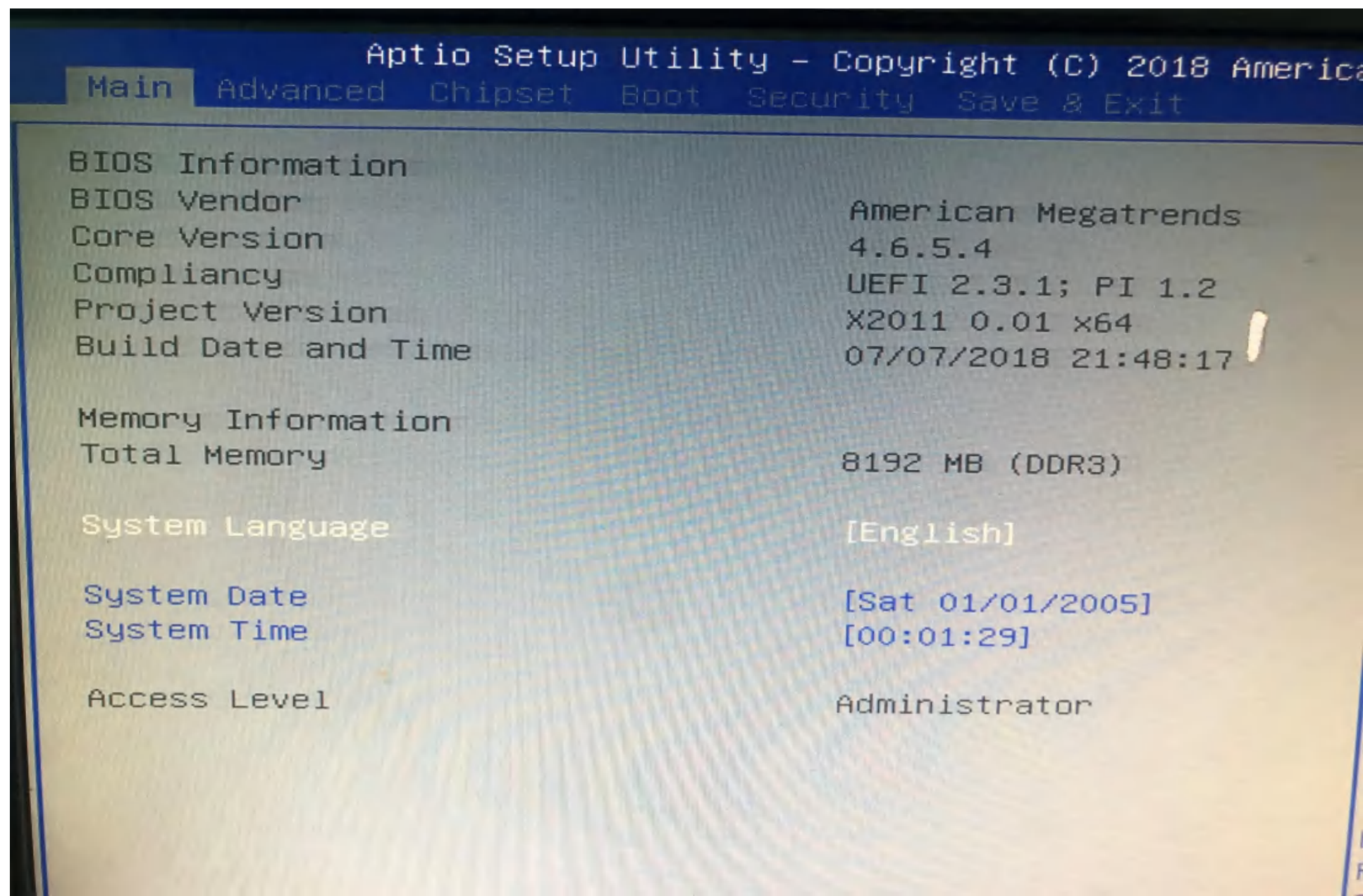
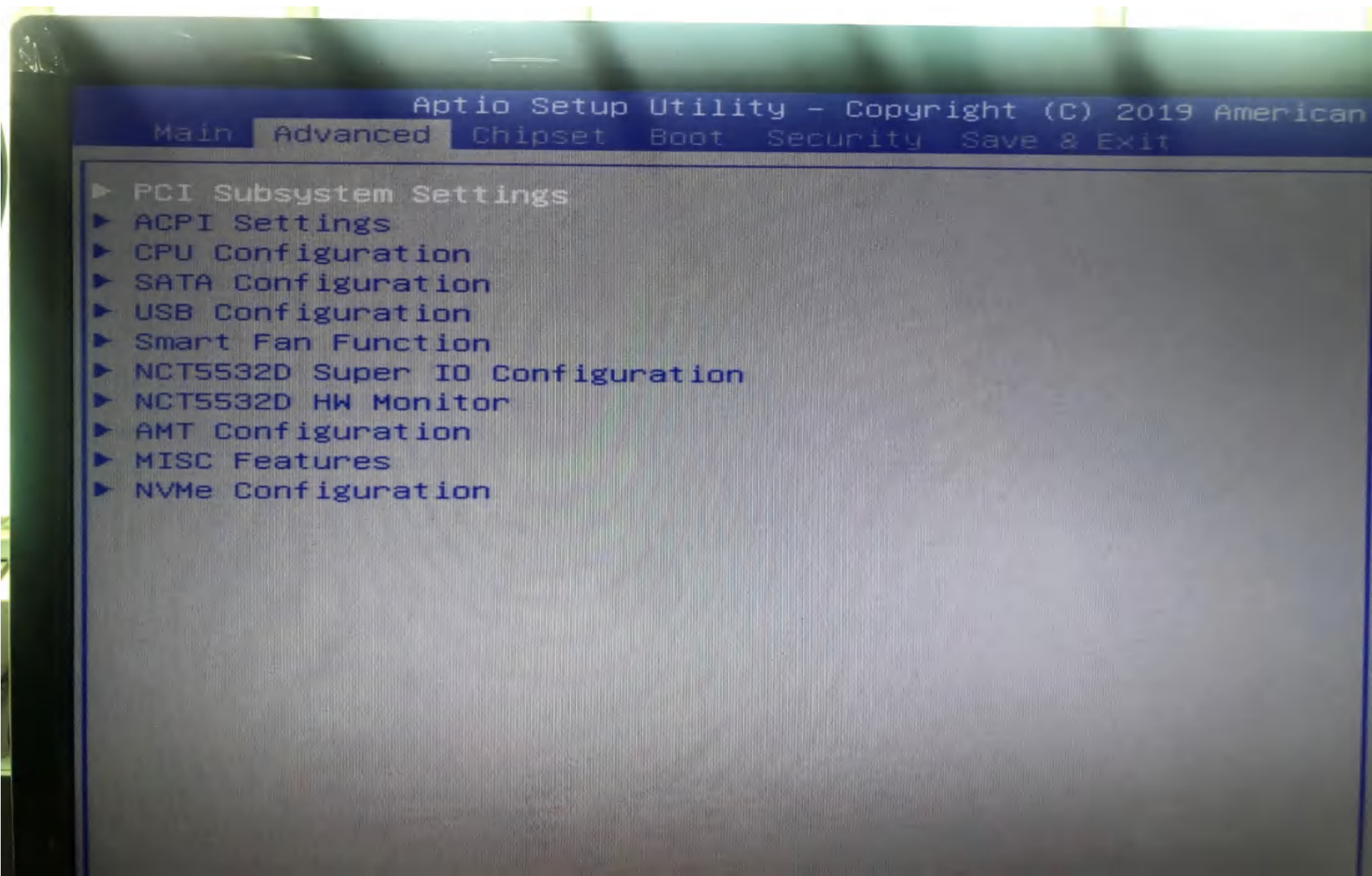


日期

X79-4D



ABOVE 4G DECODING 计算卡



Advanced

PCI Bus Driver Version

V 2.05.02

PCI 64bit Resources Handling
Above 4G Decoding

[Disabled]

Enables
capable
in Above
(Only if
bit PCI D

PCI Common Settings

PCI Latency Timer

[32 PCI Bus Clocks]

VGA Palette Snoop

[Disabled]

PERR# Generation

[Disabled]

SERR# Generation

Above 4G Decoding

Disabled

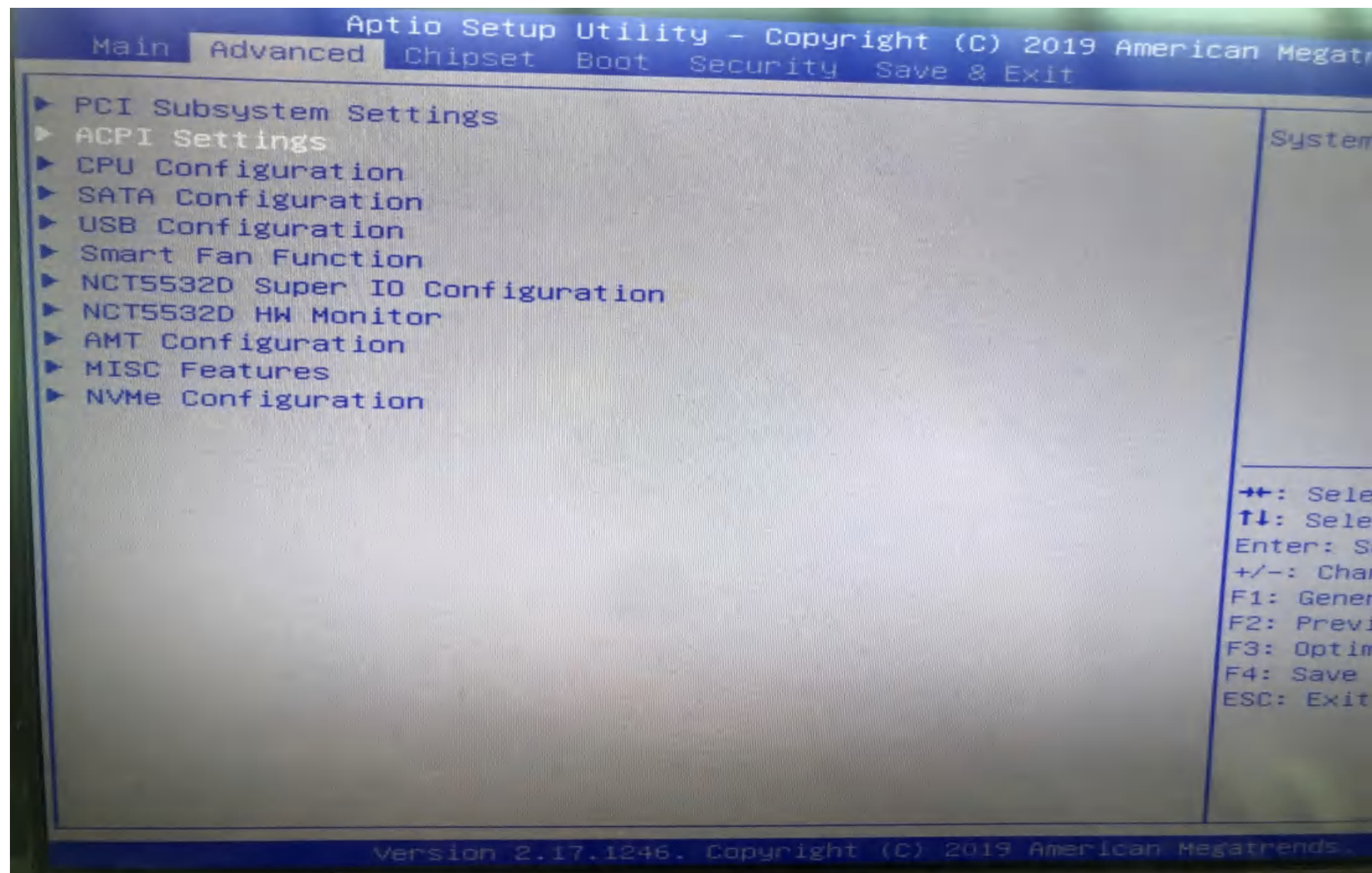
Enabled

► PCI Express Settings

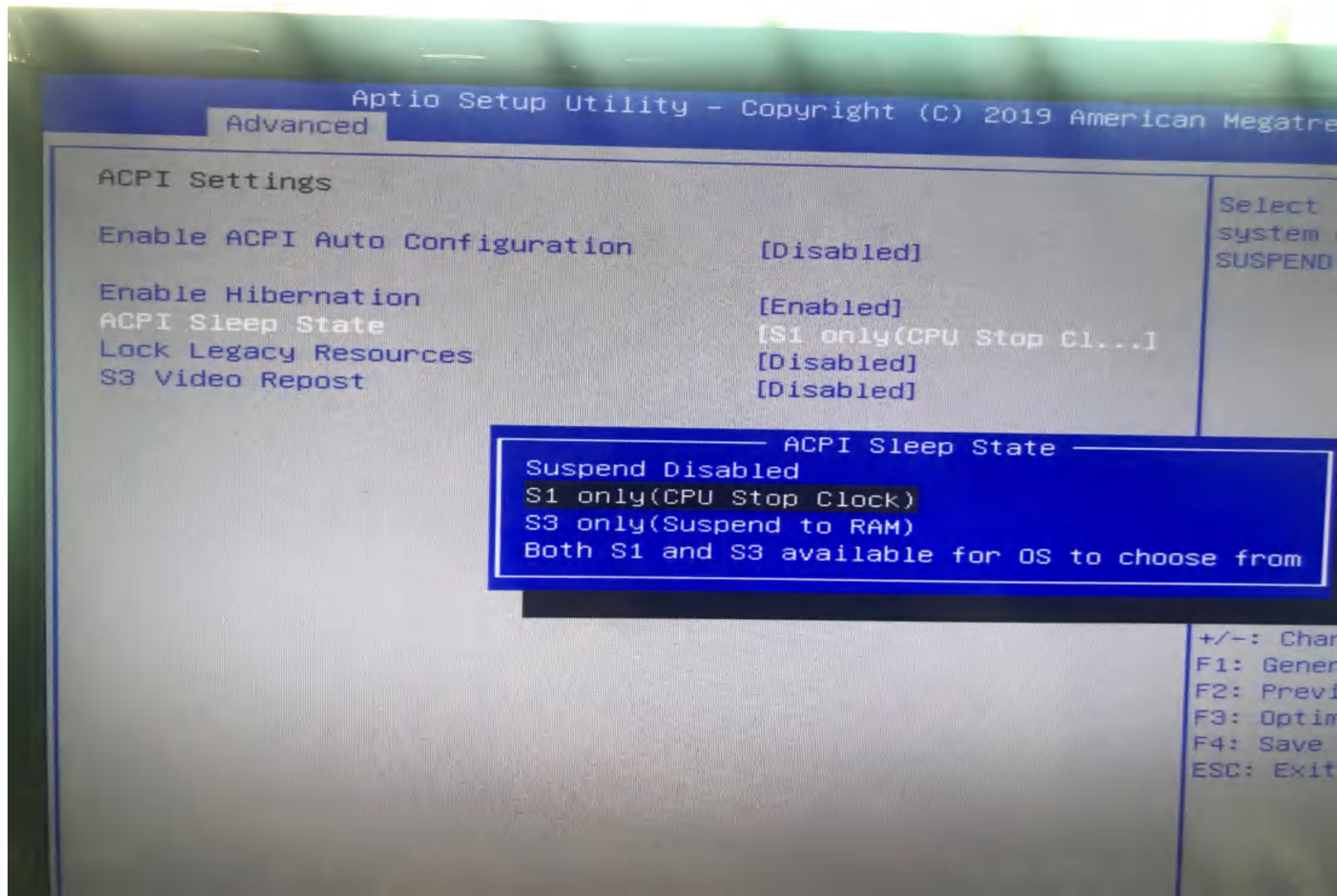
► PCI Express GEN 2 Settings

←→: Select
↑↓: Select
Enter: Sele
+/-: Change
F1: General
F2: Previous
F3: Optimize
F4: Save & E
ESC: Exit

睡眠



超线程， 关闭核心



Advanced

CPU Configuration

► Socket 0 CPU Information

Socket 1

Not Present

CPU Speed

2700 MHz

64-bit

Supported

Hyper-threading 超线程

[Enabled]

Active Processor Cores 关闭核心

[All]

Limit CPUID Maximum

Execute Disable Bit

Hardware Prefetcher

Adjacent Cache Line Prefetch

DCU Streamer Prefetcher

DCU IP Prefetcher

[Enabled]

Intel Virtualization Technology

[Enabled]

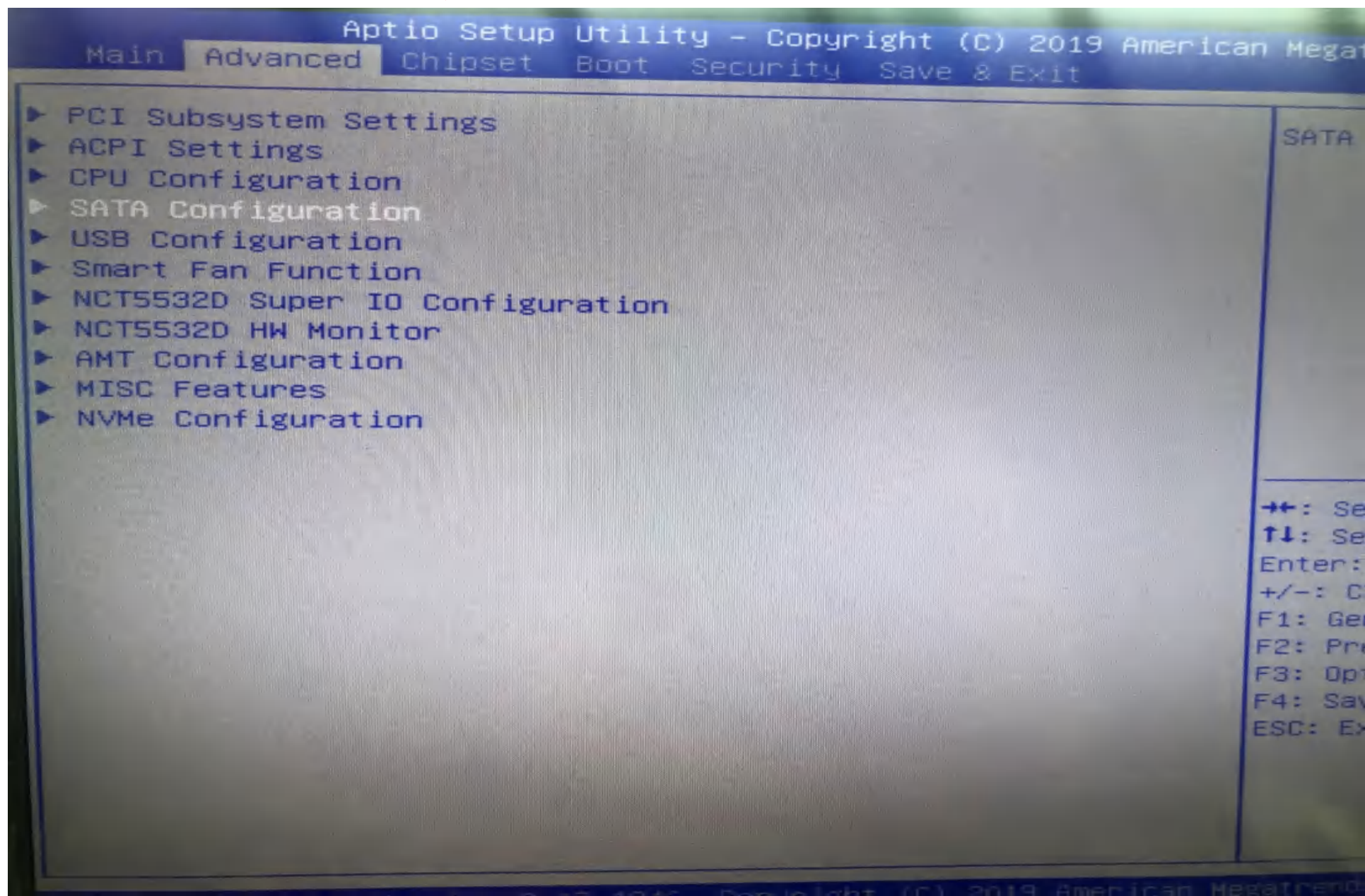
PPIN Support

[Disabled]

► CPU Power Management Configuration

Ena
Lin
Hyp
and
not
Hyp
Whe
per++:
↑↓:
Ent
+/-
F1:
F2:
F3:
F4:
ESC:

硬盘热拔插, RAID



SATA Configuration

SATA Port0	Not Present
SATA Port1	Not Present
SATA Port2	Not Present
SATA Port3	Not Present
SATA Port4	Not Present
SATA Port5	Not Present

SATA Mode

[AHCI Mode]

Aggressive Link Power Management

Port 0 Hot Plug

— Port 0 Hot Plug —

Disabled

Enabled

Port 1 Hot Plug

Port 2 Hot Plug

Port 3 Hot Plug

Port 4 Hot Plug

Port 5 Hot Plug

[Disabled]

[Disabled]

[Disabled]

External SATA Port 0

External SATA Port 1

External SATA Port 2

External SATA Port 3

External SATA Port 4

External SATA Port 5

[Disabled]

[Disabled]

[Disabled]

[Disabled]

[Disabled]

[Disabled]

SATA P

←→: Sel

↑↓: Sel

Enter:

+/-: Ch

F1: Gen

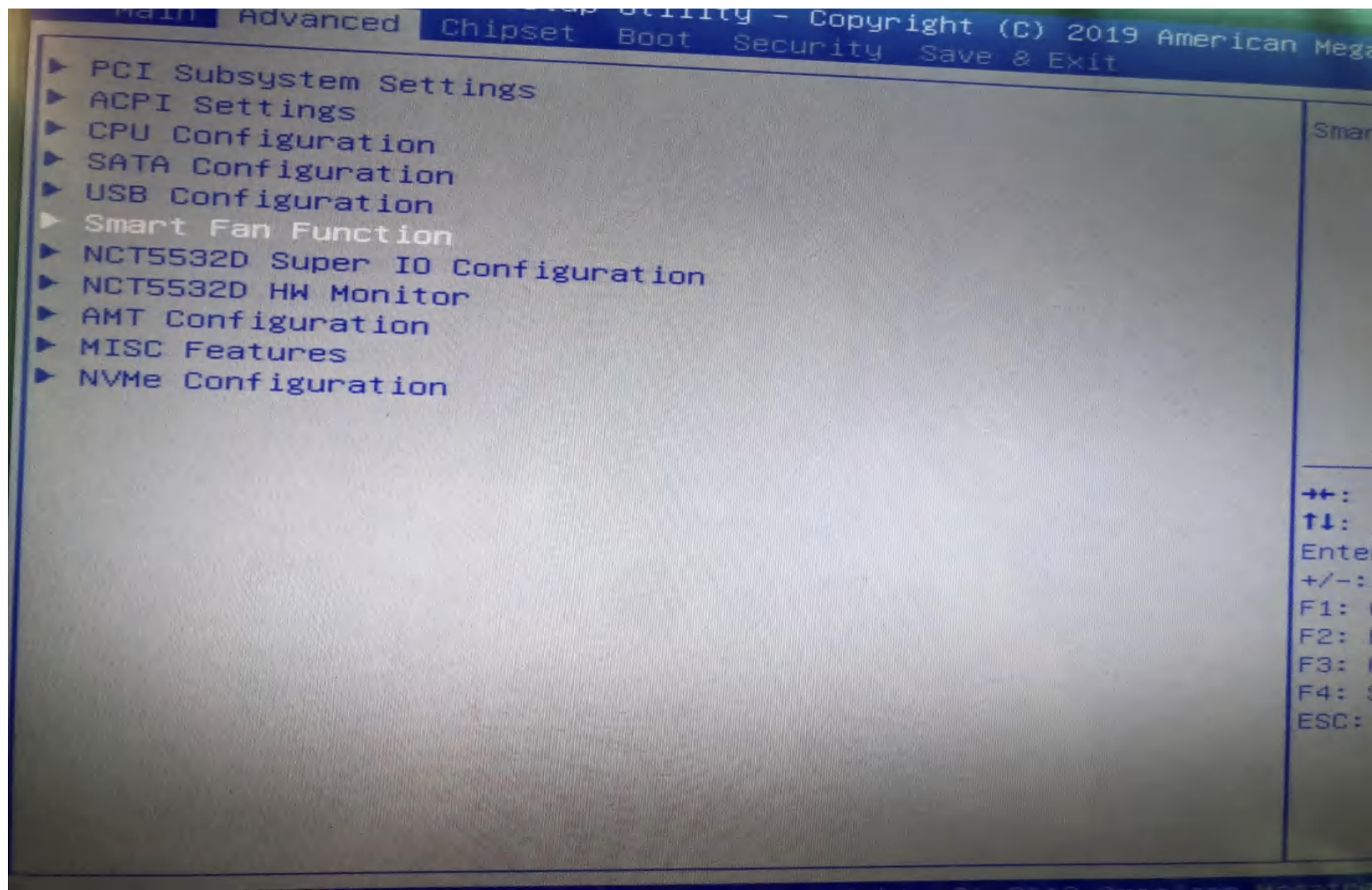
F2: Pre

F3: Opt

F4: Sav

ESC: Ex

温控



Smart Fan 1 Mode

[Automatic Mode]

Smart Fan Temperature 1 30

Smart Fan Temperature 2 30

Smart Fan Temperature 3 45

Smart Fan Temperature 4 55

Smart Fan Critical Temperature 70

Smart Fan PWM 1 0

Smart Fan PWM 2 70

Smart Fan PWM 3 100

Smart Fan PWM 4 200

Fan work mode with critical [Full Mode]

Temperature Tolerance 3

Smart Fan 2 Mode [Automatic Mode]

Smart Fan Temperature 1 30

Smart Fan Temperature 2 30

Smart Fan Temperature 3 45

Smart Fan Temperature 4 55

Smart Fan Critical Temperature 70

Smart Fan PWM 1 0

Smart Fan PWM 2 70

Smart Fan PWM 3 100

Smart Fan PWM 4 200

Fan work mode with critical [Full Mode]

Temperature Tolerance 3

Smart

←→: S

↑↓: S

Enter

+/-: I

F1: G

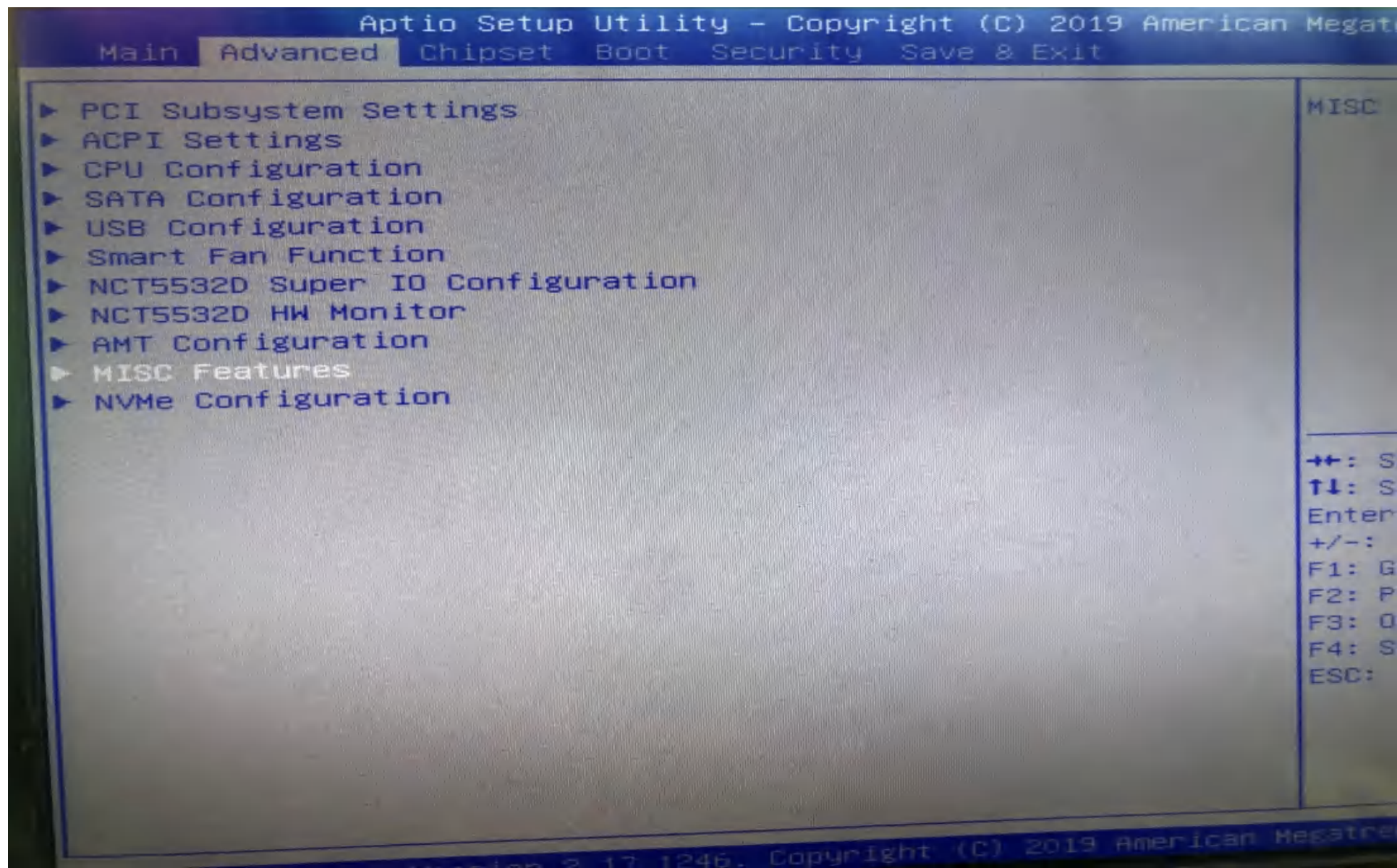
F2: P

F3: O

F4: S

ESC: I

AC启动, 板载声卡 板载网卡



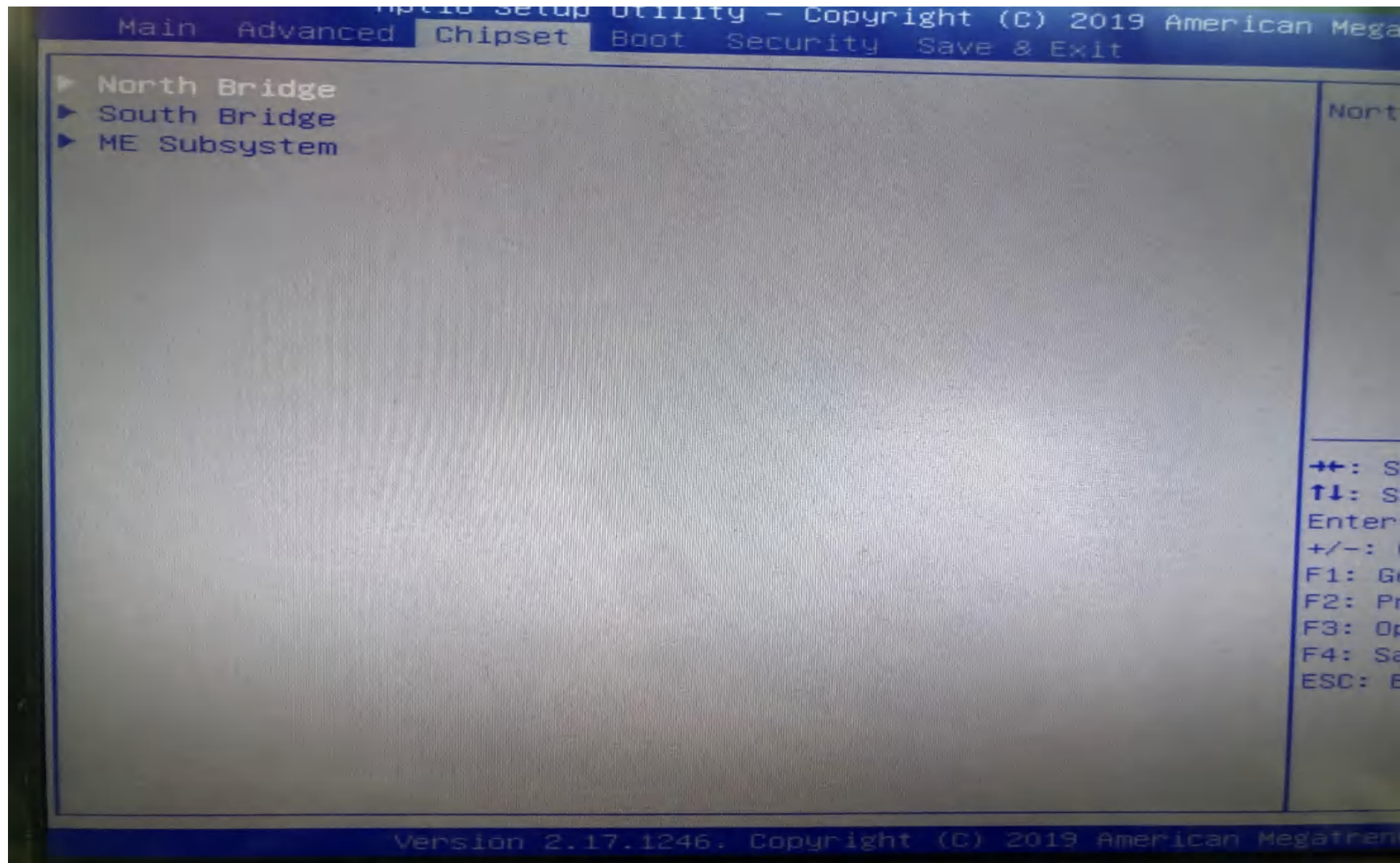
MISC Feature Settings

Onboard Lan	[Auto]
Azalia HD Audio	[Enabled]
Power Loss	[Power Off]

Enable
Lan.

←→: Se
↑↓: Se
Enter:
+/-: C
F1: Ge
F2: Pr
F3: Op
F4: Sa
ESC: E

Vt-d, PCIE 拆分



► IOH Configuration

► QPI Configuration

Compatibility RID [Enabled]

Memory Configuration

Total Memory 8192 MB (DDR3)
Current Memory Mode Independent
Current Memory Speed 1333 MHz
Mirroring Not Possible
Sparing Not Possible
Memory Mode [Independent]
DRAM RAPL BWLIMIT [1]
Perfmon and DFX devices [HIDE]
DRAM RAPL MODE [DRAM RAPL MODE1]
Enforce POR [Auto]
Pdg Length [Short]
DDR Speed [Auto]
Channel Interleaving [Auto]
Rank Interleaving [Auto]
Patrol Scrub [Enabled]
Demand Scrub [Enabled]

IOH C

→+: Se
↑↓: Se
Enter:
+/-: C
F1: Ge
F2: Pr
F3: Op
F4: Sa
ESC: E

► Intel(R) VT for Directed I/O Configuration

Vt-d

Intel(R) I/OAT	[Disabled]
DCA Support	[Enabled]
VGA Priority	[Offboard]
TargetVGA	Vga From CPU 0
Gen3 Equalization WA's	[Enabled]
Gen3 Equalization Fail WA	[Disabled]
Gen3 Equalization Phase 2/3 WA	[Disabled]
Gen3 Equalization Redoing WA	[Disabled]
IOH Resource Selection Type	[Auto]
No Snoop Optimization	[VC1]
MMIOH Size	[64G]
MMCFG BASE	[0x80000000]

IOH 0 PCIe port Bifurcation Control

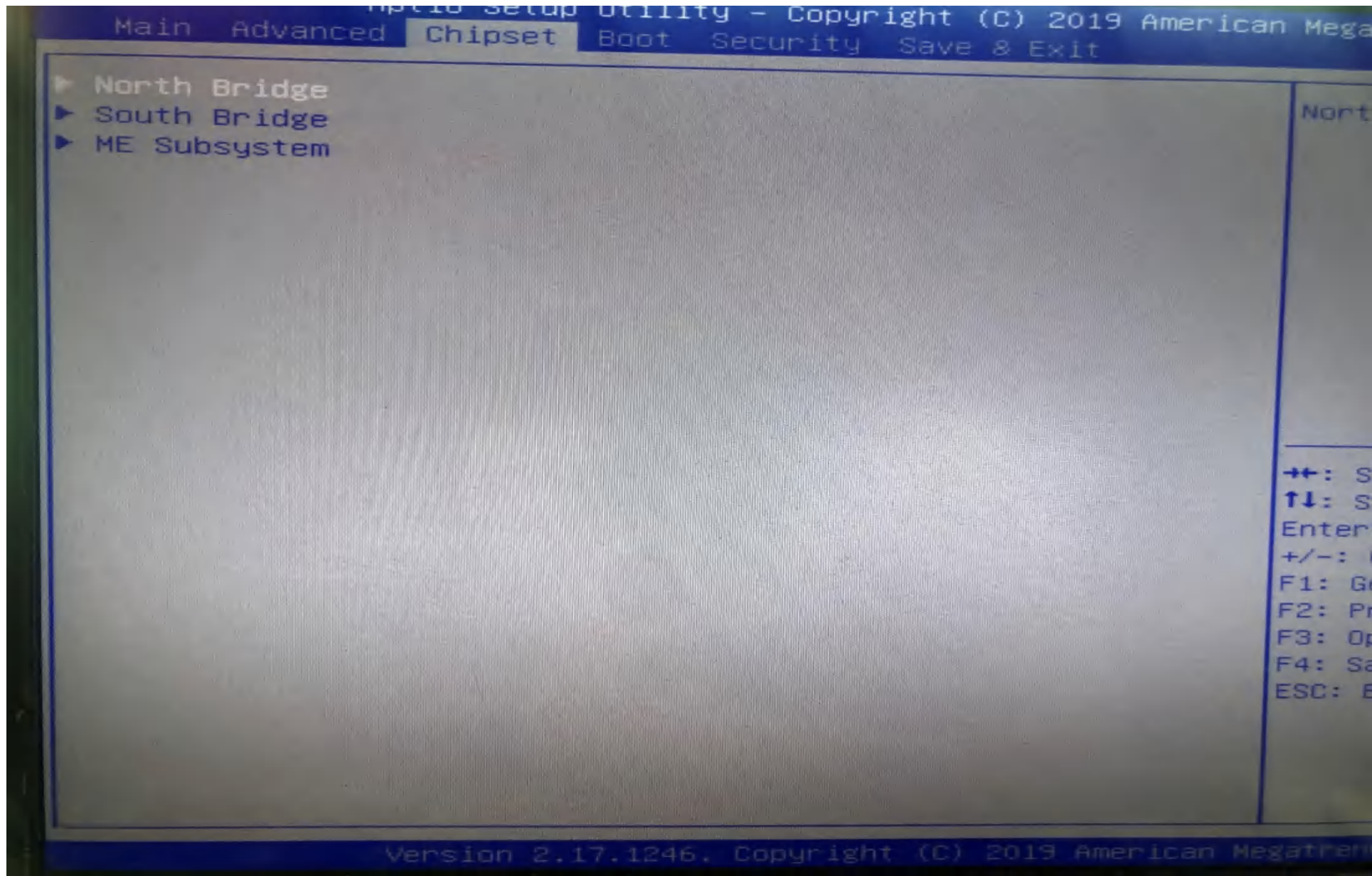
IOU1 - PCIe Port	[x4x4]
PORT 1A Link Speed	[GEN3]
PORT 1B Link Speed	[GEN3]
IOU2 - PCIe Port	[x16]
PORT 2A Link Speed	[GEN3]
IOU3 - PCIe Port	[x16]

PCIE 拆分

Intel
Conf

←→: Se
↑↓: Se
Enter:
+/-: C
F1: Ge
F2: Pr
F3: Op
F4: Sa
ESC: E

内存频率



► IOH Configuration

► QPI Configuration

Compatibility RID [Enabled]

Memory Configuration

Total Memory

Current Memory Mode

Current Memory Speed

Mirroring

Sparing

Memory Mode

DRAM RAPL BWLIMIT

Perfmon and DFX devices

DRAM RAPL MODE

Enforce PDR

Pdg Length

DDR Speed

Channel Interleaving

Rank Interleaving

Patrol Scrub

Demand Scrub

— DDR Speed —

Auto

Force DDR3 800

Force DDR3 1066

Force DDR3 1333

Force DDR3 1600

Force DDR3 1866

[H

[DRAM RAPL MODE1]

[Auto]

[Short]

[Auto]

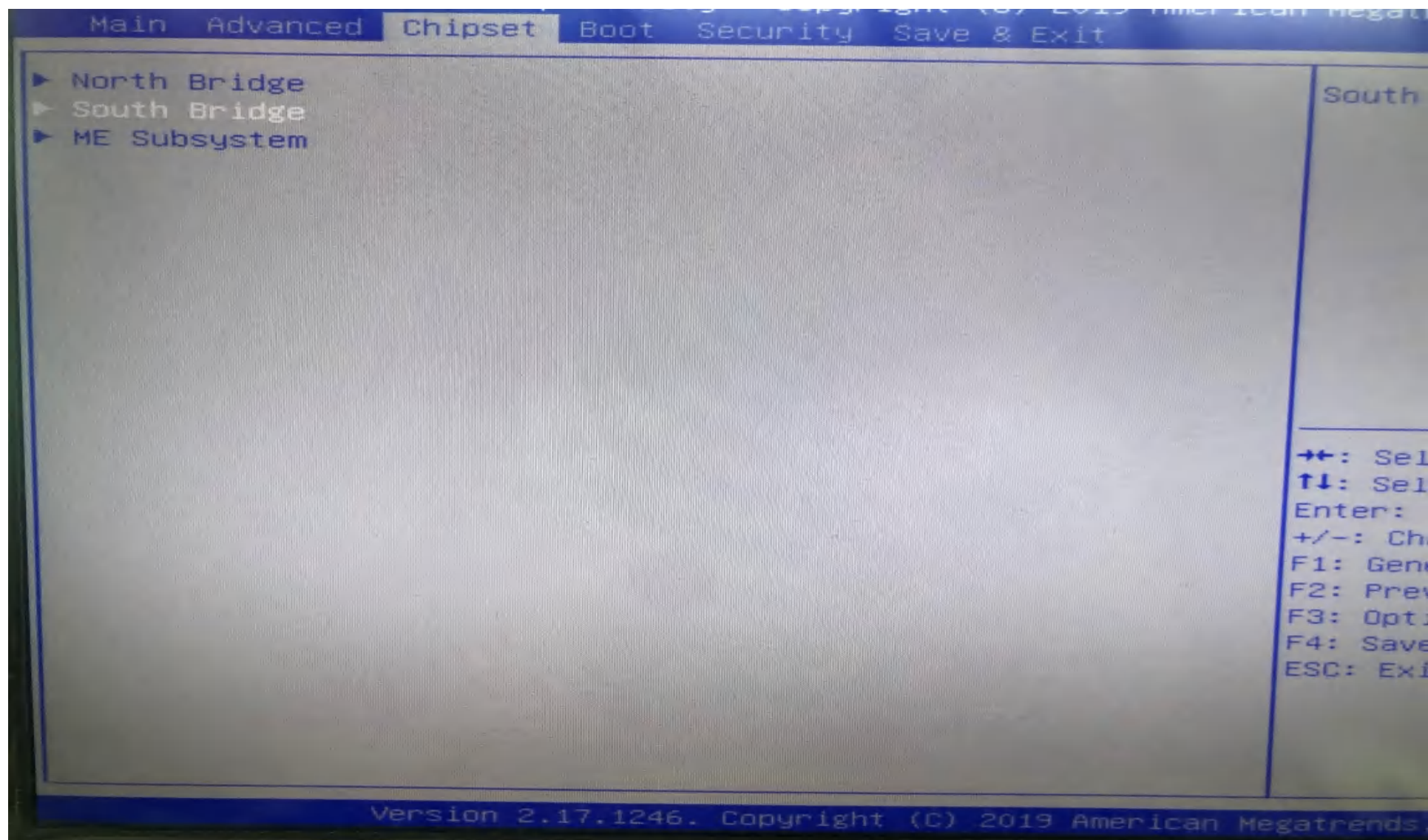
[Auto]

[Auto]

[Enabled]

[Enabled]

网络唤醒



PCH Information

Name

Patsburg

Stepping

06 (C1 Stepping)

SB Chipset Configuration

PCH Compatibility RID

[Disabled]

SMBus Controller

[Enabled]

SW SMI Timer

[Auto]

GbE Controller

[Enabled]

Wake on Lan from S5

[Enabled]

USB WakeOnDev insertion

[Disabled]

Restore AC Power Loss

[Power Off]

SLP_S4 Assertion Stretch Enable

[Enabled]

SLP_S4 Assertion Width

[4-5 Seconds]

Deep Sx

[Disabled]

Onboard SATA RAID Oprom/Driver

[Enabled]

Audio Configuration

Azalia HD Audio

[Enabled]

Azalia internal HDMI codec

[Disabled]

High Precision Event Timer Configuration

High Precision Timer

[Enabled]

▲ Enabl
PME i

→←: Sel

↑↓: Sel

Enter:

+/-: Ch

F1: Gen

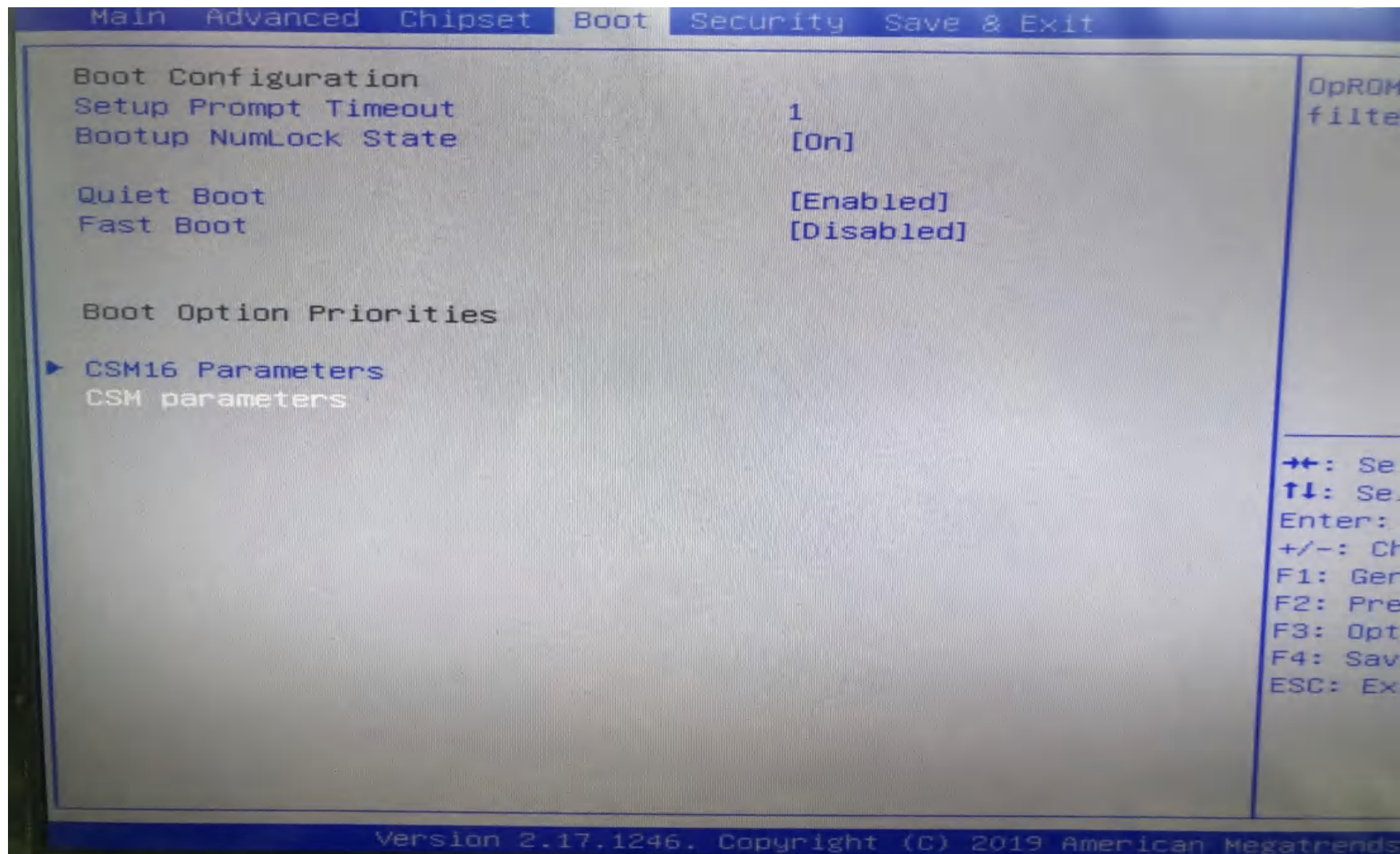
F2: Pre

F3: Opt

F4: Save

ESC: Exi

网卡启动, UEFI



Boot

Launch CSM	[Enabled]
Boot option filter	[UEFI and Legacy]
Launch PXE OpROM policy	[Do not launch]
Launch Storage OpROM policy	[Legacy only]
Launch Video OpROM policy	[Legacy only]
Other PCI device ROM priority	[Legacy OpROM]

Control
and Le

Launch PXE OpROM policy
Do not launch
Legacy only

: Sel
: Sel

Enter: S
+/-: Cha
F1: Gene
F2: Prev
F3: Opti
F4: Save
ESC: Exi