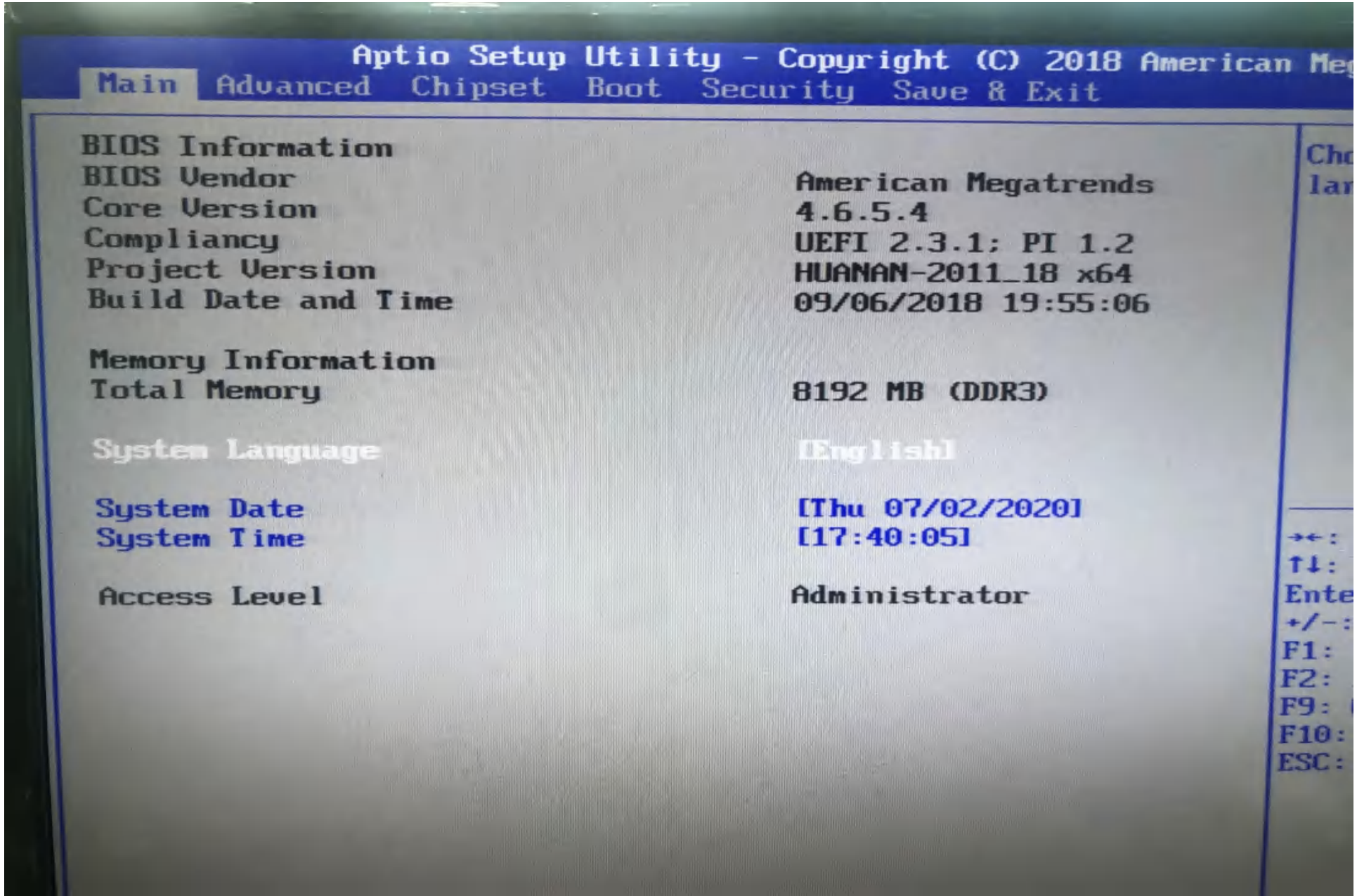
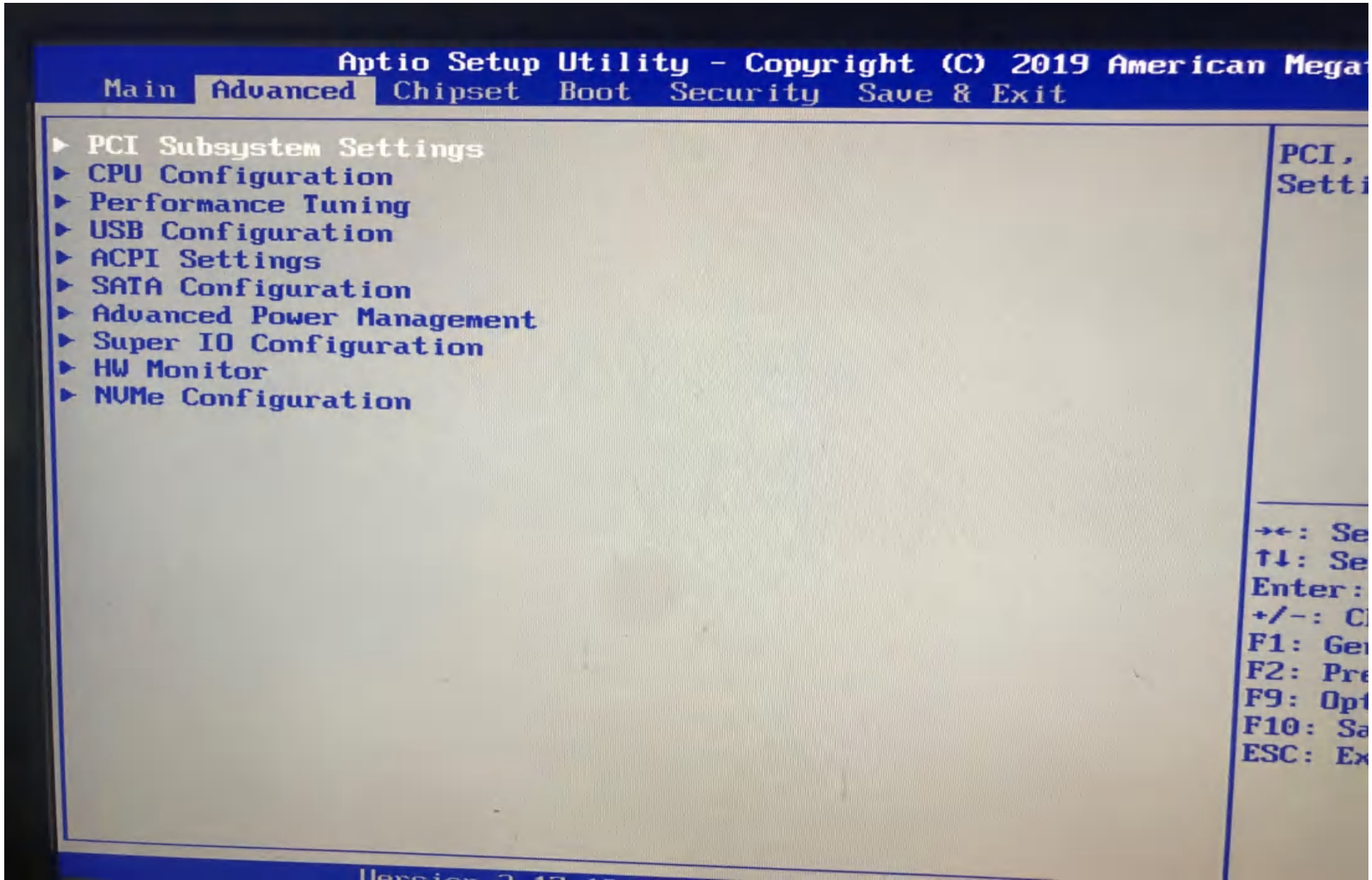
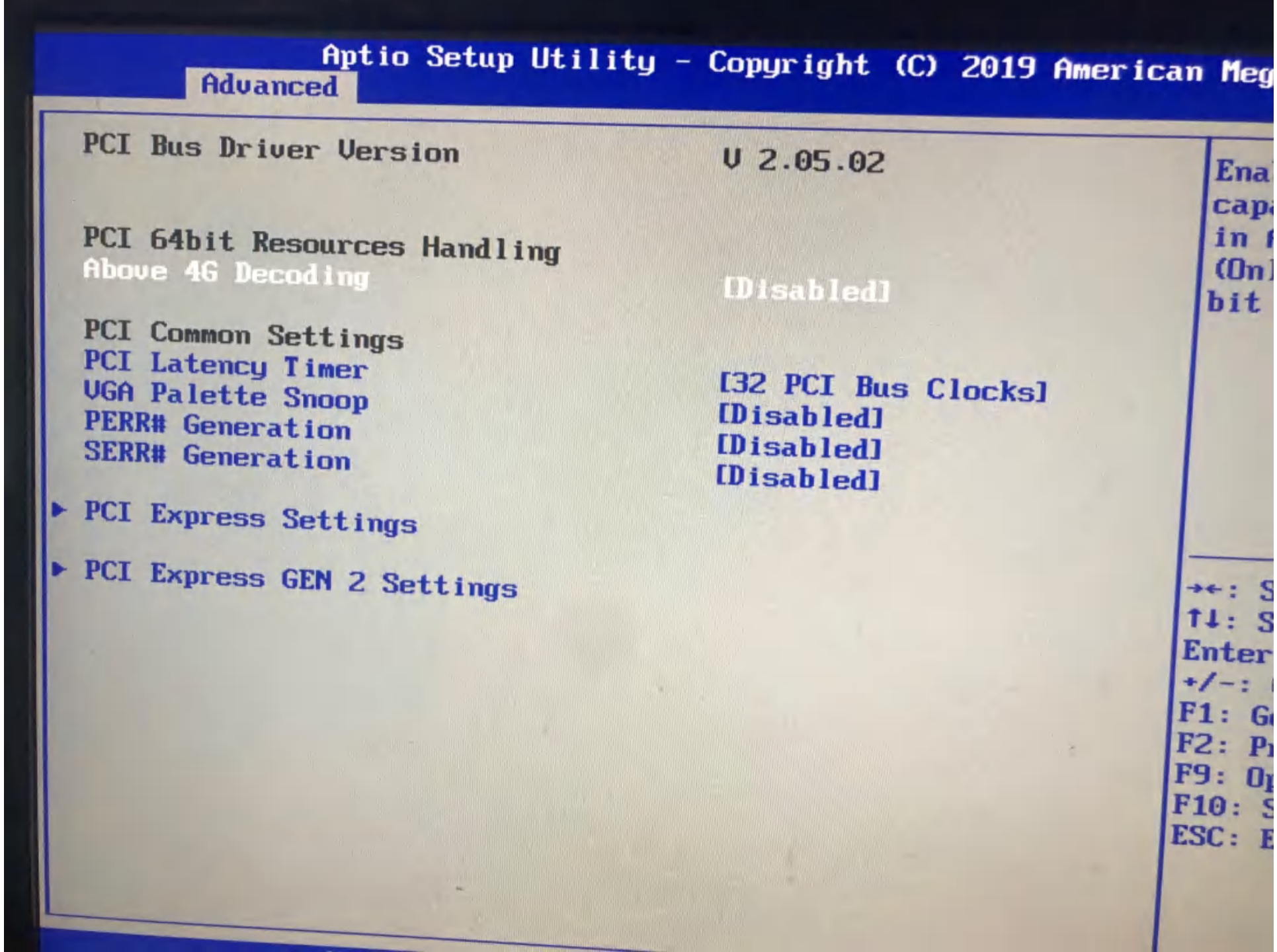
X79 PRO

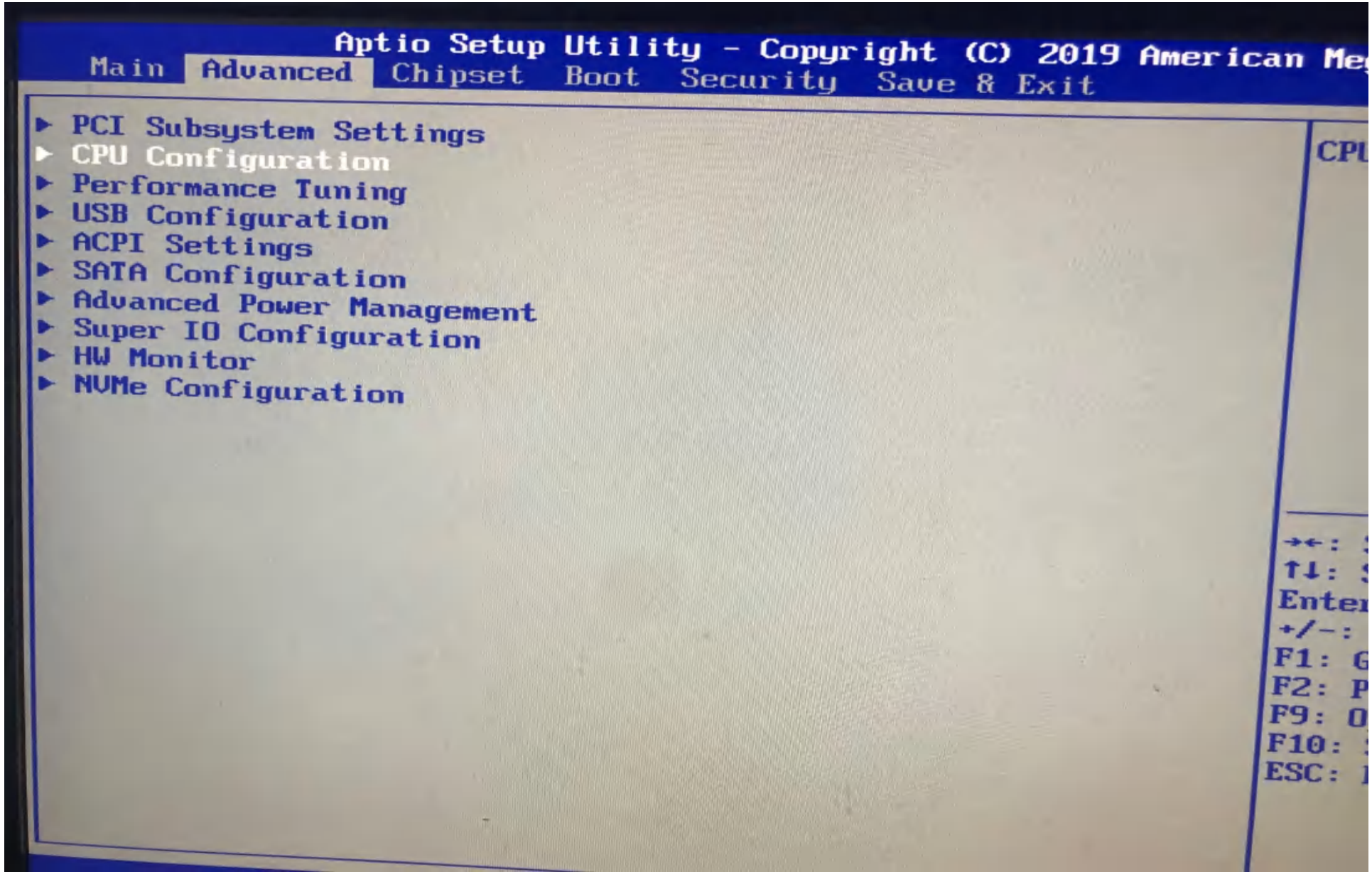

Aptio Setup Utility - Copyright (C) 2018 American Meg
Main Advanced Chipset Boot Security Save & Exit
BIOS Information
BIOS Vendor
American Megatrends
Core Version
4.6.5.4
Compliancy
UEFI 2.3.1; PI 1.2
Project Version
HUANAN-2011_18 x64
Build Date and Time
09/06/2018 19:55:06
Memory Information
Total Memory
8192 MB (DDR3)
System Language
[English]
System Date
[Thu 07/02/2020]
System Time
[17:40:05]
Access Level
Administrator
Cho
lar
→←:
↑↓:
Ente
+/-:
F1:
F2:
F9:
F10:
ESC:

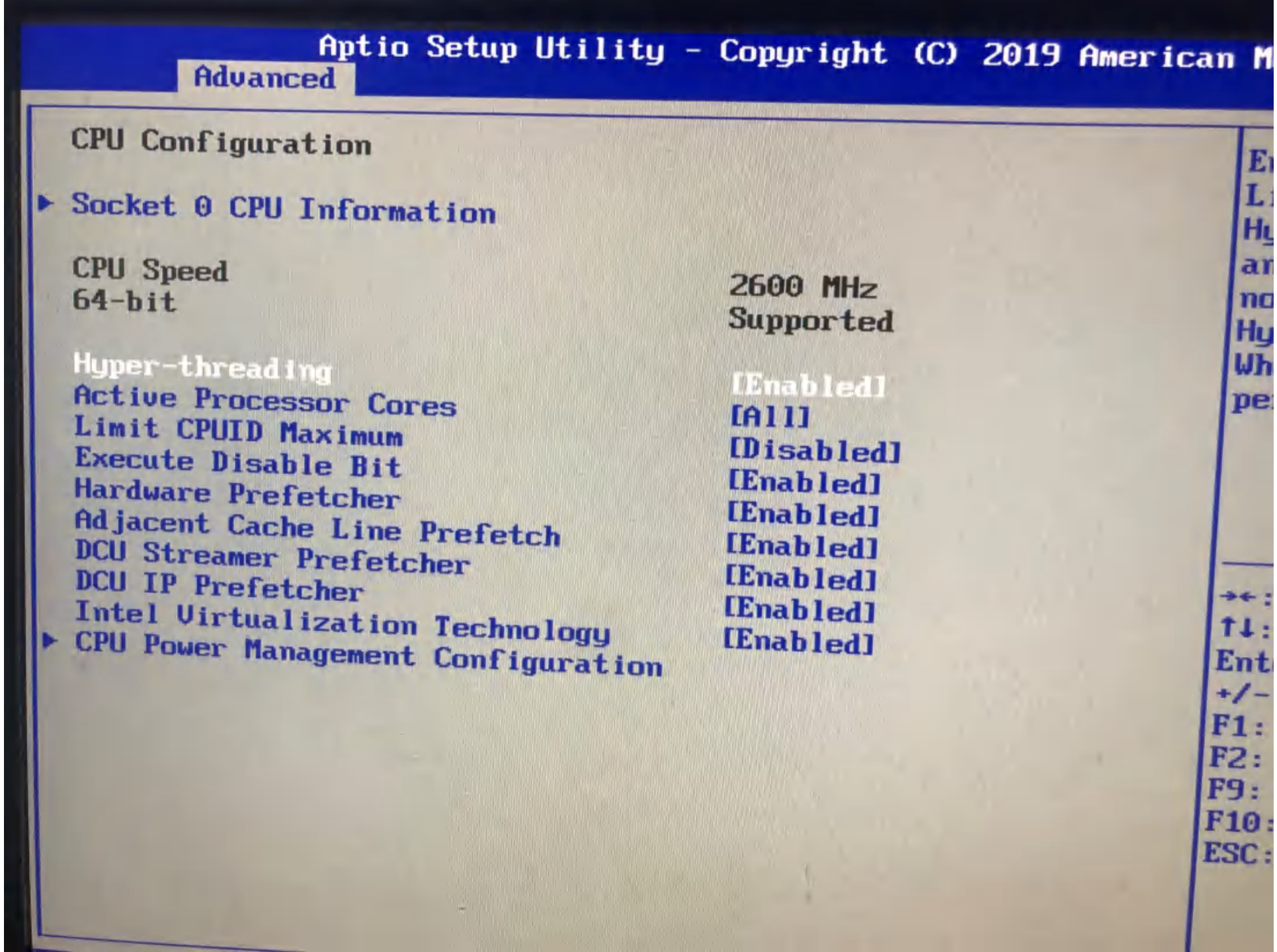
Above 4G Decoding



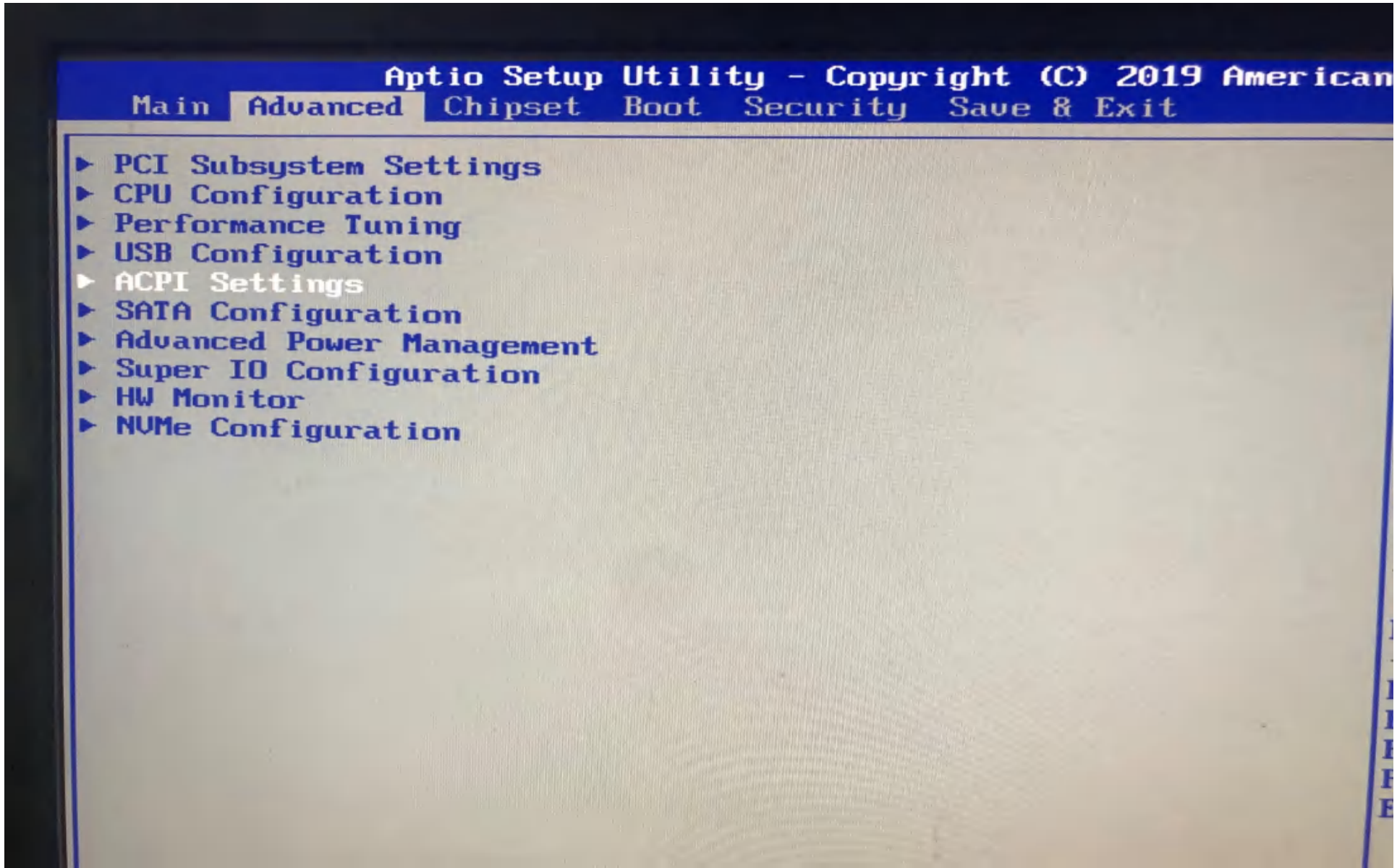

Aptio Setup Utility - Copyright (C) 2019 American Meg
Advanced
PCI Bus Driver Version
V 2.05.02
PCI 64bit Resources Handling
Above 4G Decoding
[Disabled]
PCI Common Settings
PCI Latency Timer
[32 PCI Bus Clocks]
VGA Palette Snoop
[Disabled]
PERR# Generation
[Disabled]
SERR# Generation
[Disabled]
PCI Express Settings
PCI Express GEN 2 Settings
Ena
cap
in
(On
bit
→←: S
↑↓: S
Enter
+/-:
F1: G
F2: P
F9: O
F10: S
ESC: E

关闭超线程


Aptio Setup Utility – Copyright (C) 2019 American Me
Main
Advanced
Chipset
Boot
Security
Save & Exit
PCI Subsystem Settings
CPU Configuration
Performance Tuning
USB Configuration
ACPI Settings
SATA Configuration
Advanced Power Management
Super IO Configuration
HW Monitor
NVMe Configuration
CPU
→←:
↑↓:
Enter
+/-:
F1: G
F2: P
F9: O
F10:
ESC:


Aptio Setup Utility - Copyright (C) 2019 American M
Advanced
CPU Configuration
Socket 0 CPU Information
CPU Speed
2600 MHz
64-bit
Supported
Hyper-threading
[Enabled]
Active Processor Cores
[All]
Limit CPUID Maximum
[Disabled]
Execute Disable Bit
[Enabled]
Hardware Prefetcher
[Enabled]
Adjacent Cache Line Prefetch
[Enabled]
DCU Streamer Prefetcher
[Enabled]
DCU IP Prefetcher
[Enabled]
Intel Virtualization Technology
[Enabled]
CPU Power Management Configuration
F1:
F2:
F9:
F10:
ESC:

睡眠


Aptio Setup Utility - Copyright (C) 2019 American
Main
Advanced
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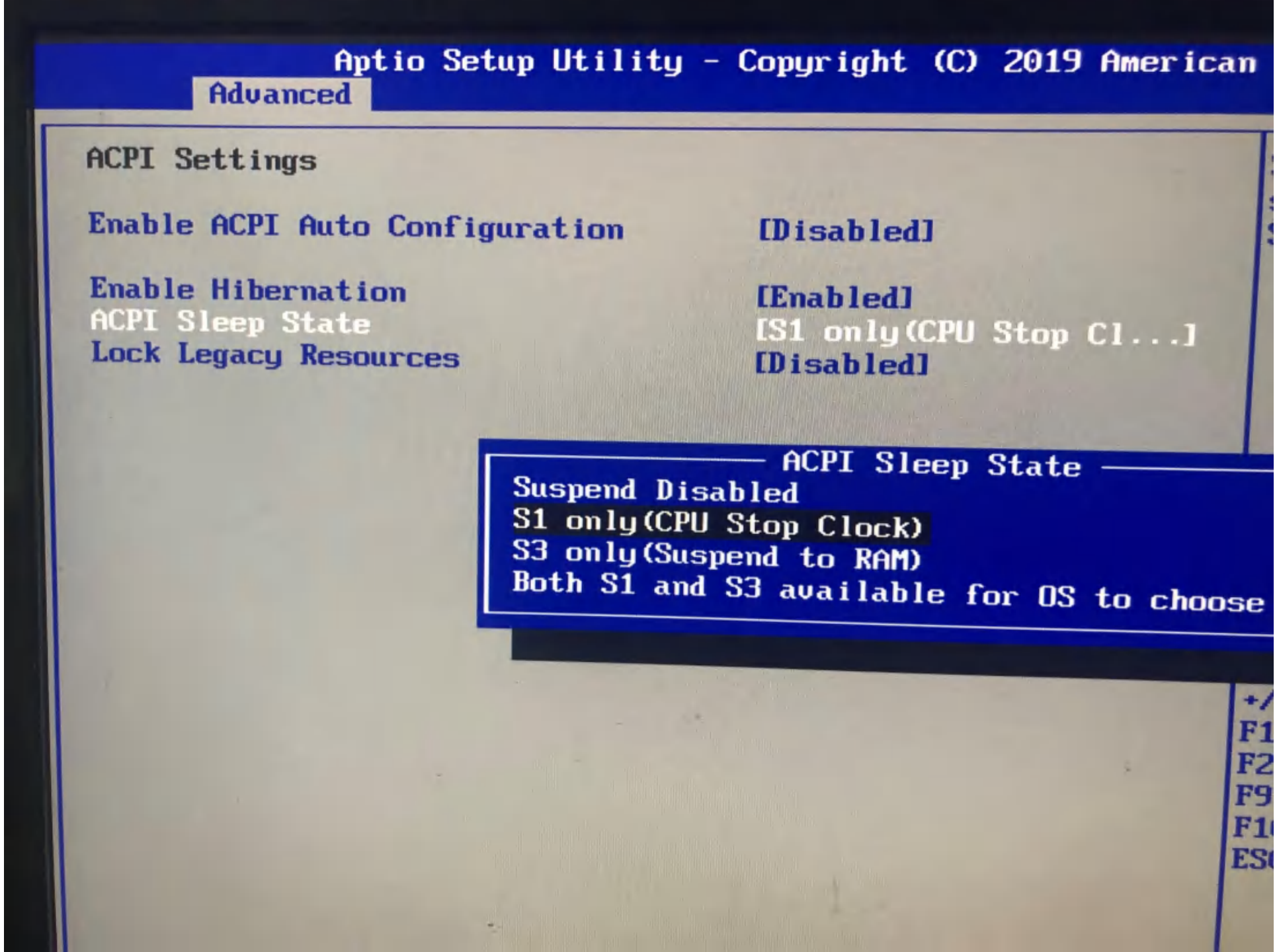
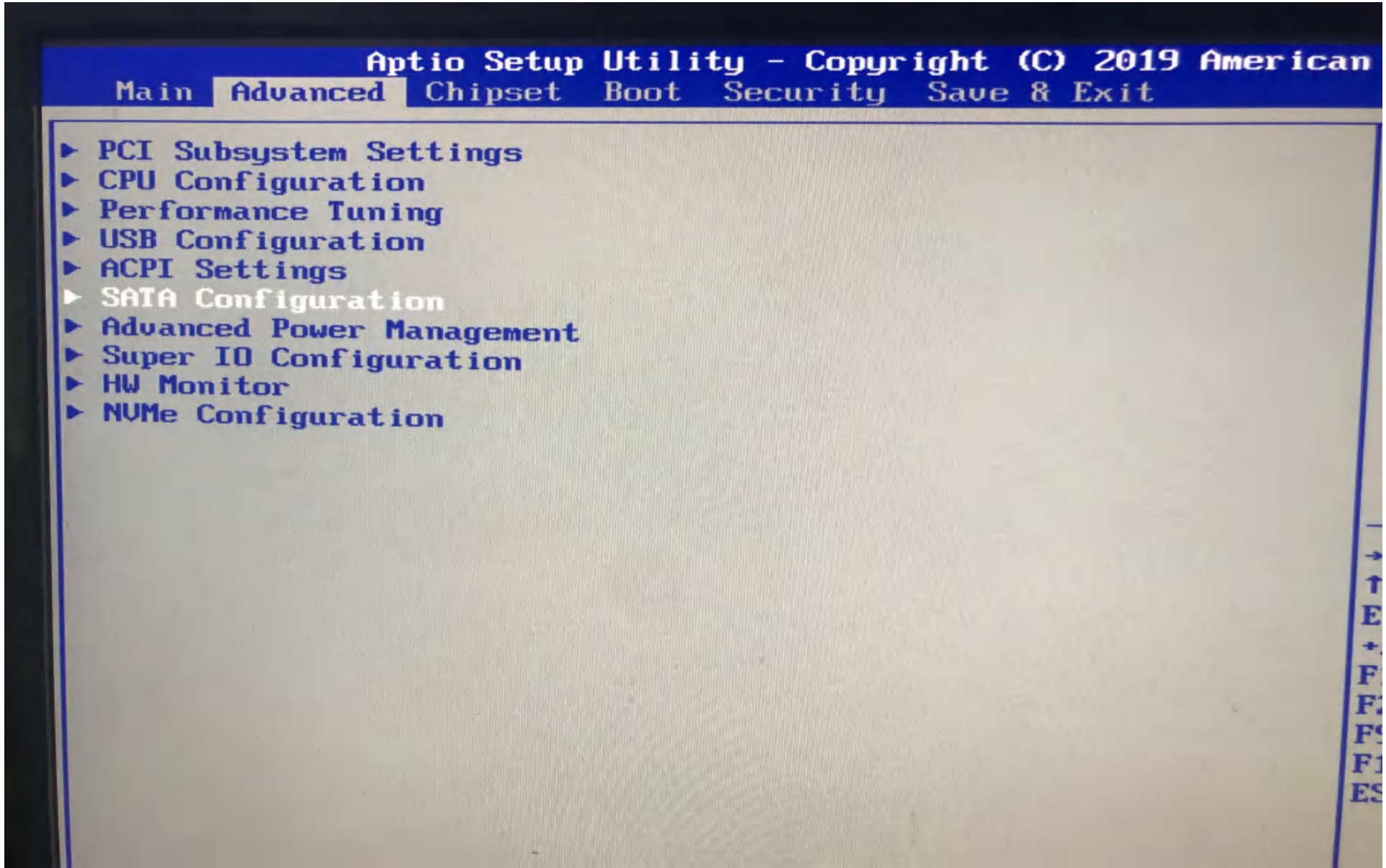
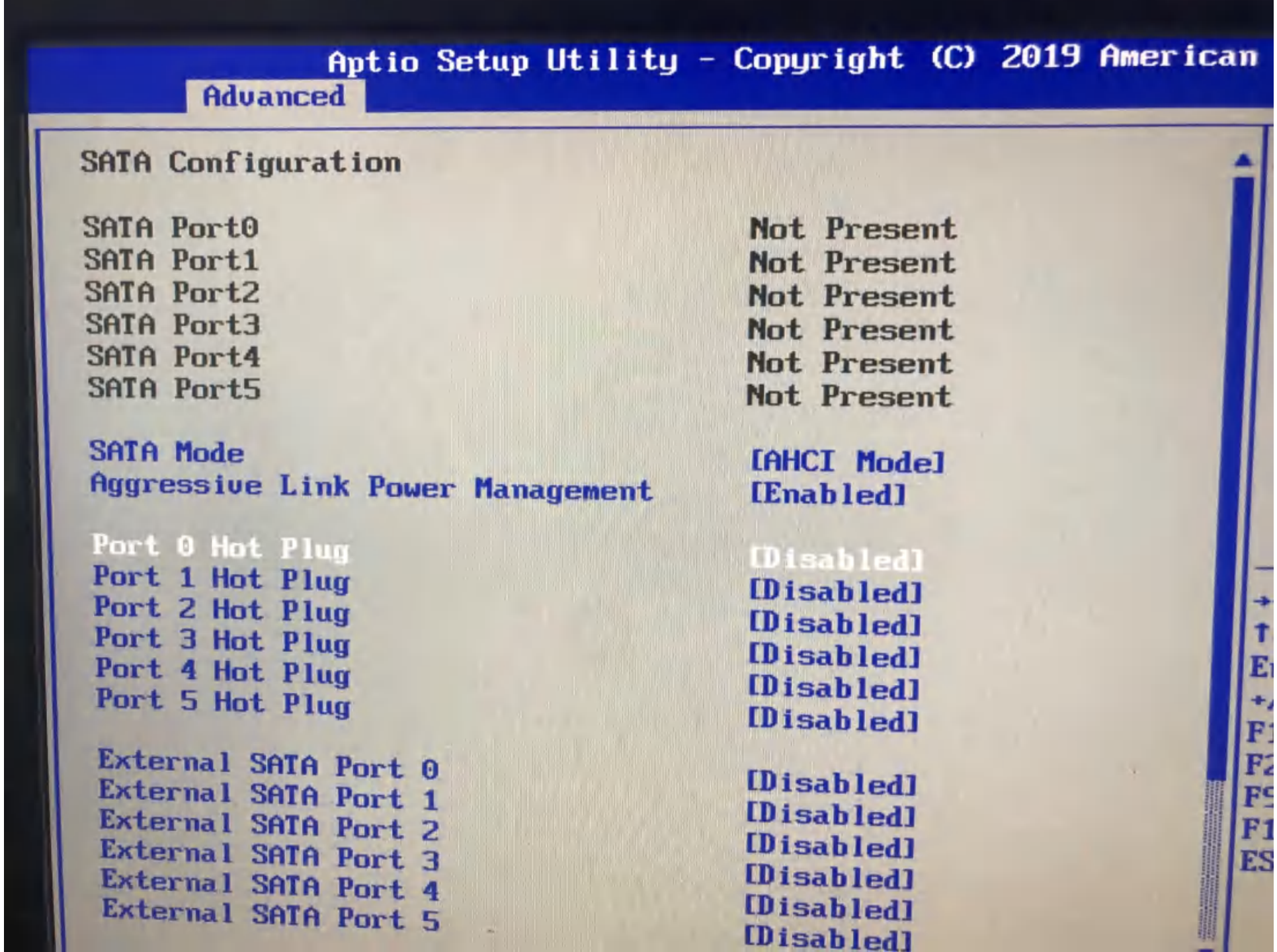
Boot
Security
Save & Exit
PCI Subsystem Settings
CPU Configuration
Performance Tuning
USB Configuration
ACPI Settings
SATA Configuration
Advanced Power Management
Super IO Configuration
HW Monitor
NVMe Configuration

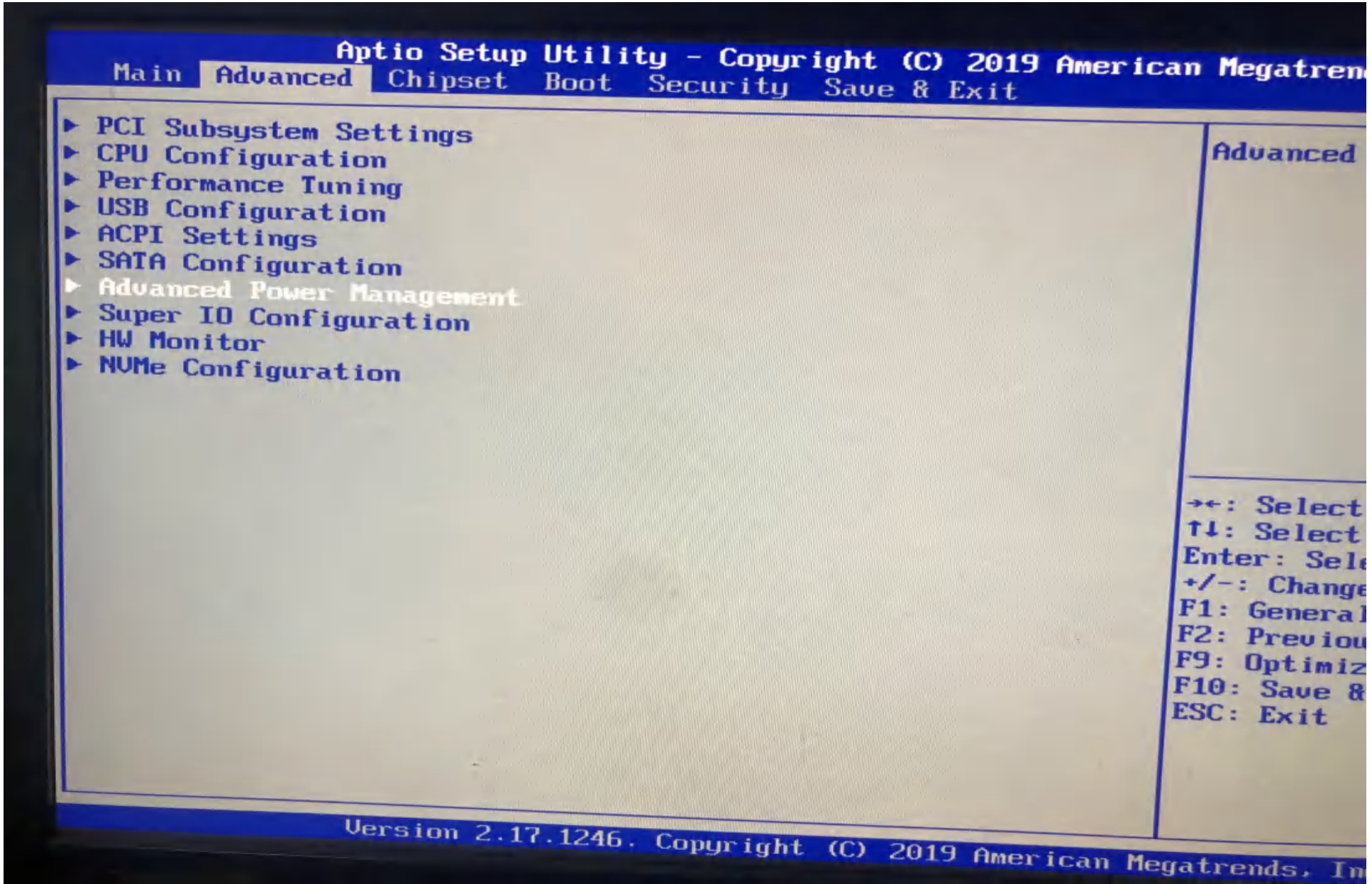

Aptio Setup Utility - Copyright (C) 2019 American
Advanced
ACPI Settings
Enable ACPI Auto Configuration [Disabled]
Enable Hibernation [Enabled]
ACPI Sleep State [S1 only(CPU Stop Cl...]
Lock Legacy Resources [Disabled]
ACPI Sleep State
Suspend Disabled
S1 only(CPU Stop Clock)
S3 only(Suspend to RAM)
Both S1 and S3 available for OS to choose

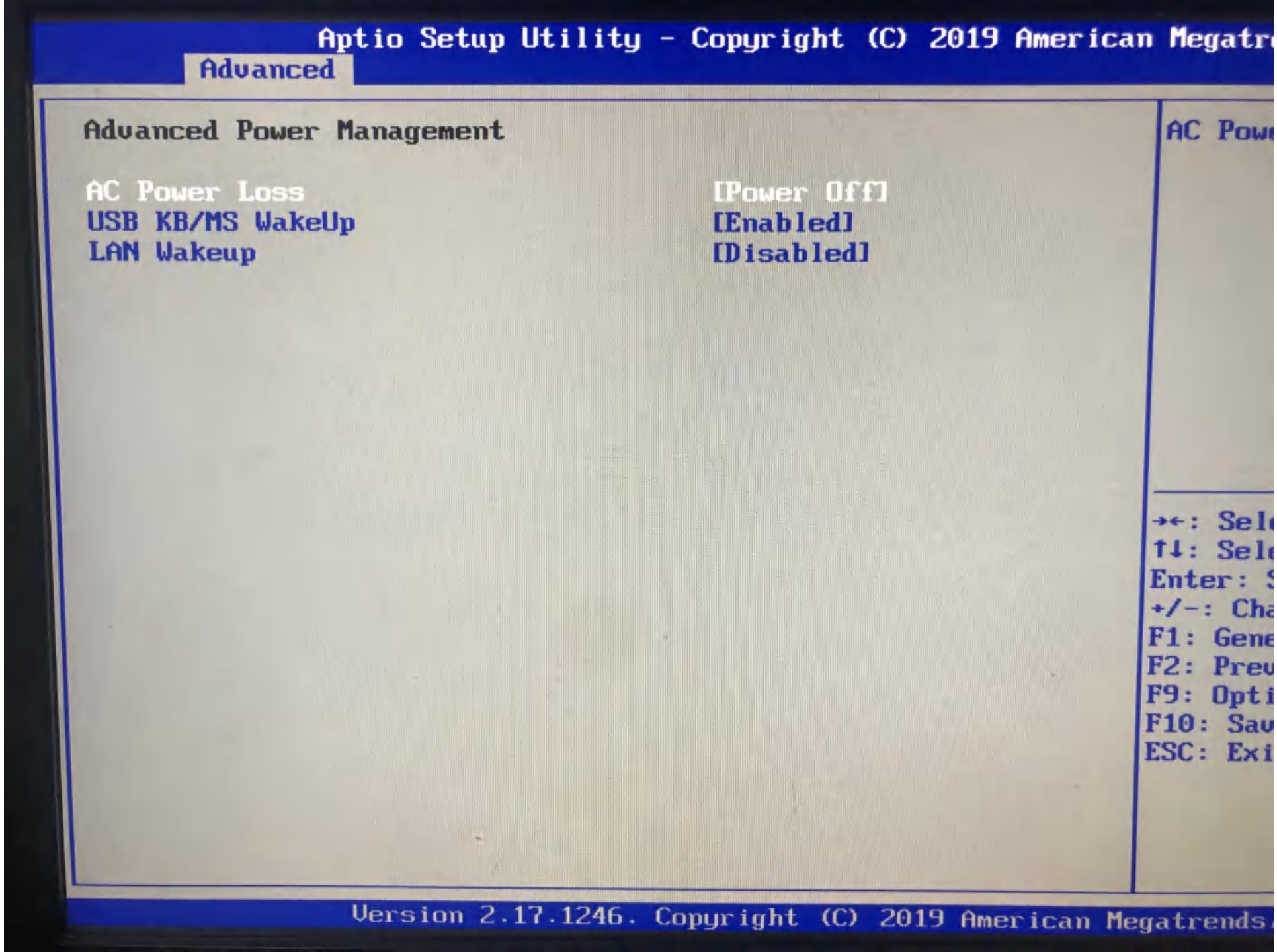
硬盘热拔插


Aptio Setup Utility - Copyright (C) 2019 American
Main
Advanced
Chipset
Boot
Security
Save & Exit
PCI Subsystem Settings
CPU Configuration
Performance Tuning
USB Configuration
ACPI Settings
SATA Configuration
Advanced Power Management
Super IO Configuration
HW Monitor
NVMe Configuration

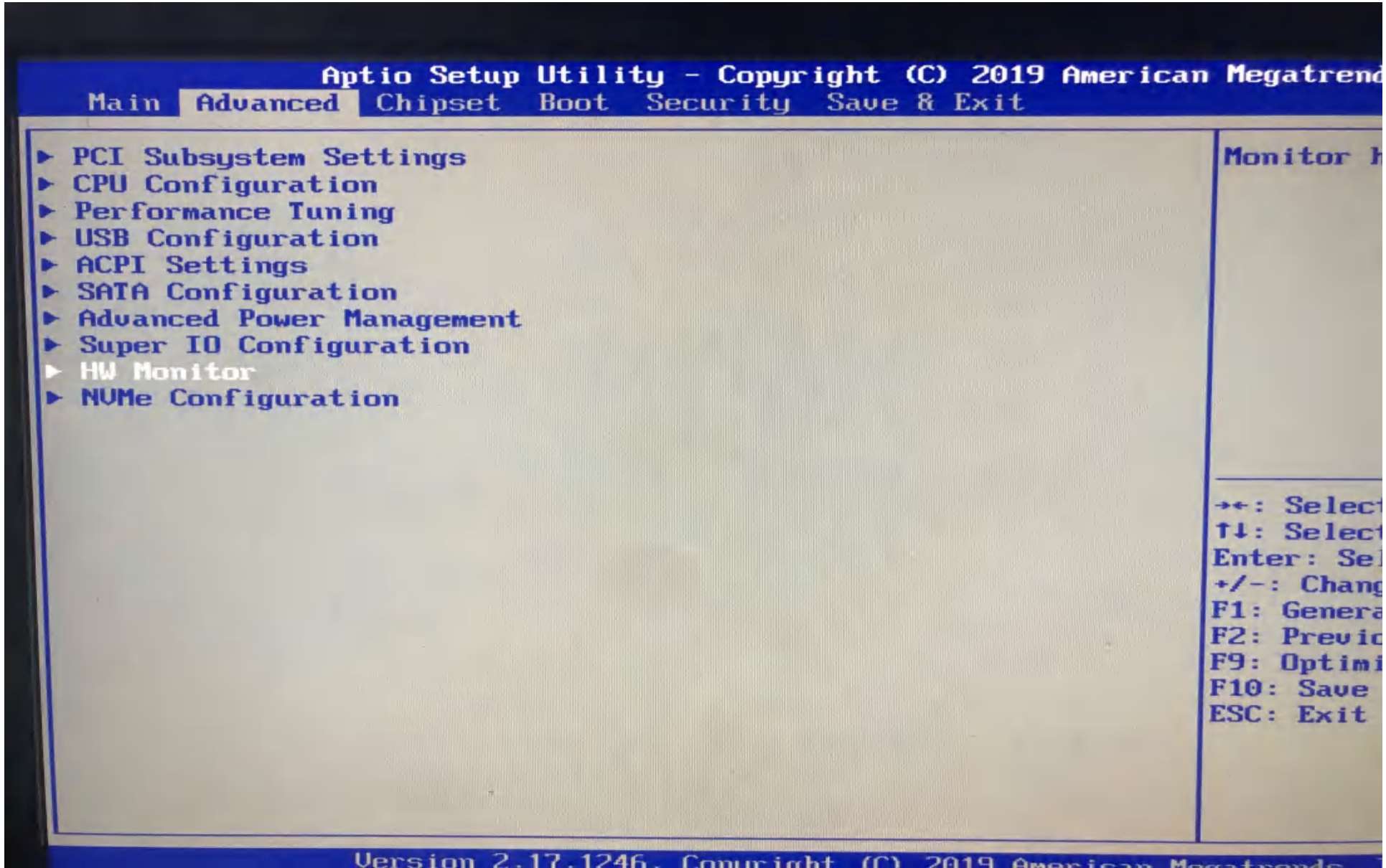

Aptio Setup Utility - Copyright (C) 2019 American
Advanced
SATA Configuration
SATA Port0 Not Present
SATA Port1 Not Present
SATA Port2 Not Present
SATA Port3 Not Present
SATA Port4 Not Present
SATA Port5 Not Present
SATA Mode [AHCI Mode]
Aggressive Link Power Management [Enabled]
Port 0 Hot Plug [Disabled]
Port 1 Hot Plug [Disabled]
Port 2 Hot Plug [Disabled]
Port 3 Hot Plug [Disabled]
Port 4 Hot Plug [Disabled]
Port 5 Hot Plug [Disabled]
External SATA Port 0 [Disabled]
External SATA Port 1 [Disabled]
External SATA Port 2 [Disabled]
External SATA Port 3 [Disabled]
External SATA Port 4 [Disabled]
External SATA Port 5 [Disabled]

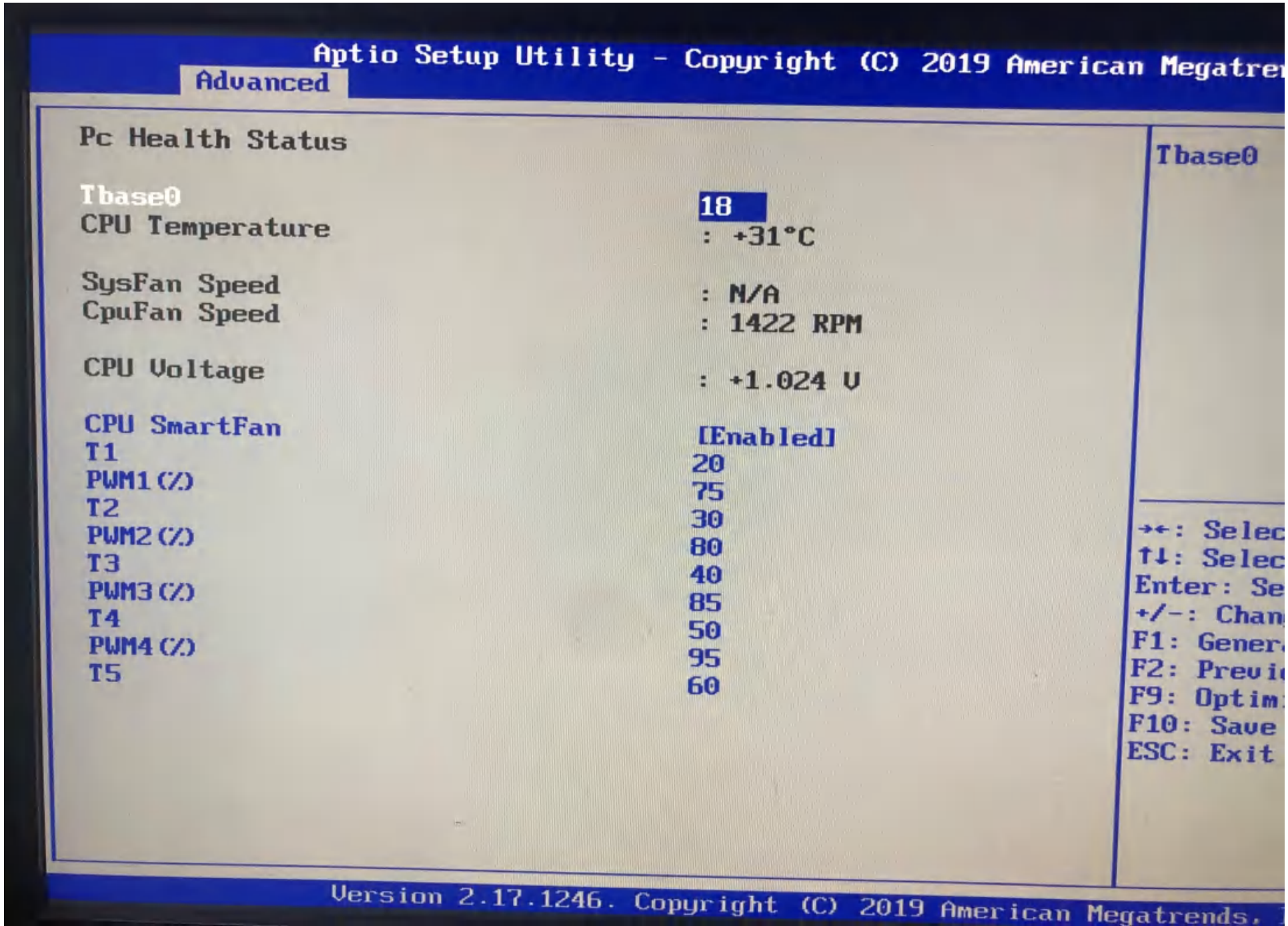
AC 启动

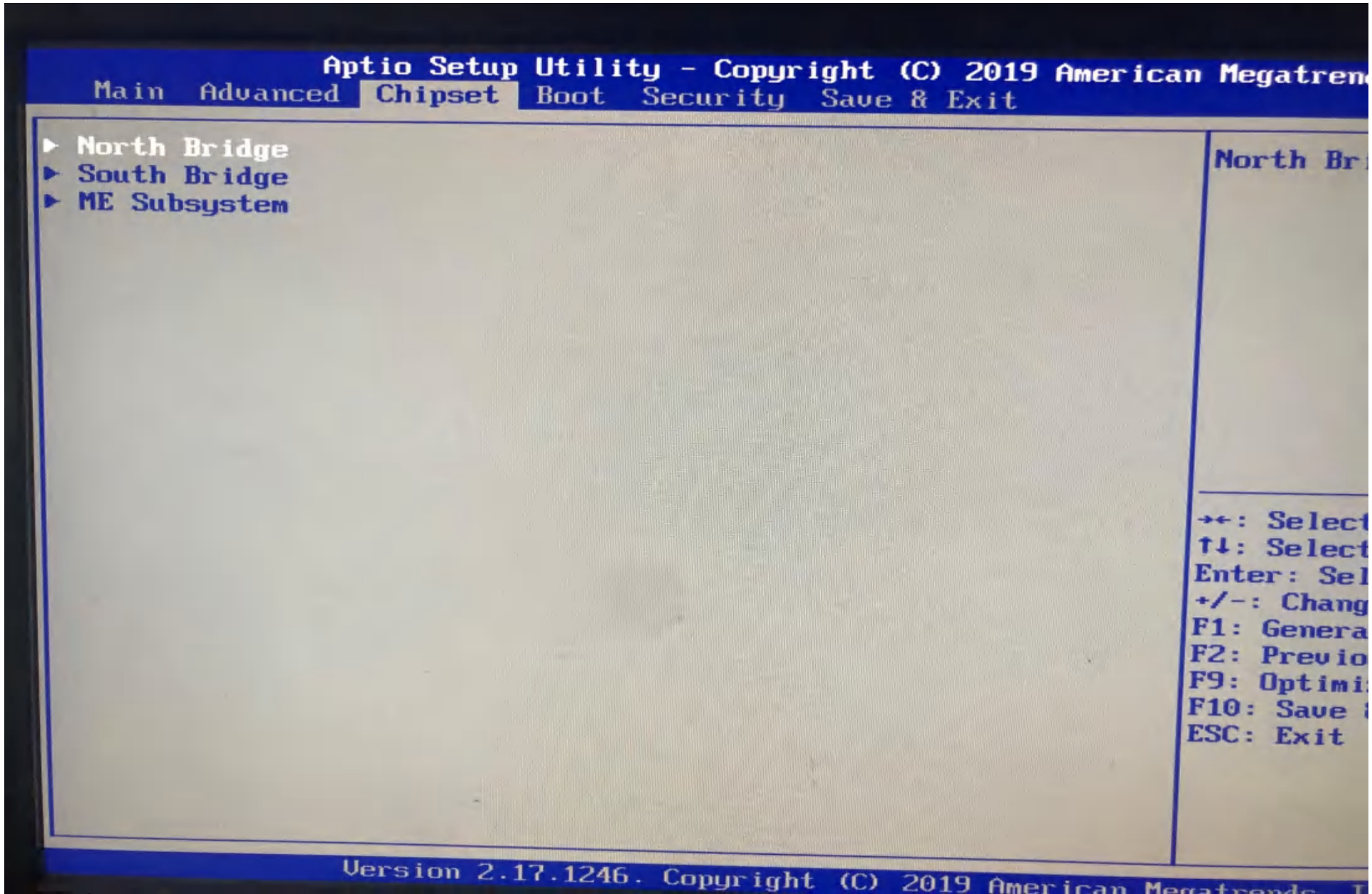

Aptio Setup Utility - Copyright (C) 2019 American Megatren
Main
Advanced
Chipset
Boot
Security
Save & Exit
PCI Subsystem Settings
CPU Configuration
Performance Tuning
USB Configuration
ACPI Settings
SATA Configuration
Advanced Power Management
Super IO Configuration
HW Monitor
NVMe Configuration
Advanced
→←: Select
↑↓: Select
Enter: Sele
+/-: Change
F1: General
F2: Previou
F9: Optimiz
F10: Save &
ESC: Exit
Version 2.17.1246. Copyright (C) 2019 American Megatrends, In

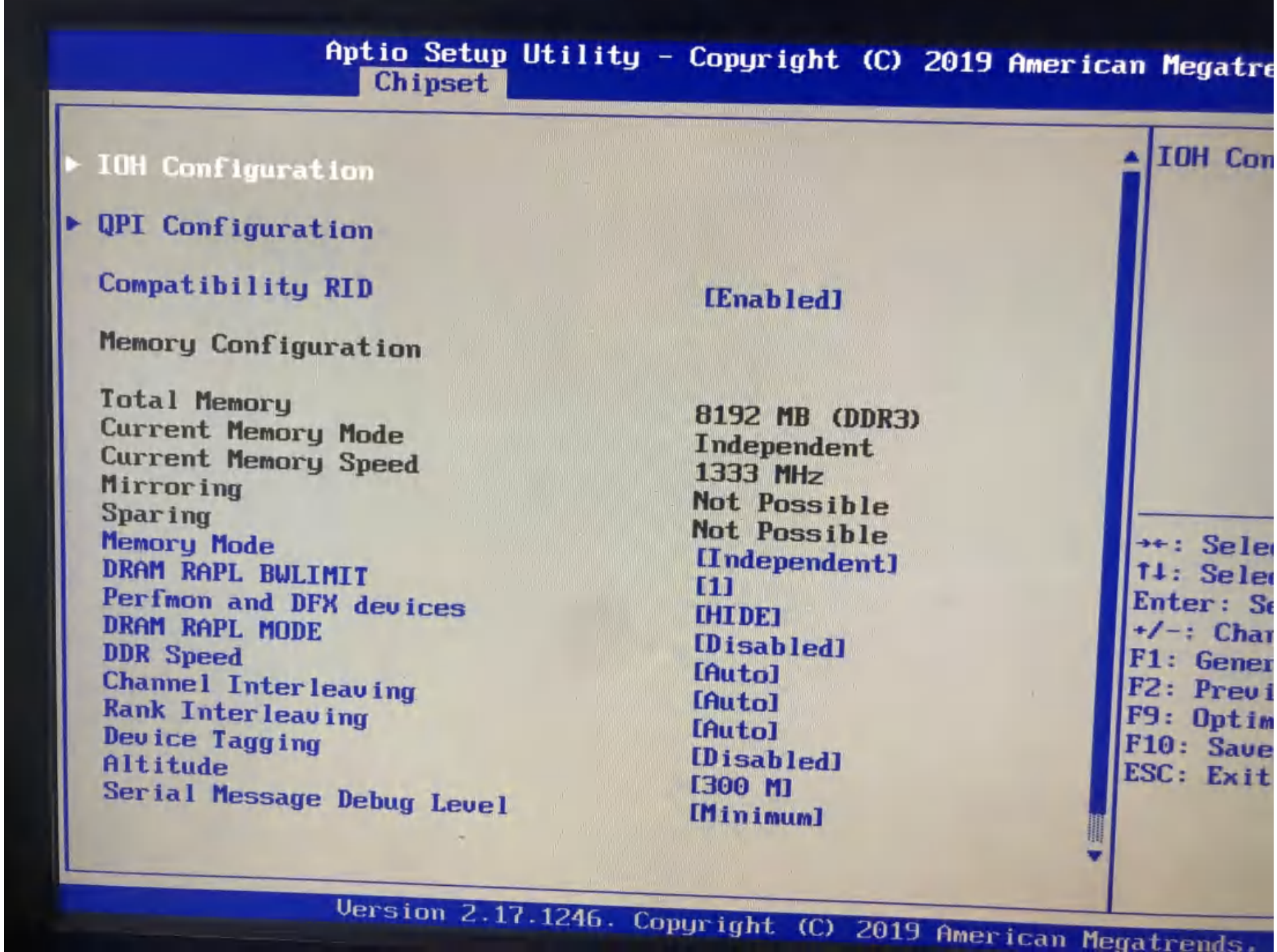

Aptio Setup Utility - Copyright (C) 2019 American Megatr
Advanced
Advanced Power Management
AC Power Loss
[Power Off]
USB KB/MS WakeUp
[Enabled]
LAN Wakeup
[Disabled]
AC Pow
→←: Sel
↑↓: Sel
Enter: S
+/-: Cha
F1: Gene
F2: Prev
F9: Opti
F10: Sav
ESC: Exi
Version 2.17.1246. Copyright (C) 2019 American Megatrends

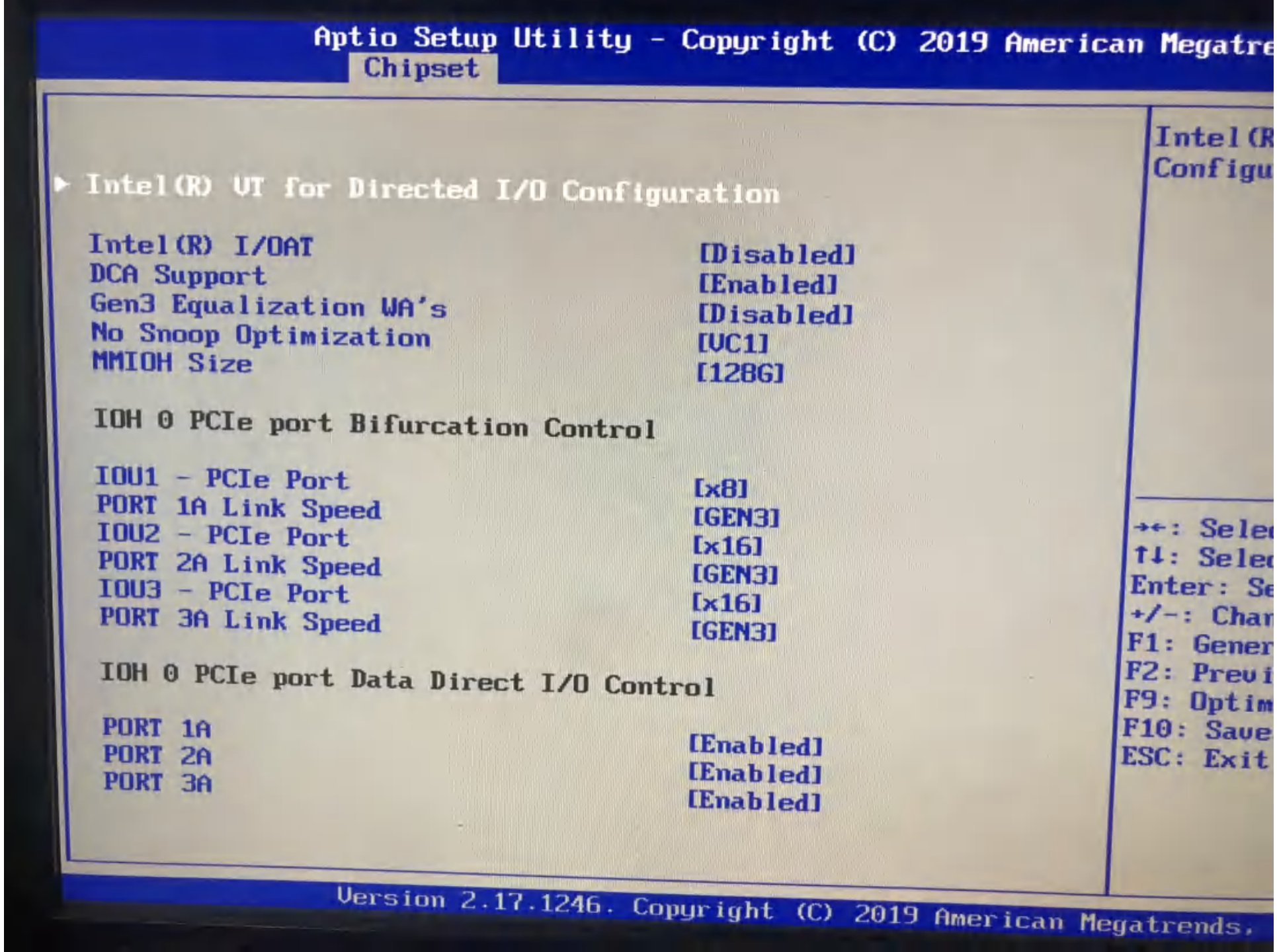
温控


Aptio Setup Utility - Copyright (C) 2019 American Megatrend
Main
Advanced
Chipset
Boot
Security
Save & Exit
PCI Subsystem Settings
CPU Configuration
Performance Tuning
USB Configuration
ACPI Settings
SATA Configuration
Advanced Power Management
Super IO Configuration
HW Monitor
NVMe Configuration
Monitor h
→←: Select
↑↓: Select
Enter: Sel
+/-: Chang
F1: Genera
F2: Previc
F9: Optimi
F10: Save
ESC: Exit
Version 2.17.1246. Copyright (C) 2019 American Megatrends


Aptio Setup Utility - Copyright (C) 2019 American Megatre
Advanced
Pc Health Status
Tbase0
CPU Temperature
: +31°C
SysFan Speed
: N/A
CpuFan Speed
: 1422 RPM
CPU Voltage
: +1.024 V
CPU SmartFan
[Enabled]
T1
20
PWM1(%)
75
T2
30
PWM2(%)
80
T3
40
PWM3(%)
85
T4
50
PWM4(%)
95
T5
60
Tbase0
→←: Selec
↑↓: Selec
Enter: Se
+/-: Chan
F1: Gener
F2: Previ
F9: Optim
F10: Save
ESC: Exit
Version 2.17.1246. Copyright (C) 2019 American Megatrends.


Aptio Setup Utility - Copyright (C) 2019 American Megatren
Main Advanced Chipset Boot Security Save & Exit
North Bridge
South Bridge
ME Subsystem
North Br
→←: Select
↑↓: Select
Enter: Sel
+/-: Chang
F1: Genera
F2: Previo
F9: Optimi
F10: Save
ESC: Exit
Version 2.17.1246. Copyright (C) 2019 American Megatrends


Aptio Setup Utility - Copyright (C) 2019 American Megatre
Chipset
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 [Disabled]
DDR Speed [Auto]
Channel Interleaving [Auto]
Rank Interleaving [Auto]
Device Tagging [Auto]
Altitude [Disabled]
Serial Message Debug Level [300 M]
[Minimum]
IOH Con
→←: Sele
↑↓: Sele
Enter: Se
+/-: Char
F1: Gener
F2: Previ
F9: Optim
F10: Save
ESC: Exit
Version 2.17.1246. Copyright (C) 2019 American Megatrends.


Aptio Setup Utility - Copyright (C) 2019 American Megatre
Chipset
Intel(R
Configu
▶ Intel(R) VT for Directed I/O Configuration
Intel(R) I/OAT [Disabled]
DCA Support [Enabled]
Gen3 Equalization WA's [Disabled]
No Snoop Optimization [VC1]
MMIOH Size [128G]
IOH 0 PCIe port Bifurcation Control
IOU1 - PCIe Port [x8]
PORT 1A Link Speed [GEN3]
IOU2 - PCIe Port [x16]
PORT 2A Link Speed [GEN3]
IOU3 - PCIe Port [x16]
PORT 3A Link Speed [GEN3]
IOH 0 PCIe port Data Direct I/O Control
PORT 1A [Enabled]
PORT 2A [Enabled]
PORT 3A [Enabled]
→←: Sele
↑↓: Sele
Enter: Se
+/-: Char
F1: Gener
F2: Previ
F9: Optim
F10: Save
ESC: Exit
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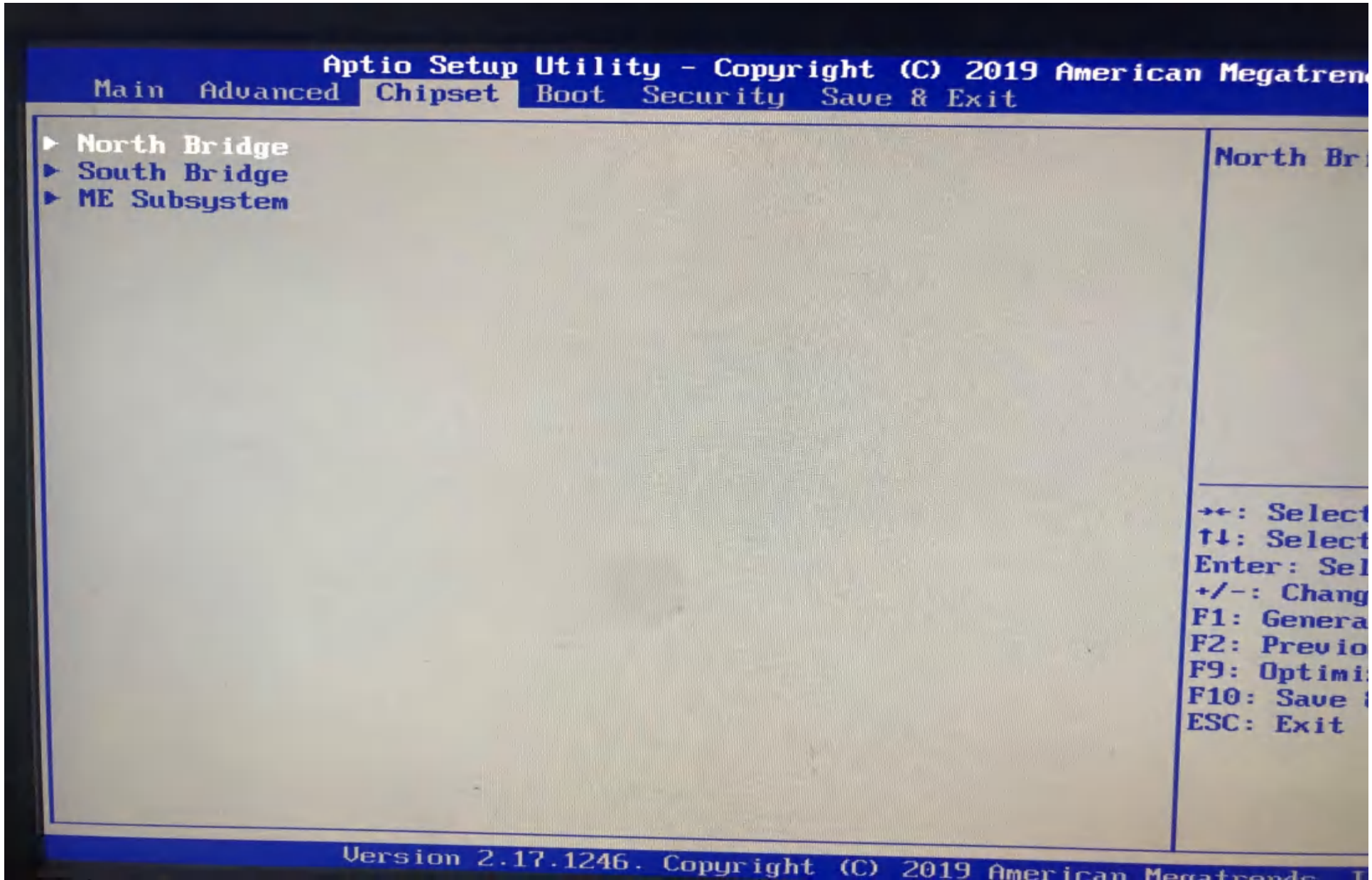
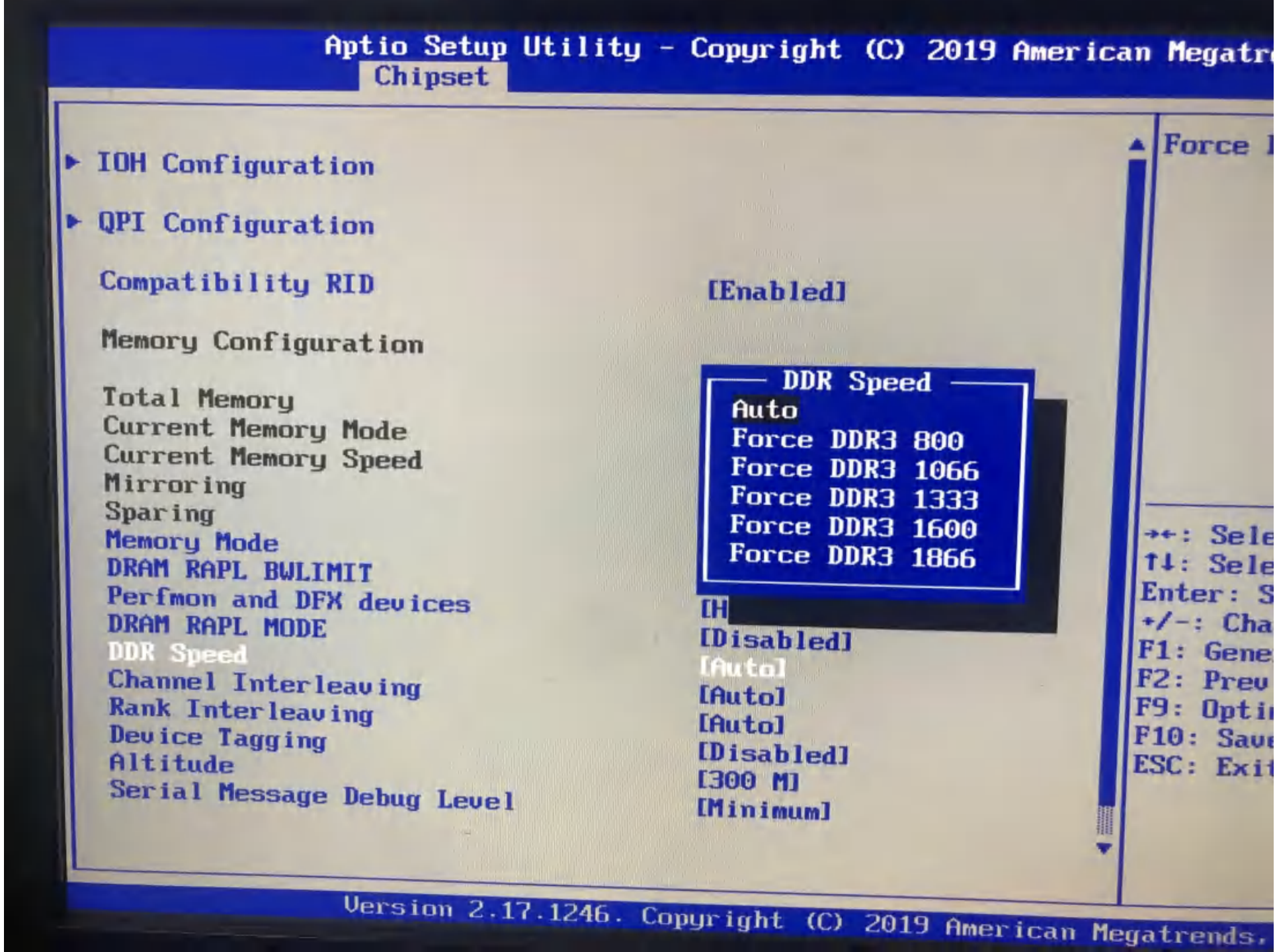
内存频率


Aptio Setup Utility - Copyright (C) 2019 American Megatren
Main Advanced Chipset Boot Security Save & Exit
North Bridge
South Bridge
ME Subsystem
North Br
→←: Select
↑↓: Select
Enter: Sel
+/-: Chang
F1: Genera
F2: Previo
F9: Optimi
F10: Save
ESC: Exit
Version 2.17.1246. Copyright (C) 2019 American Megatrends


Aptio Setup Utility - Copyright (C) 2019 American Megatr
Chipset
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 [H
DRAM RAPL MODE [Disabled]
DDR Speed [Auto]
Channel Interleaving [Auto]
Rank Interleaving [Auto]
Device Tagging [Disabled]
Altitude [300 M]
Serial Message Debug Level [Minimum]
DDR Speed
Auto
Force DDR3 800
Force DDR3 1066
Force DDR3 1333
Force DDR3 1600
Force DDR3 1866
Force
→←: Sele
↑↓: Sele
Enter: S
+/-: Cha
F1: Gene
F2: Prev
F9: Opti
F10: Save
ESC: Exit
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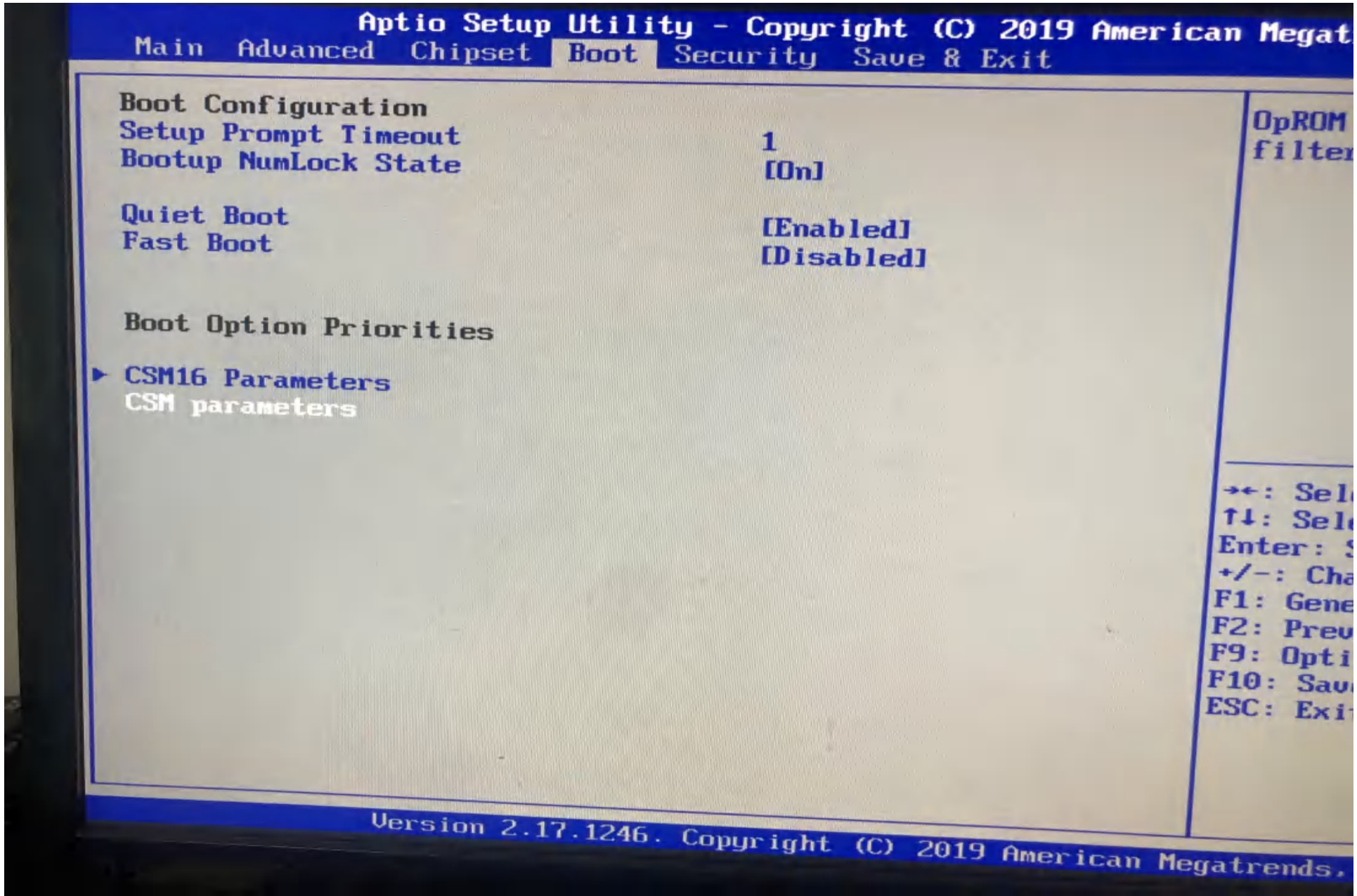
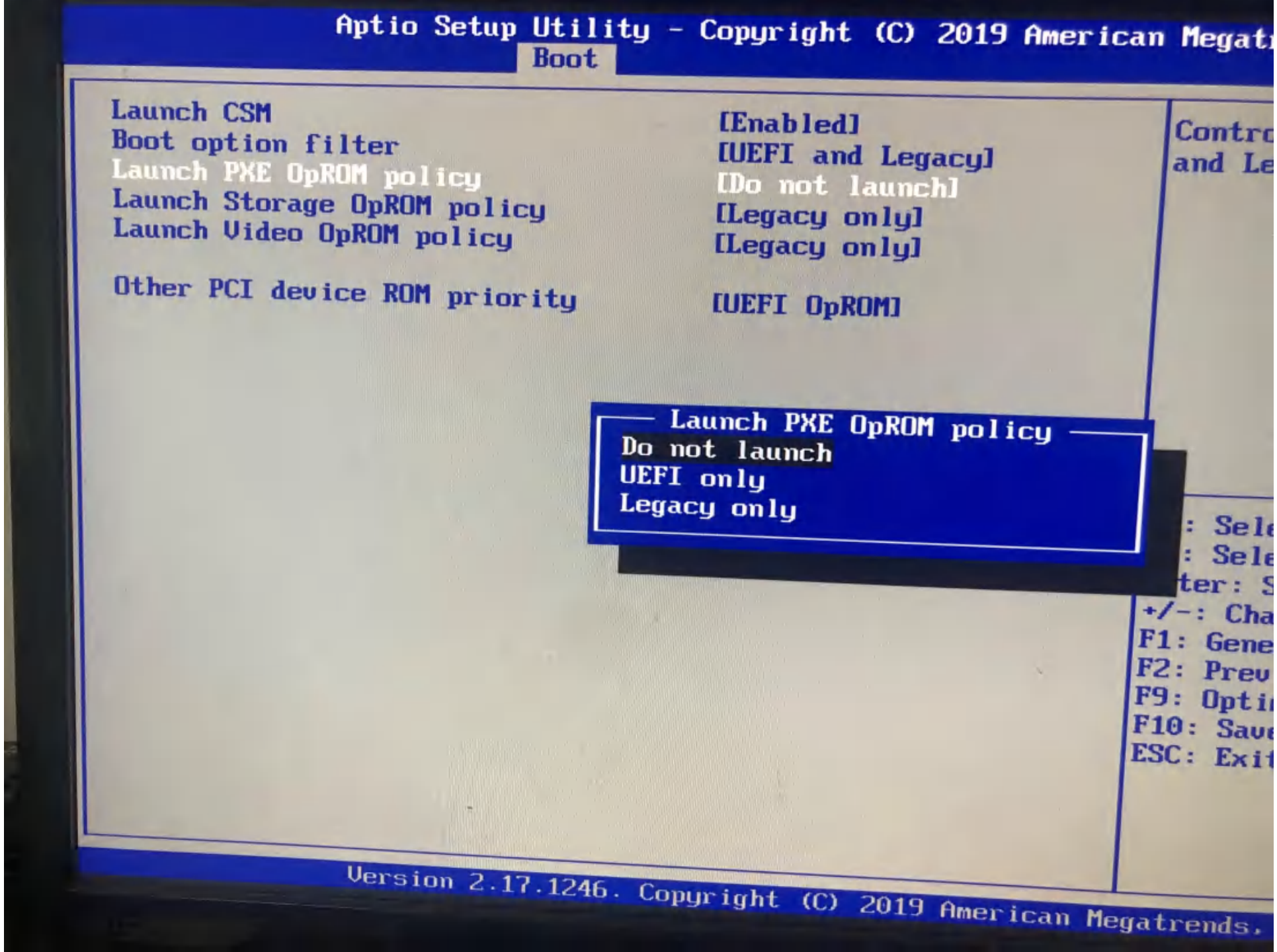
网卡启动


Aptio Setup Utility - Copyright (C) 2019 American Megat
Main Advanced Chipset Boot Security Save & Exit
Boot Configuration
Setup Prompt Timeout
1
Bootup NumLock State
[On]
Quiet Boot
[Enabled]
Fast Boot
[Disabled]
Boot Option Priorities
CSM16 Parameters
CSM parameters
OpROM
filter
→←: Sel
↑↓: Sel
Enter: S
+/-: Cha
F1: Gene
F2: Prev
F9: Opti
F10: Sav
ESC: Exi
Version 2.17.1246. Copyright (C) 2019 American Megatrends,


Aptio Setup Utility - Copyright (C) 2019 American Megati
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 [UEFI OpROM]
Launch PXE OpROM policy
Do not launch
UEFI only
Legacy only
Contro
and Le
: Sele
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ter: S
+/-: Cha
F1: Gene
F2: Prev
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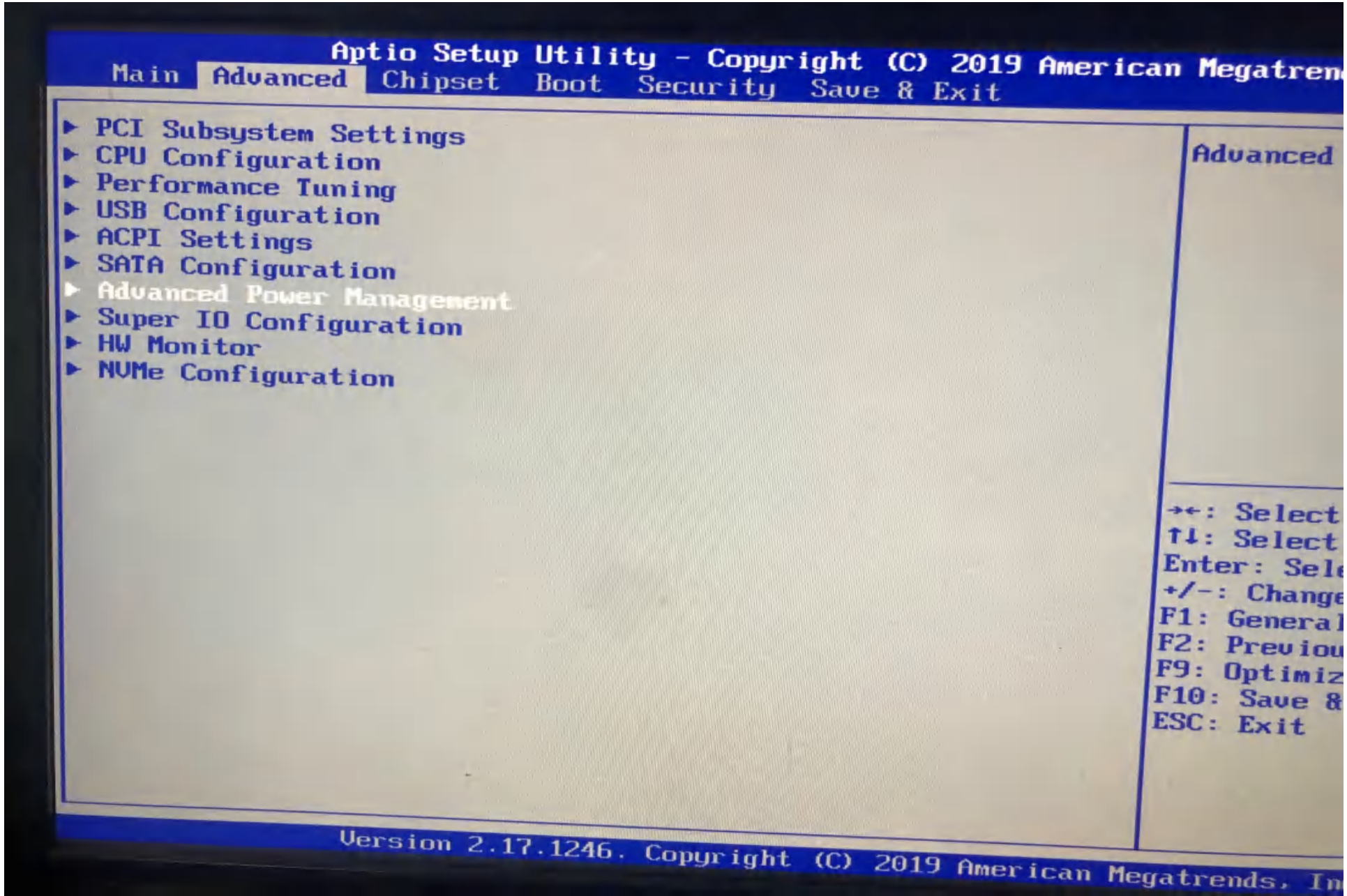
F10: Save
ESC: Exit
Version 2.17.1246. Copyright (C) 2019 American Megatrends.

网络唤醒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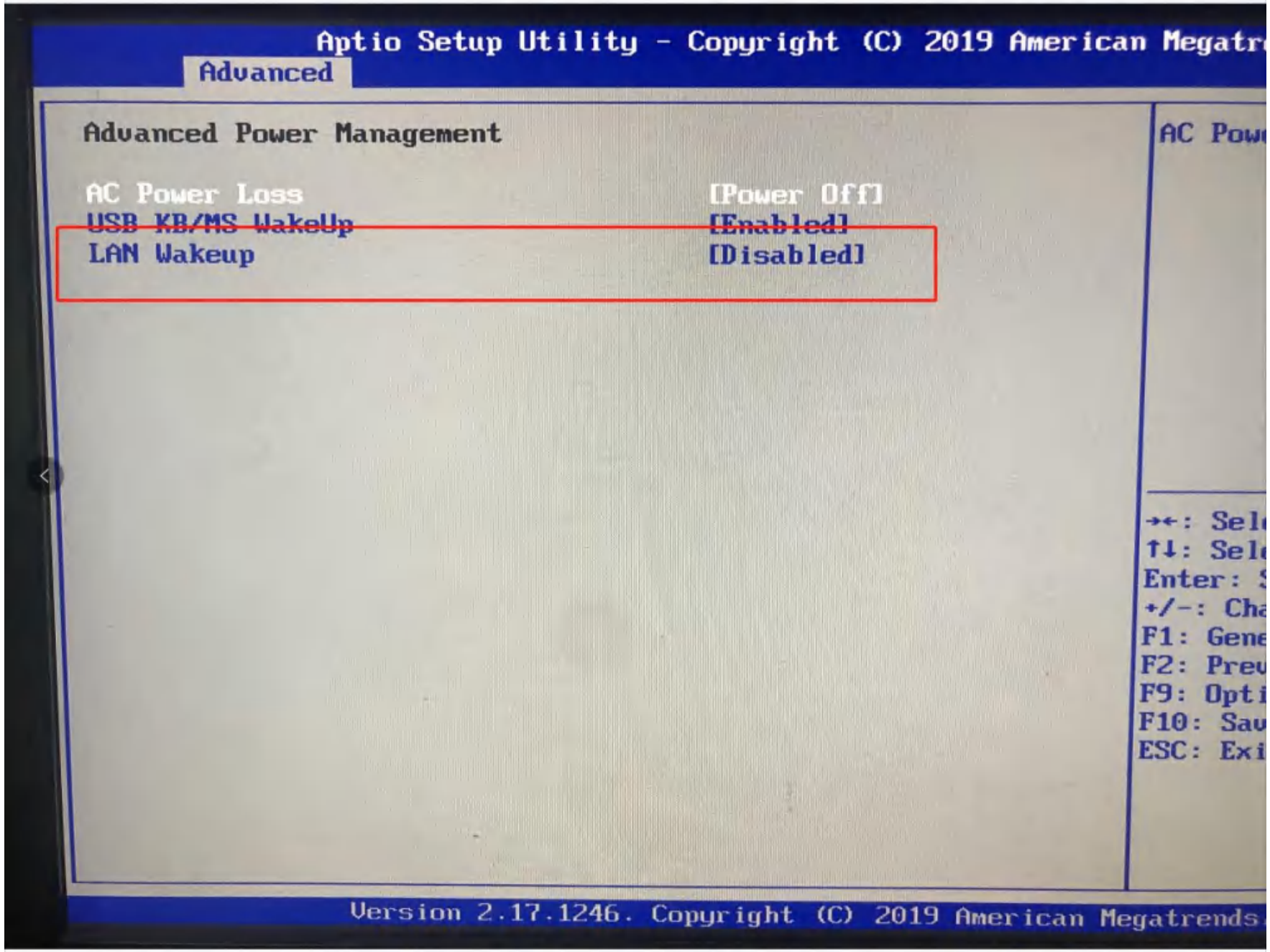
Aptio Setup Utility - Copyright (C) 2019 American Megatr
Advanced
Advanced Power Management
AC Power Loss [Power Off]
USB KB/MS WakeUp [Enabled]
LAN Wakeup [Disabled]
AC Pow
→←: Sel
↑↓: Sel
Enter: S
+/-: Cha
F1: Gene
F2: Prev
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F10: Sav
ESC: Exi
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