FF6D6F
E5)/FvFile(11782BF1-0A70-4BC1-8859-9A954ED5121)
144 0000000A D N N 2 0 SCSI Driver Fv(S060F367-A505-419A-859E-2A4FF6D6F
E5)/FvFile(0167CCD4-00F7-4F21-A8EF-9E6487C0CE8B)
145 0000000A ? N N 0 0 SCSI Bus Driver Fv(S060F367-A505-419A-859E-2A4FF6D6F
E5)/FvFile(0167CCD4-00F7-4F21-A8EF-9E6487C0CE8B)
146 0000000A ? N N 0 0 Scsi Disk Driver Fv(S060F367-A505-419A-859E-2A4FF6D6F
E5)/FvFile(0666E922-3740-4CDE-A062-B0172CC0A35)
148 00000009 ? N N 0 0 Intel(R) iRAC with iMD Technology 6 Fv(S060F367-A505-419A-859E-2A4FF6D6F
E5)/FvFile(11782BF1-0A70-4BC1-8859-9A954ED5121)
148 00000001 ? N Y 0 0 Volume Management Device Driver Fv(S060F367-A505-419A-859E-2A4FF6D6F
E5)/FvFile(217828C1-0A75-5BC1-7859-91954ED0101)
142 0001007F ? N Y 0 0 Intel(R) DCPMM 1.0.0.3455 Driver Fv(S060F367-A505-419A-859E-2A4FF6D6F
E5)/FvFile(5038F34E-0774-47A0-A5EF-4B94AF1A43DA)
140 0001007F ? N Y 0 0 Intel(R) DCPMM 1.0.0.3455 HII Drive Fv(S060F367-A505-419A-859E-2A4FF6D6F
E5)/FvFile(5038F34E-0774-47A0-A5EF-4B94AF1A43DA)
184 00000010 ? N N 0 0 AMI DSM Block I/O Driver Fv(S060F367-A505-419A-859E-2A4FF6D6F
E5)/FvFile(25ACF158-0061-4E64-9A49-55851E9A26C7)
185 00000024 ? N N 0 0 BIOS [INT10] Video Driver Fv(S060F367-A505-419A-859E-2A4FF6D6F
E5)/FvFile(29CF55F8-B675-4F5D-8F2F-B87A3E0F0063)
185 00000010 ? N N 0 0 null string
1FA 00009803 B N N 1 1 i86PEED Graphics Driver PciRoot(0x0)/Pci(0x1C,0x5)/Pci(0x0,0x
0)/Pci(0x0,0x0)/MemoryMapped(0x3,0x64272018,0x6427C998)
354 02040500 B N Y 1 1 Intel(R) 40GbE 2.4.05 PciRoot(0x1)/Pci(0x0,0x0)/Pci(0x0,0x0
)/Pci(0x3,0x0)/Pci(0x0,0x0)/Offset(0x11038,0x341FF)
355 02040500 B N Y 1 1 Intel(R) 40GbE 2.4.05 PciRoot(0x1)/Pci(0x0,0x0)/Pci(0x0,0x0
)/Pci(0x3,0x0)/Pci(0x0,0x1)/Offset(0x11038,0x341FF)
355 0000FFFF ? N N 0 0 HighPoint SSD71xx NVMe driver PciRoot(0x3)/Pci(0x0,0x0)/Pci(0x0,0x0
)/Pci(0x11,0x0)/Pci(0x0,0x0)/Pci(0x3,0x0)/Pci(0x0,0x0)/Offset(0x98,0xFDF)
FS0:\>
```

5. 使用以下命令保存在屏幕上显示的驱动程序信息：

drivers > drivers.txt



```
FS0:\> drivers > drivers.txt
```

它将驱动程序的日志作为文件“drivers.txt”保存在USB驱动器

6. 在命令提示符处，键入以下命令，然后按Enter：

pci



```
FS0:\> pci
```

将显示以下信息：

```
00 07 05 02 ==> Base System Peripherals - Other system peripheral
Vendor 8086 Device 2035 Prog Interface 0
00 07 05 04 ==> Base System Peripherals - PIC
Vendor 8086 Device 2036 Prog Interface 0
00 07 0E 00 ==> Data Acquisition & Signal Processing Controllers - Performance Counters
Vendor 8086 Device 2058 Prog Interface 0
00 07 0E 01 ==> Base System Peripherals - Other system peripheral
Vendor 8086 Device 2059 Prog Interface 0
00 07 0E 00 ==> Data Acquisition & Signal Processing Controllers - Performance Counters
Vendor 8086 Device 2058 Prog Interface 0
00 07 0E 01 ==> Base System Peripherals - Other system peripheral
Vendor 8086 Device 2059 Prog Interface 0
00 07 12 00 ==> Data Acquisition & Signal Processing Controllers - Performance Counters
Vendor 8086 Device 204C Prog Interface 0
00 07 12 01 ==> Data Acquisition & Signal Processing Controllers - Performance Counters
Vendor 8086 Device 204D Prog Interface 0
00 07 12 02 ==> Base System Peripherals - Other system peripheral
Vendor 8086 Device 204E Prog Interface 0
00 07 1E 00 ==> Base System Peripherals - Other system peripheral
Vendor 8086 Device 2018 Prog Interface 0
00 07 15 01 ==> Data Acquisition & Signal Processing Controllers - Performance Counters
Vendor 8086 Device 2088 Prog Interface 0
00 07 1E 00 ==> Base System Peripherals - Other system peripheral
Vendor 8086 Device 2018 Prog Interface 0
00 07 16 01 ==> Data Acquisition & Signal Processing Controllers - Performance Counters
Vendor 8086 Device 2088 Prog Interface 0
00 07 1E 04 ==> Base System Peripherals - Other system peripheral
Vendor 8086 Device 2018 Prog Interface 0
00 07 16 05 ==> Data Acquisition & Signal Processing Controllers - Performance Counters
Vendor 8086 Device 2088 Prog Interface 0
```

7. 使用以下命令保存屏幕上的pci信息：

pci > pci.txt

```
FS0:\> pci > pci.txt
```

这会将pci的日志作为文件“pci.txt”保存到USB启动驱动器

8. 现在您可以检查保存到USB闪存驱动器中的driver.txt和pci.txt的内容，文件下方以红色突出显示的项目表示已识别SSD7000系列NVMe控制器，并且驱动程序已正常加载

SSD7103:

drivers.txt:

```
14A 0000000B ? N N 0 0 Intel(R) VROC with VMD Technology 6 Fv(5C60F367-A505-419A-859E-2A4FF6CA6F5)/FvFile(117828F1-DA7D-4BC1-8B58-9A954FED5121)
14B 00000001 ? N Y 0 0 Volume Management Device Driver Fv(5C60F367-A505-419A-859E-2A4FF6CA6F5)/FvFile(217828C1-DA75-5BC1-7B52-91954FED0101)
14C 00010D7F ? N Y 0 0 Intel(R) DCPMM 1.0.0.3455 Driver Fv(5C60F367-A505-419A-859E-2A4FF6CA6F5)/FvFile(5038F34E-0774-47AD-A5EF-4B94AF1A43DA)
14D 00010D7F ? N Y 0 0 Intel(R) DCPMM 1.0.0.3455 HII Drive Fv(5C60F367-A505-419A-859E-2A4FF6CA6F5)/FvFile(5038F34E-0774-47AD-A5EF-4B94AF1A43DA)
1B4 00000010 ? N N 0 0 AMI CSM Block I/O Driver Fv(5C60F367-A505-419A-859E-2A4FF6CA6F5)/FvFile(25ACF158-DD61-4E64-9A49-55851E9A26C7)
1B5 00000024 ? N N 0 0 BIOS(INIT10) Video Driver Fv(5C60F367-A505-419A-859E-2A4FF6CA6F5)/FvFile(28CF5F9-8675-4F5D-8F2F-B87A3ECFD063)
1B6 00000010 ? N N 0 0 <null string>
1FA 00009803 B N N 1 1 ASPEED Graphics Driver PciRoot(0x0)/Pci(0x1C,0x5)/Pci(0x0,0x0)/Pci(0x0,0x0)/MemoryMapped(0x3,0x64272018,0x6427CA98)
354 02040500 B N Y 1 1 Intel(R) 40GbE 2.4.05 PciRoot(0x1)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x3,0x0)/Pci(0x0,0x0)/Offset(0x11038,0x341FF)
355 02040500 B N Y 1 1 Intel(R) 40GbE 2.4.05 PciRoot(0x1)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x3,0x0)/Pci(0x0,0x1)/Offset(0x11038,0x241FF)
356 0000FFFF ? N N 0 0 HighPoint SSD71xx NVMe driver PciRoot(0x9)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x11,0x0)/Pci(0x0,0x0)/Pci(0x9,0x0)/Pci(0x0,0x0)/Offset(0x98,0xFDFE)
```

pci.txt:

```
Vendor 10B5 Device 8747 Prog Interface 0
00 87 11 00 ==> Bridge Device - PCI/PCI bridge
Vendor 10B5 Device 8747 Prog Interface 0
00 8B 00 00 ==> Bridge Device - PCI/PCI bridge
Vendor 10B5 Device 8747 Prog Interface 0
00 8C 08 00 ==> Bridge Device - PCI/PCI bridge
Vendor 10B5 Device 8747 Prog Interface 0
00 8C 09 00 ==> Bridge Device - PCI/PCI bridge
Vendor 10B5 Device 8747 Prog Interface 0
00 8C 10 00 ==> Bridge Device - PCI/PCI bridge
Vendor 10B5 Device 8747 Prog Interface 0
00 8C 11 00 ==> Bridge Device - PCI/PCI bridge
Vendor 10B5 Device 8747 Prog Interface 0
00 8E 00 00 ==> Mass Storage Controller - RAID controller
Vendor 1103 Device 7103 Prog Interface 0
00 AE 05 00 ==> Base System Peripherals - Other system peripheral
Vendor 8086 Device 2034 Prog Interface 0
00 AE 05 02 ==> Base System Peripherals - Other system peripheral
Vendor 8086 Device 2035 Prog Interface 0
00 AE 05 04 ==> Base System Peripherals - PIC
Vendor 8086 Device 2036 Prog Interface 20
00 AE 08 00 ==> Base System Peripherals - Other system peripheral
```

SSD7202:**drivers.txt:**

```

141 0000000A D -- 1 - FAT File System Driver      Fat
142 0000000A D -- 2 - iSCSI Driver                iScsiDxe
143 0000000A D -- 2 - iSCSI Driver                iScsiDxe
145 0000000A ? - - - SCSI Bus Driver             ScsiBus
146 0000000A ? - - - Scsi Disk Driver           ScsiDisk
14A 0000000B ? - - - Intel(R) VROC with VMD Technology 6 FvFile(117828F1-DA7D-4BC1-8B58-9A954FED5121)
14B 00000001 ? - X - - Volume Management Device Driver  FvFile(217828C1-DA75-5BC1-7B58-91954FED0101)
14C 00010D7F ? - X - - Intel(R) DCPMM 1.0.0.3455 Driver  FvFile(5038F34E-0774-47A0-A5EF-4B94AF1A43DA)
14D 00010D7F ? - X - - Intel(R) DCPMM 1.0.0.3455 Hll Drive FvFile(5038E34E-0774-47A0-A5EF-4B94AF1A43DA)
1B4 00000010 ? - - - AMI CSM Block I/O Driver      CsmBlockIo
1B5 00000024 ? - - - BIOS[INT10] Video Driver      CsmVideo
1B6 00000010 ? - - - <null string>
1FA 00009803 B - - - 1 ASPEED Graphics Driver      MemoryMapped
(0x3,0x425D018,0x64267A98)
34F 02040500 B - X 1 1 Intel(R) 40GbE 2.4.05      Offset(0x11038,0x341FF)
350 02040500 B - X 1 1 Intel(R) 40GbE 2.4.05      Offset(0x11038,0x341FF)
351 00000011 ? - - - HighPoint SSD7xxx NVMe driver      Offset(0x98,0xE1FF)

```

pci.txt:

```

00 87 08 00 ==> Bridge Device - PCI/PCI bridge
Vendor 10B5 Device 8747 Prog Interface 0
00 87 09 00 ==> Bridge Device - PCI/PCI bridge
Vendor 10B5 Device 8747 Prog Interface 0
00 87 10 00 ==> Bridge Device - PCI/PCI bridge
Vendor 10B5 Device 8747 Prog Interface 0
00 87 11 00 ==> Bridge Device - PCI/PCI bridge
Vendor 10B5 Device 8747 Prog Interface 0
00 8A 00 00 ==> Mass Storage Controller - RAID controller
Vendor 1103 Device 7202 Prog Interface 0
00 AE 05 00 ==> Base System Peripherals - Other system peripheral
Vendor 8086 Device 2034 Prog Interface 0
00 AE 05 02 ==> Base System Peripherals - Other system peripheral
Vendor 8086 Device 2035 Prog Interface 0
00 AE 05 04 ==> Base System Peripherals - PIC
Vendor 8086 Device 2036 Prog Interface 20
00 AE 08 00 ==> Base System Peripherals - Other system peripheral
Vendor 8086 Device 2066 Prog Interface 0
00 AE 09 00 ==> Base System Peripherals - Other system peripheral
Vendor 8086 Device 2066 Prog Interface 0
00 AE 0A 00 ==> Base System Peripherals - Other system peripheral
Vendor 8086 Device 2040 Prog Interface 0

```

SSD7105:**drivers.txt:**

```

14A 0000000B ? N N 0 0 Intel(R) VROC with VMD Technology 6 Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(117828F1-DA7D-4BC1-8B58-9A954FED5121)
14B 00000001 ? N Y 0 0 Volume Management Device Driver  Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(217828C1-DA75-5BC1-7B58-91954FED0101)
14C 00010D7F ? N Y 0 0 Intel(R) DCPMM 1.0.0.3455 Driver  Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(5038F34E-0774-47A0-A5EF-4B94AF1A43DA)
14D 00010D7F ? N Y 0 0 Intel(R) DCPMM 1.0.0.3455 Hll Drive Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(5038E34E-0774-47A0-A5EF-4B94AF1A43DA)
1B4 00000010 ? N N 0 0 AMI CSM Block I/O Driver      Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(25ACF158-DD61-4E64-9A49-55851E9A26C7)
1B5 00000024 ? N N 0 0 BIOS[INT10] Video Driver  Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(29CF55F8-8675-4F5D-8F2F-B87A3ECFD063)
1B6 00000010 ? N N 0 0 <null string>
1FA 00009803 B N N 1 1 ASPEED Graphics Driver      PciRoot(0x0)/Pci(0x1C,0x5)/Pci(0x0,0x0)/Pci(0x0,0x0)/MemoryMapped(0x3,0x64274018,0x6427EA98)
354 02040500 B N Y 1 1 Intel(R) 40GbE 2.4.05      PciRoot(0x1)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x3,0x0)/Pci(0x0,0x0)/Offset(0x11038,0x341FF)
355 02040500 B N Y 1 1 Intel(R) 40GbE 2.4.05      PciRoot(0x1)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x3,0x0)/Pci(0x0,0x1)/Offset(0x11038,0x341FF)
356 00000011 ? N N 0 0 HighPoint NVMe RAID driver v1.1.8 PciRoot(0x9)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x12,0x0)/Pci(0x0,0x0)/Offset(0x98,0xE9FF)

```

pci.txt:

```

00 87 09 00 ==> Bridge Device - PCI/PCI bridge
Vendor 10B5 Device 8749 Prog Interface 0
00 87 10 00 ==> Bridge Device - PCI/PCI bridge
Vendor 10B5 Device 8749 Prog Interface 0
00 87 11 00 ==> Bridge Device - PCI/PCI bridge
Vendor 10B5 Device 8749 Prog Interface 0
00 87 12 00 ==> Bridge Device - PCI/PCI bridge
Vendor 10B5 Device 8749 Prog Interface 0
00 8C 00 00 ==> Mass Storage Controller - RAID controller
Vendor 1103 Device 7105 Prog Interface 0
00 AE 05 00 ==> Base System Peripherals - Other system peripheral
Vendor 8086 Device 2034 Prog Interface 0
00 AE 05 02 ==> Base System Peripherals - Other system peripheral
Vendor 8086 Device 2035 Prog Interface 0
00 AE 05 04 ==> Base System Peripherals - PIC
Vendor 8086 Device 2036 Prog Interface 20
00 AE 08 00 ==> Base System Peripherals - Other system peripheral
Vendor 8086 Device 2066 Prog Interface 0
00 AE 09 00 ==> Base System Peripherals - Other system peripheral
Vendor 8086 Device 2066 Prog Interface 0
00 AE 0A 00 ==> Base System Peripherals - Other system peripheral
Vendor 8086 Device 2040 Prog Interface 0

```

SSD7505:**drivers.txt:**

```

14A 0000000B ? N N 0 0 Intel(R) VROC with VMD Technology 6 Fv(5C60F367-A505-419A-859E-2A4FF6CA6F5)/FvFile(117828F1-DA7D-4BC1-8B58-9A954ED5121)
14B 00000001 ? N Y 0 0 Volume Management Device Driver Fv(5C60F367-A505-419A-859E-2A4FF6CA6F5)/FvFile(217828C1-DA75-58C1-7B58-91954ED0101)
14C 00010D7F ? N Y 0 0 Intel(R) DCPMM 1.0.0.3455 Driver Fv(5C60F367-A505-419A-859E-2A4FF6CA6F5)/FvFile(5038F34E-0774-47AD-A5EF-4B94AF1A43DA)
14D 00010D7F ? N Y 0 0 Intel(R) DCPMM 1.0.0.3455 HII Drive Fv(5C60F367-A505-419A-859E-2A4FF6CA6F5)/FvFile(5038E34E-0774-47AD-A5EF-4B94AF1A43DA)
1B4 00000010 ? N N 0 0 AMI CSM Block I/O Driver Fv(5C60F367-A505-419A-859E-2A4FF6CA6F5)/FvFile(25ACF158-DD61-4E64-9A49-55851E9A26C7)
1B5 00000024 ? N N 0 0 BIOS(INITIO) Video Driver Fv(5C60F367-A505-419A-859E-2A4FF6CA6F5)/FvFile(29CF55F8-B675-4F5D-8F2F-B87A3ECFD063)
1B6 00000010 ? N N 0 0 <null string>
1FA 00009803 B N N 1 1 ASPEED Graphics Driver PciRoot(0x0)/Pci(0x1C,0x5)/Pci(0x0,0x0)/Pci(0x0,0x0)/MemoryMapped(0x3,0x64250018,0x6425AA98)
357 02040500 B N Y 1 1 Intel(R) 40GbE 2.4.05 PciRoot(0x1)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x3,0x0)/Pci(0x0,0x0)/Offset(0x11038,0x341FF)
358 02040500 B N Y 1 1 Intel(R) 40GbE 2.4.05 PciRoot(0x1)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x3,0x0)/Pci(0x0,0x1)/Offset(0x11038,0x341FF)
359 00000011 ? N N 0 0 HighPoint RocketNVMe driver PciRoot(0x9)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0xC,0x0)/Pci(0x0,0x0)/Pci(0x14,0x0)/Pci(0x0,0x0)/Offset(0x98,0xE9FF)

```

pci.txt:

```

00 89 1C 00 ==> Bridge Device - PCI/PCI bridge
Vendor 1000 Device C010 Prog Interface 0
00 8E 00 00 ==> Bridge Device - PCI/PCI bridge
Vendor 1000 Device C010 Prog Interface 0
00 8F 14 00 ==> Bridge Device - PCI/PCI bridge
Vendor 1000 Device C010 Prog Interface 0
00 8F 15 00 ==> Bridge Device - PCI/PCI bridge
Vendor 1000 Device C010 Prog Interface 0
00 90 00 00 ==> Mass Storage Controller - RAID controller
Vendor 1103 Device 7505 Prog Interface 0
00 92 00 00 ==> Mass Storage Controller - Other mass storage controller
Vendor 1000 Device C010 Prog Interface 0
00 AE 05 00 ==> Base System Peripherals - Other system peripheral
Vendor 8086 Device 2034 Prog Interface 0
00 AE 05 02 ==> Base System Peripherals - Other system peripheral
Vendor 8086 Device 2035 Prog Interface 0
00 AE 05 04 ==> Base System Peripherals - PIC
Vendor 8086 Device 2036 Prog Interface 20
00 AE 08 00 ==> Base System Peripherals - Other system peripheral
Vendor 8086 Device 2066 Prog Interface 0
00 AE 09 00 ==> Base System Peripherals - Other system peripheral
Vendor 8086 Device 2066 Prog Interface 0

```

如果您无法更新SSD7000系列NVMe控制器UEFI ROM，请使用我们的在线支持门户提交申请，请尽可能详细地描述问题，并上传driver.txt和pci.txt信息