HighPoint Technologies, Inc.

SSD7000 系列 UEFI ROM 更新指南 (PC)

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概述

本指南介绍如何使用PC平台更新SSD7000系列NVMe RAID控制器的UEFI ROM。

前提条件

本节介绍SSD7000系列NVMeRAID控制器的基本硬件和软件要求。

更新 UEFI ROM

本节介绍如何使用PC更新UFEIROM。

故障排除

如果您在刷新SSD7000系列NVMe控制器UEFIROM时遇到任何困难,请参阅本节。 其中包括常见技术问题的说明和解决方案。

附录

本节介绍如何为您通过我们的在线支持门户提交的案例收集故障排除信息。

前提条件

- 1. **必须删除NVMe驱动器**。为避免数据丢失,请从SSD7000系列NVMe控 制器中移除所有NVMe驱动器。
- A带有x8或x16通道的PCIe 3.0/4.0插槽。SSD7202、SSD7502、SSD7103、 SSD7505、SSD7540或SSD7580必须安装到具有x8或x16通道的PCIe 3.0/4.0 插槽中。
- 3. 主板需要被引导到UEFI模式。确认主板已在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包解压缩到USB闪存驱动器(例如FAT32)的根目录 (/),并将USB闪存驱动器插入主板;

请在官方网站上下载UEFI软件。

产品	下载页面链接
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
SSD7580	https://www.highpoint-tech.com/USA_new/series-ssd7580-
	overview.htm

SSD7103:

SSD7202:



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,接通系统电源,并进入BIOS。
- 2. 更改UEFI设置(例如: SuperMicroX11DPi-NT主板):
 - a. 设置"启动模式选择"为"UEFI":

		Select boot mode LEGACY/UEFI
Legacy To EFI Support	[Disabled]	
FIXED BOOT ORDER Priorities		
Boot Option #1	[UEFI Hard Disk]	
Boot Option #2	(UEFI AP:UEFI:	
	Built-in EFI Shell]	
Boot Option #3	[UEFI CD/DVD]	
Boot Option #4	(UEFI USB Hard	
	Boot mode select	
	LEGACY	
Boot Option #5	UEFI	
Boot Option #6	DUAL	++: Select Screen
Boot Option #7		t1: Select Item
Boot Option #8		Enter: Select
Boot Option #9	[UEFI Network]	+/-: Change Opt.

b. 将SSD7000系列NVMe控制器所在的插槽设置为"EFI"。

Aptio Setup Utility – C Advanced	Copyright (C) 2019 American Me
PCI Bus Driver Version	A5.01.18
PCI Devices Common Settings:	
Above 4G Decoding	[Enabled]
SR-IOV Support	[Disabled]
MMIO High Base	[56T]
MMID High Granularity Size	[256G]
Maximum Read Request	[Auto]
MMCFG Base	[26]
NVMe Firmware Source	[Vendor Defined
	Firmware]
VGA Priority	[Onboard]
CPU1 SLOT 1 PCI-E 3.0 X8 OPROM	[EFI]
	[EFI]
CPU1 SLOT 3 PCI-E 3.0 X8 OPROM	[EFI]
CPU2 SLOT 4 PCI-E 3.0 X16 OPROM	[EFI]
CPU2 SLOT 5 PCI-E 3.0 X16 OPROM	[EFI]
CPU1 SLOT 6 PCI-E 3.0 X8 OPROM	[EFI]
CPU1 SLOT 7 PCI-E 3.0 X8 OPROM	[EFI]
M.2-C1 PCI-E 3.0 X4 OPROM	[EFI]
M.2-C2 PCI-E 3.0 X4 OPROM	[EFI]

3. 保存更改并重新启动。

步骤 3 刷新 UEFI ROM

1. 从UEFI USB闪存驱动器引导,进入UEFI接口;



2. 输入以下命令,将UEFIROM闪存到SSD7000NVMe控制器:

go.nsh

当信息"已通过"出现时,闪存已成功。

SSD7103:

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)

Found adapter 0x71031103 at PCI 67:0:0 Flash size 0x10000, File size 0xe800 Offset address 0x20000 EPROM Vendor: WINBOND W25X40BV ErasingSuceeded Flashing

Flashing Success (total retry 0)

Verifing

Passed !

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

```
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



SSD7505:

SSD7000 Series NVMe Controller UEFI ROM Update Guide (PC)

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 ErasingSuceeded Flashing Flashing Success (total retry 0) Verifing

SSD7540:

Passed !

```
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 ErasingSuceeded Flashing

Flashing Success (total retry 0)

Verifing

Passed !

SSD7580:

```
Shell> echo –off
Enter go.nsh to flash the UEFI rom.
SO:\> go.nsh
SO:\> load.efi 7580uefi.rom
oad Utility for Flash EPROM v1.1.0
(built at Jan 5 2021 13:30:42)
Found adapter 0x75801103 at PCI 145:0:0
Flash size 0x10000, File size 0xe800
Offset address 0x20000
EPROM Vendor: WINBOND W25X40BV
Erasing .....Suceeded
Flashing ....
lashing Success (total retry 0)
Verifing ....
Passed !
FSO:\>
```

3. 重新启动以完成更新过程。

故障排除

找不到任何支持的主机适配器

当使用"go.nsh"命令时,该过程不会启动,并显示"没有找到支持的主机适配器"的消息:



解决方法:

关闭系统,将SSD7000控制器移到另一个PCIe插槽,并重复闪存过程。如果问题仍然 发生,请参考附录进行收集。

UEFI实用程序报告未检测到受支持的控制器

1. 从UEFI设备启动时,驱动器会在旧的启动后加载UEFIBIOS。输入

ArrayCreate.efi以创建RIAD。UEFI实用程序报告没有检测到受支持的控制器。



注意:如果不能成功加载,则我们的UEFIrom与当前的UEFI环境不兼容。

2.然后在UEFI外壳中输入加载程序xxx.rom。根据这个命令的输出,我们可以确 定我们的UEFI驱动程序是否与您的主板兼容,如果可以手动加载,这意味着 BIOS设置不允许加载第三方ROM文件。

SSD7000 系列 NVMe 控制器 UEFI ROM 更新指南 (PC)

FS0:\	loadpcirom 7505uefi.rom
Image	load result: Success
HighPoir	nt NVMe RAID driver version v1.1.13
[81 00] SSD7505 found(0).
[(00] device found (PCI address 85:00:00).
t (01] device found (PCI address 86:00:00).
[(02] device found (PCI address 87:00:00).
[]	03] device found (PCI address 88:00:00).
Adding H	HPT VDO-0 SCSI Disk Device (RAIDO) Capacity 8001GB BlockSize 512 Bytes
FSO:\>	ArrayCreate.efi
Highpoir	nt RAID utility for UEFI (version: 20200306)
==== Cor	ntroller information:
1	Vendor: HighPoint Technologies, Inc.
1	Product: SSD7505 (7505)
==== Ph	ysical device list(count 4):
1/1 Sam	sung SSD 980 PRO 2TB-S69ENGONCOO191X, 2000313MB(MaxFree OMB), Normal
1/2 Sam	sung SSD 980 PRO 2TB-S69ENGONCOO197M, 2000313MB(MaxFree OMB), Normal
1/3 Sam	sung SSD 980 PRO 2TB-S69ENGONCO0194K, 2000313MB(MaxFree OMB), Normal
1/4 Sam	sung SSD 980 PRO 2TB-S69ENGONCOO149T, 2000313MB(MaxFree OMB), Normal
and the	richt deules liet/sourt the
+ (VDO)	RAID A 1 (RAIDA) RAAASERNE (Ctaina E12KR) Normal
1 [000]	Campung SSD 990 BBD 3TP
1/1	Sampung SSD 900 PRU 21D
1/2	Sameung SSD 200 PRU 210
1/3	Sampung SSD 300 TRU 210
1/4	Salisung SSD 960 FRO 216

附录

收集SSD7000系列UEFI信息

- 1. 将SSD7000系列NVMe控制器UEFI包解压缩到USB闪存盘的根目录(/),并将 USB闪存盘插入PC中。
- 2. 确保SSD7000系列NVMe控制器安装在一个带有x8或x16车道的Ω3.0/4.0的插槽中;
- 3. 从UEFI USB闪存驱动器引导,进入UEFI接口;
- 4. 在命令提示符下,键入以下命令并按Enter键:

drivers



此时将显示以下信息:



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

FSO:\> drivers > drivers.txt

它将把驱动程序的日志保存到USB驱动器,作为文件"drivers.

6. 在命令提示符下,键入以下命令并按Enter键:

pci

FSO:\> pci

SSD7000 系列 NVMe 控制器 UEFI ROM 更新指南 (PC)

此时将显示以下信息:



7. 使用以下命令保存屏幕上的pci信息:

pci > pci.txt

FSO:\> pci > pci.txt

这将把pci的日志保存到USB引导驱动器中,作为文件"pci.txt"。

8. 您现在可以检查保存到USB闪存盘中的drivers.txt和pci.txt的内容。下面文件中红 色突出显示的项目表明SSD7000系列NVMe控制器已被识别,驱动程序已正常加 载::

SSD7103:

drivers.txt:

10F	00000000 ?	NN	0	0 DNS Network Service Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(B219E140-DFFC-11E3-B956-0022681E6906)
110	00000000 ?	NN	0	0 DNS Network Service Driver	
111	0000000A ?	NN	0	0 DHCP Protocol Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(94734718-0BBC-47FB-96A5-EE7A5AE6A2AD)
112	0000000A ?	NN	0	0 IP4 Network Service Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(9FB1A1F3-3B71-4324-B39A-745CBB015FFF)
113	0000000A ?	NN	0	0 MTFTP4 Network Service	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(DC364188-2FA8-4ED3-BC1F-F9962A034548)
114	0000000A ?	NN	0	0 UDP Network Service Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(6D6963AB-906D-4A65-A7CA-BD40E5D6AF2B)
115	0000000A ?	NN	0	0 IP6 Network Service Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(5BEDB5CC-D830-4EB2-8742-2D4CC9B54F2C)
116	0000000A ?	NN	0	0 UDP6 Network Service Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(D912C7BC-F098-4367-92BA-E911083C7B0E)
117	0000000A ?	NN	0	0 DHCP6 Protocol Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(95E3669D-34BE-4775-A651-7EA41B69D89E)
118	0000000A ?	NN	0	0 MTFTP6 Network Service Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(99F03B99-98D8-49DD-A8D3-3219D0FFE41E)
11B	0000000A D	NN	2	0 FAT File System Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(961578FE-8687-44C3-AF35-68C705CD281F)
110	0000000A ?	NN	0	0 iSCSI Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(86CDDF93-4872-4597-8AF9-A35AE4D3725F)
11D	0000000A ?	NN	0	0 iSCSI Driver	
11F	0000000A ?	NN	0	0 SCSI Bus Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(0167CCC4-D0F7-4F21-A3EF-9E64B7CDCE8B)
120	0000000A ?	NN	0	0 Scsi Disk Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(0A66E322-3740-4CCE-AD62-BD172CECCA35)
124	00010D92 ?	NY	0	0 Intel(R) DCPMM 1.0.0.3474 Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(5038F34E-0774-47A0-A5EF-4894AF1A43DA)
125	00010D92 ?	NY	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 ?	NN	0	0 AMI CSM Block I/O Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(25ACF158-DD61-4E64-9A49-55851E9A26C7)
183	00000024 B	NN	1	1 BIOS[INT10] Video Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(29CF55F8-B675-4F5D-8F2F-B87A3ECFD063)
184	00000010 ?	NN	0	0 <null string=""></null>	
2EC	00000011 B	NN	1	2 HighPoint NVMe RAID driver v1.1.11	PciRoot(0x2)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x11,0x0)/Pci(0x0,0x0)/Pci(0x9,0x0)/Pci(0x0,0x0)/Offset(0x98,0xE7FF)

pci.txt:

00	3D	00	00 ==> Mass Storage Controller - Non-volatile memory subsystem
		Vendor	1BB1 Device 5016 Prog Interface 2
00	40	00	00 ==> Bridge Device - PCI/PCI bridge
		Vendor	10B5 Device 8747 Prog Interface 0
00	41	08	00 ==> Bridge Device - PCI/PCI bridge
		Vendor	10B5 Device 8747 Prog Interface 0
00	41	09	00 ==> Bridge Device - PCI/PCI bridge
		Vendor	10B5 Device 8747 Prog Interface 0
00	41	10	00 ==> Bridge Device - PCI/PCI bridge
		Vendor	10B5 Device 8747 Prog Interface 0
00	41	11	00 ==> Bridge Device - PCI/PCI bridge
		Vendor	10B5 Device 8747 Prog Interface 0
00	43	00	00 ==> Mass Storage Controller - KALD controller
		Vendor	1103 Device 7103 Prog Interface 0
00	5U	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

SSD7202:

drivers.txt:

	~		interestion into any one municipality interestion one und some considerably
112 000000A ? N N	0	0 IP4 Network Service Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(9FB1A1F3-3B71-4324-B39A-745CBB015FFF)
113 000000A ? N N	0	0 MTFTP4 Network Service	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(DC3641B8-2FA8-4ED3-BC1F-F9962A03454B)
114 000000A ? N N	0	0 UDP Network Service Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(6D6963AB-906D-4A65-A7CA-BD40E5D6AF2B)
115 000000A ? N N	0	0 IP6 Network Service Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(5BEDB5CC-D830-4EB2-8742-2D4CC9B54F2C)
116 000000A ? N N	0	0 UDP6 Network Service Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(D912C7BC-F098-4367-92BA-E911083C7B0E)
117 000000A ? N N	0	0 DHCP6 Protocol Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(95E3669D-34BE-4775-A651-7EA41B69D89E)
118 000000A ? N N	0	0 MTFTP6 Network Service Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(99F03B99-98D8-49DD-A8D3-3219D0FFE41E)
11B 000000A D N N	2	0 FAT File System Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(961578FE-B6B7-44C3-AF35-6BC705CD2B1F)
11C 000000A ? N N	0	0 iSCSI Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(86CDDF93-4872-4597-8AF9-A35AE4D3725F)
11D 000000A ? N N	0	0 iSCSI Driver	
11F 000000A ? N N	0	0 SCSI Bus Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(0167CCC4-D0F7-4F21-A3EF-9E64B7CDCE8B)
120 000000A ? 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=""></null>	
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	10	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 000000A ? N N	0	0 DHCP Protocol Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(94734718-0BBC-47FB-96A5-EE7A5AE6A2AD)
112 000000A ? N N	0	0 IP4 Network Service Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(9FB1A1F3-3B71-4324-B39A-745CBB015FFF)
113 000000A ? N N	0	0 MTFTP4 Network Service	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(DC364188-2FA8-4ED3-BC1F-F9962A03454B)
114 000000A ? N N	0	0 UDP Network Service Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(6D6963AB-906D-4A65-A7CA-BD40E5D6AF2B)
115 000000A ? N N	0	0 IP6 Network Service Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(5BEDB5CC-D830-4EB2-8742-2D4CC9B54F2C)
116 000000A ? 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 000000A ? N N	0	0 MTFTP6 Network Service Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(99F03B99-98D8-49DD-A8D3-3219D0FFE41E)
118 000000A D N N	2	0 FAT File System Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(961578FE-B6B7-44C3-AF35-6BC705CD2B1F)
11C 000000A ? N N	0	0 iSCSI Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(86CDDF93-4872-4597-8AF9-A35AE4D3725F)
11D 000000A ? 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 000000A ? 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-4894AF1A43DA)
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=""></null>	
2EE 00000011 B N N	1	2 HighPoint NVMe RAID driver v1.1.12	PciRoot(0x2)/Pci(0x0,0x0)/Aci(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	50	05	04 ==> Race System Peripherals - DTC

- 00 5D 05 04 ==> Base System Peripherals PIC Vendor 8086 Device 2036 Prog Interface 20 00 5D € 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	A0000000	? N N	0	0 DHCP Protocol Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(94734718-0BBC-47FB-96A5-EE7A5AE6A2AD)
112	A0000000	? N N	0	0 IP4 Network Service Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(9FB1A1F3-3B71-4324-B39A-745CBB015FFF)
113	A0000000	? N N	0	0 MTFTP4 Network Service	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(DC364188-2FA8-4ED3-BC1F-F9962A034548)
114	A0000000	? 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	A0000000	? N N	0	0 UDP6 Network Service Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(D912C7BC-F098-4367-92BA-E911083C7B0E)
117	A0000000	? N N	0	0 DHCP6 Protocol Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(95E3669D-348E-4775-A651-7EA41B69D89E)
118	A0000000	? N N	0	0 MTFTP6 Network Service Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(99F03B99-98D8-49DD-A8D3-3219D0FFE41E)
118	0000000A	DNN	2	0 FAT File System Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(961578FE-B6B7-44C3-AF35-6BC705CD2B1F)
110	A0000000	? N N	0	0 iSCSI Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(86CDDF93-4872-4597-8AF9-A35AE4D3725F)
110	A0000000	? N N	0	0 iSCSI Driver	
11F	A0000000	? N N	0	0 SCSI Bus Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(0167CCC4-D0F7-4F21-A3EF-9E6487CDCE88)
120	A0000000	? 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	?NY	0	0 Intel(R) DCPMM 1.0.0.3474 HII Drive	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(5038E34E-0774-47A0-A5EF-4894AF1A43DA)
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	BNN	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=""></null>	
2EF	00000011	BNN	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)
Pc	i(0x0,0x0).	/Offset	(0x9	B,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:

77.4	MODODODO	1	-	-	-	- ODL MERMOLY DELATCE DI TAGI	ouptoxe
115	0000000A	?	-	-	-	- IP6 Network Service Driver	Ip6Dxe
116	0000000A	?	-	-	-	- UDP6 Network Service Driver	Udp6Dxe
117	0000000A	?	-	Ξ.	2	- DHCP6 Protocol Driver	Dhcp6Dxe
118	0000000A	?	-		-	- MTFTP6 Network Service Driver	Mtftp6Dxe
118	0000000A	D	-		2	- FAT File System Driver	Fat
110	0000000A	?	-	2	2	- iSCSI Driver	IScsiDxe
11D	0000000A	?	-	н.	2	- iSCSI Driver	IScsiDxe
11F	0000000A	?	-	-		- SCSI Bus Driver	ScsiBus
120	0000000A	?	-	-		- Scsi Disk Driver	ScsiDisk
124	00010D92	?	-	Х	-	- Intel(R) DCPMM 1.0.0.3474 Driver	FvFile(5038F34E-0774-47A0-A5EF-4B94AF1A43DA)
125	00010D92	?	-	X	\sim	- Intel(R) DCPMM 1.0.0.3474 HII Drive	FvFile(5038E34E-0774-47A0-A5EF-4B94AF1A43DA)
182	00000010	?	-	2	-	- AMI CSM Block I/O Driver	CsmBlockIo
183	00000024	В	-	-	1	1 BIOS[INT10] Video Driver	CsmVideo
184	00000010	?	-	-	-	- <null string=""></null>	
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	ØC	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

SSD7580:

drivers:

SSD7000 系列 NVMe 控制器 UEFI ROM 更新指南 (PC)

197 000000A D N N 2	0 HttpDxe	
198 0000000 D N N 3	0 DNS Network Service Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(B219E140-DFFC-11E3-B956-0022681E6906)
199 0000000 D N N 2	0 DNS Network Service Driver	
19C 0000000A D N N 3	0 DHCP Protocol Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(94734718-0BBC-47FB-96A5-EE7A5AE6A2AD)
19D 0000000A B N N 7	34 IP4 Network Service Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(9FB1A1F3-3B71-4324-B39A-745CBB015FFF)
19E 0000000A B N N 4	4 MTFTP4 Network Service	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(DC3641B8-2FA8-4ED3-BC1F-F9962A03454B)
19F 0000000A B N N 20	34 UDP Network Service Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(6D6963AB-906D-4A65-A7CA-BD40E5D6AF2B)
1A0 0000000A B N N 4	24 IP6 Network Service Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(5BEDB5CC-D830-4EB2-8742-2D4CC9B54F2C)
1A1 0000000A B N N 14	4 24 UDP6 Network Service Drive	r Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(D912C7BC-F098-4367-92BA-E911083C7B0E)
1A2 0000000A B N N 2	2 DHCP6 Protocol Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(95E3669D-34BE-4775-A651-7EA41B69D89E)
1A3 0000000A B N N 2	2 MTFTP6 Network Service Driv	er Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(99F03B99-98D8-49DD-A8D3-3219D0FFE41E)
1A6 0000000A D N N 2	2 0 FAT File System Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(961578FE-B6B7-44C3-AF35-6BC705CD2B1F)
1A7 0000000A D N N 2	0 iSCSI Driver Fv	(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(86CDDF93-4872-4597-8AF9-A35AE4D3725F)
1A8 0000000A D N N 2	0 iSCSI Driver	
1AA 0000000A ? N N 0	0 SCSI Bus Driver	v(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(0167CCC4-D0F7-4F21-A3EF-9E64B7CDCE8B)
1AB 0000000A ? N N 0	0 Scsi Disk Driver F	v(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(0A66E322-3740-4CCE-AD62-BD172CECCA35)
1AC 0000000A D N N	I 0 TcpsDxe Fv	r(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(9FE6C519-86DA-49DC-8725-C2594628AD46)
1AE 00000001 D N N 1	0 SMCI Redfish HI USB CDC-RN	IDIS Drive Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(E71044B4-0BD7-4448-9133-BB323D5BE85B)
1AF 00000001 B N N 1	1 SMCI USB UNDI Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(C0C2AB85-93D8-44C5-84CB-28B62A52E197)
1B9 00000010 ? N N 0	0 AMI CSM Block I/O Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(25ACF158-DD61-4E64-9A49-55851E9A26C7)
1BA 00000024 ? N N 0	0 BIOS[INT10] Video Driver	Fv(5C60F367-A505-419A-859E-2A4FF6CA6FE5)/FvFile(29CF55F8-B675-4F5D-8F2F-B87A3ECFD063)
1BB 00000010 ? N N 0	0 <null string=""></null>	
1E2 00011001 B N N 1	1 ASPEED Graphics Driver	PciRoot(0x1)/Pci(0x3,0x4)/Pci(0x0,0x0)/Pci(0x0,0x0)/Offset(0x80E0,0x113FF)
235 00140E1B B Y Y 1	1 Broadcom Gigabit Ethernet Dri	ver PciRoot(0x1)/Pci(0x3,0x6)/Pci(0x0,0x0)/Offset(0xF834,0x2B7FF)
236 00140E1B B Y Y 1	1 Broadcom Gigabit Ethernet Dri	ver PciRoot(0x1)/Pci(0x3,0x6)/Pci(0x0,0x1)/Offset(0xF834,0x2B7FF)
237 00000011 ? N N 0	0 HighPoint NVMe RAID driver v	1.1.11 PciRoot(0x2)/Pci(0x3,0x1)/Pci(0x0,0x0)/Pci(0xC,0x0)/Pci(0x0,0x0)/Pci(0x14,0x0)/Pci(0x0,0x0)/Offset(0x98,0xE7FF)

pci.txt:

00	8A	0C	00 ==> Bridge Device - PCI/PCI bridge
	Ve	endor	1000 Device C010 Prog Interface 0
00	8F	00	00 ==> Bridge Device - PCI/PCI bridge
	Ve	endor	1000 Device C010 Prog Interface 0
00	90	14	00 ==> Bridge Device - PCI/PCI bridge
	Ve	endor	1000 Device C010 Prog Interface 0
00	90	15	00 ==> Bridge Device - PCI/PCI bridge
	Ve	endor	1000 Device C010 Prog Interface 0
00	91	00	00 ==> Mass Storage Controller - RAID controller
	Ve	endor	1103 Device 7580 Prog Interface 0
00	93	00	00 ==> Mass Storage Controller - Other mass storage controller
	Ve	endor	1000 Device C010 Prog Interface 0
00	94	00	00 ==> Non-Essential Instrumentation - Non-Essential Instrumentation Function
	Ve	endor	1022 Device 148A Prog Interface 0
00	94	00	02 ==> Encryption/Decryption Controllers - Other Encrypt/Decrypt
	Ve	endor	1022 Device 1498 Prog Interface 0
00	95	00	00 ==> Non-Essential Instrumentation - Non-Essential Instrumentation Function
	Ve	endor	1022 Device 1485 Prog Interface 0

 Vendor 1022 Device 1405 rog interface 0
 95 00 02 ==> Encryption/Decryption Controllers - Other Encrypt/Decrypt Vendor 1022 Device 1498 Prog Interface 0

如果您未能更新SSD7000系列NVMe控制器UEFIROM,请使用我们的在线支持门户提 交信息,尽可能详细地包含对问题的描述,并上传driver.txt&pci.txt信息.