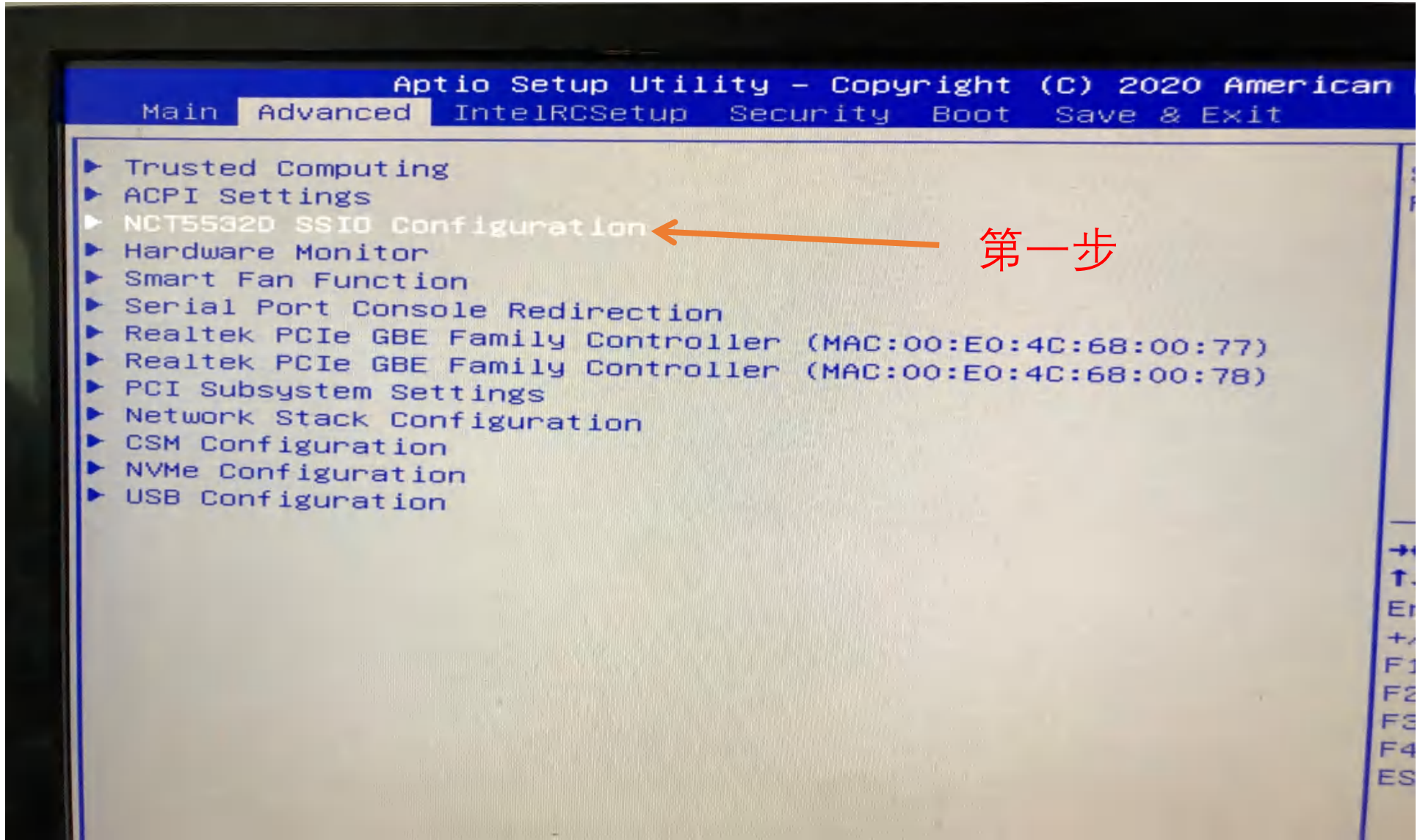
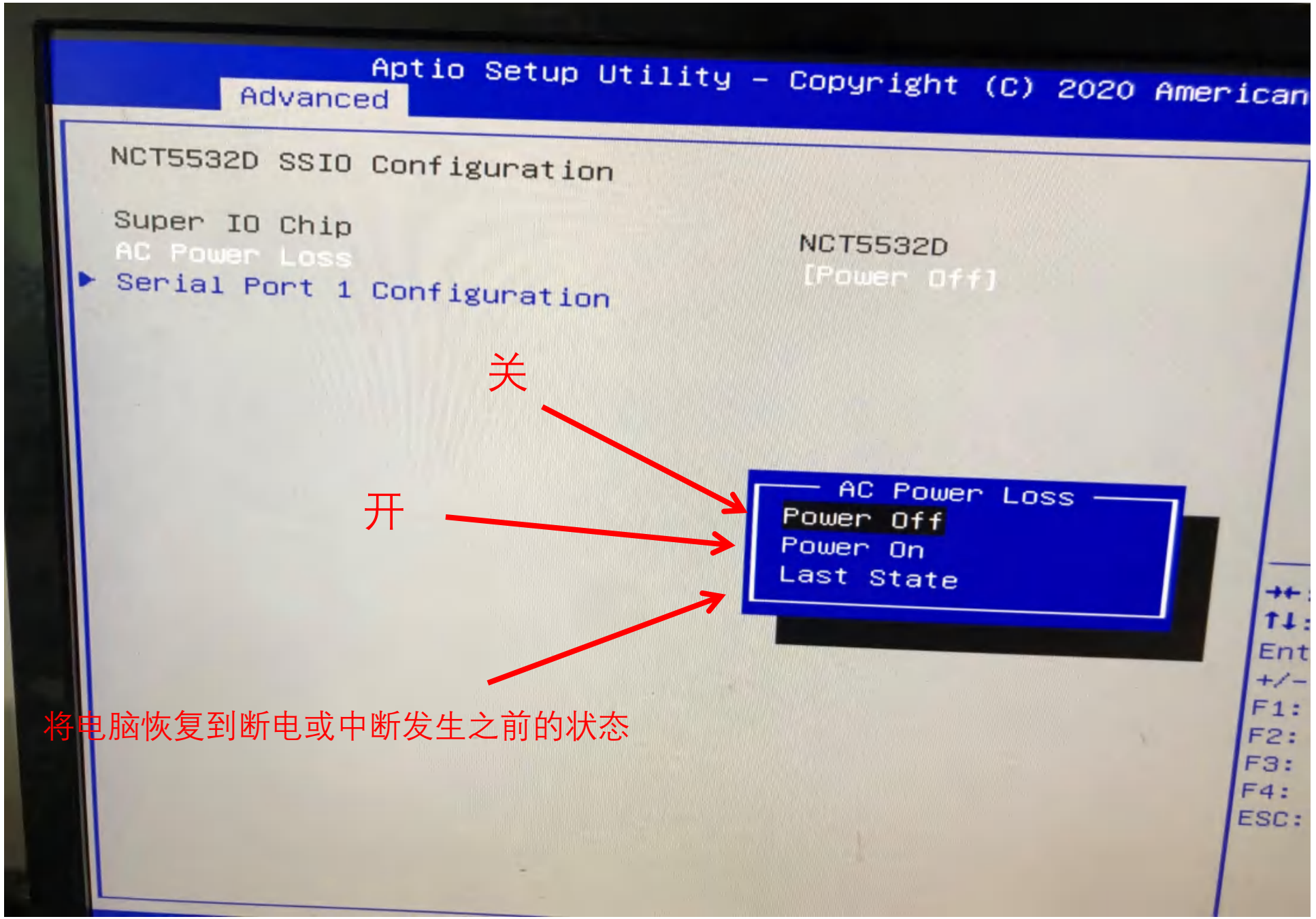
X99 F8D主板

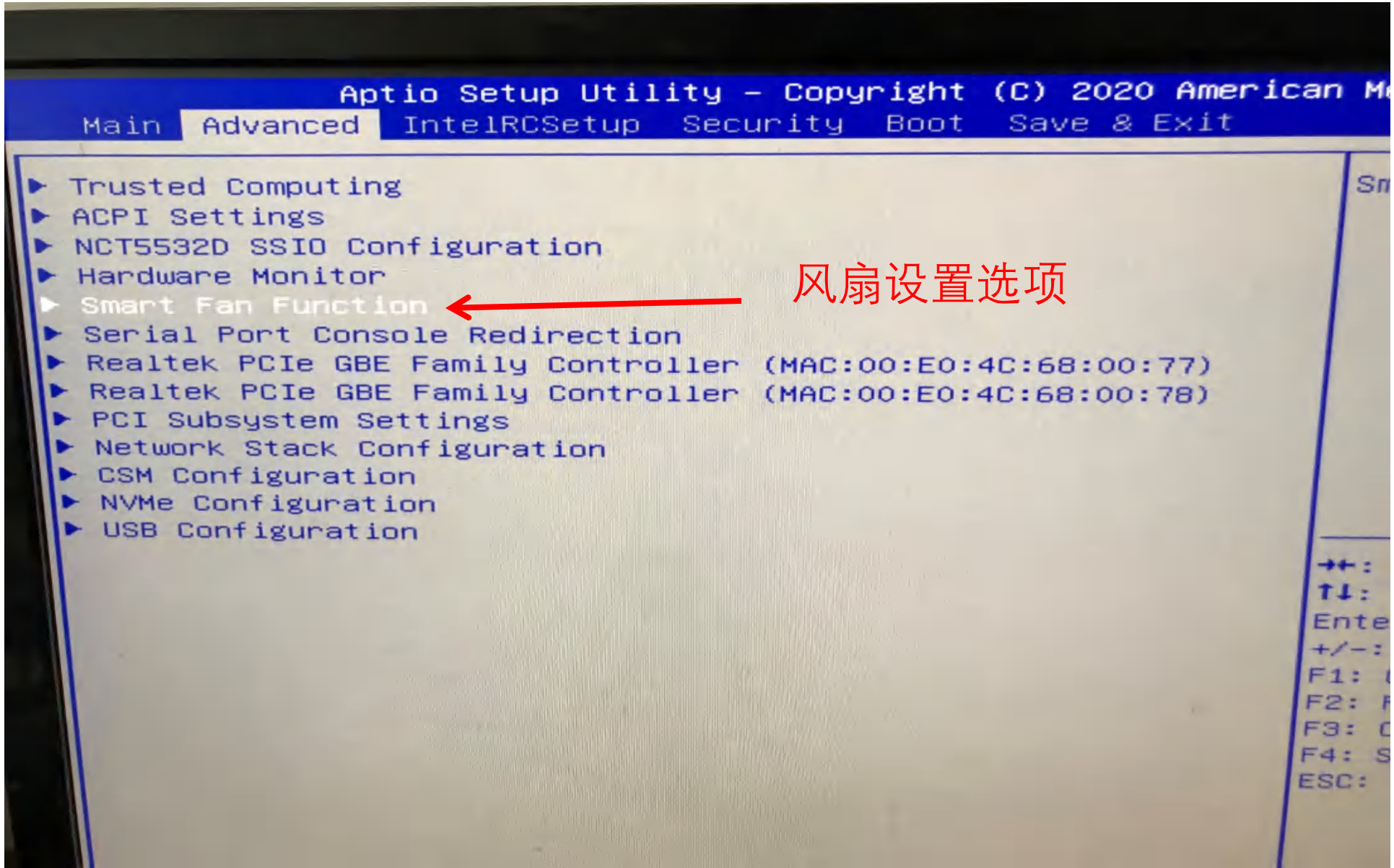
Delete/Esc为进入BIOS键 F4为保存键 F7为快捷启动键

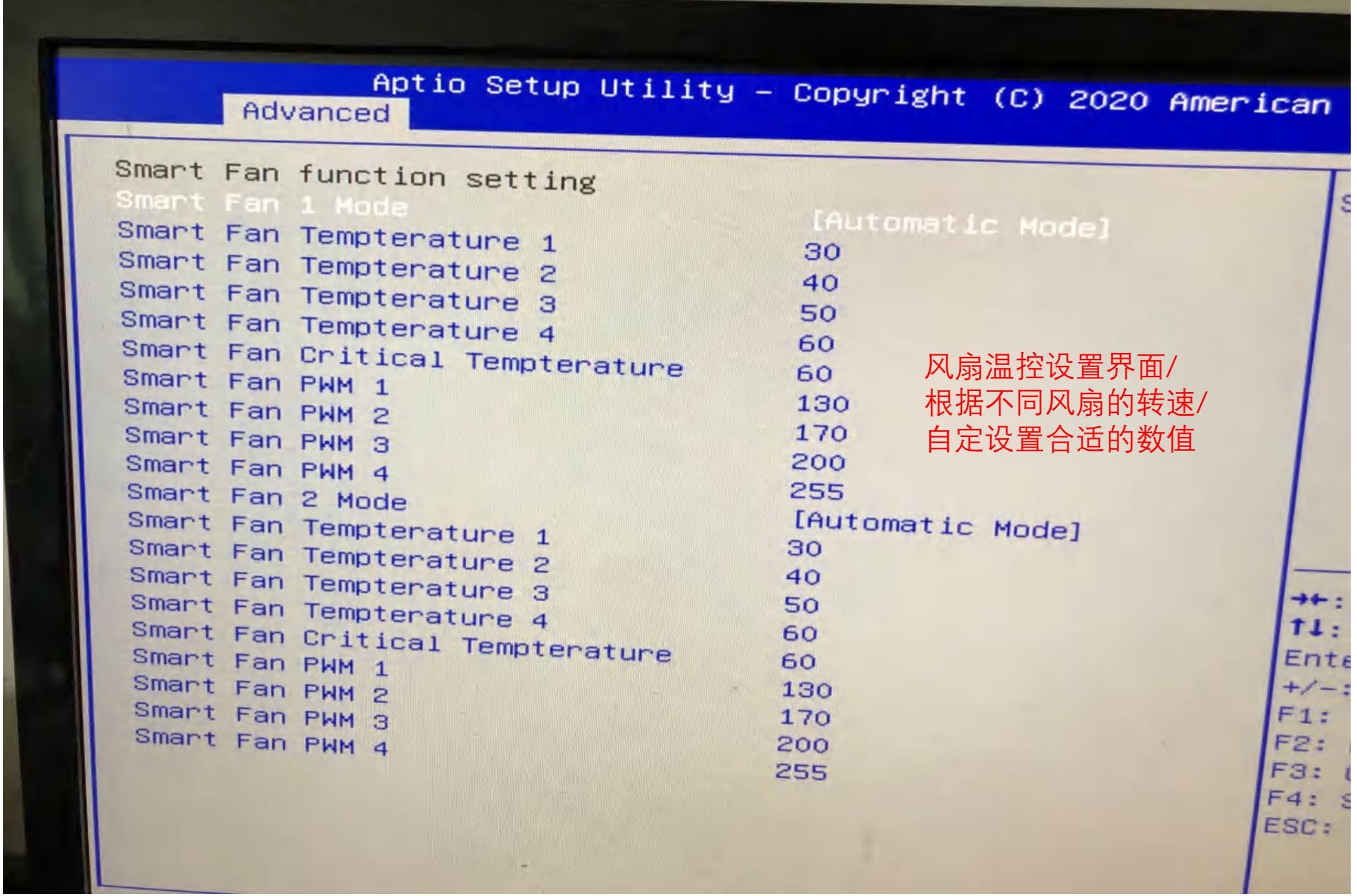
AC启动



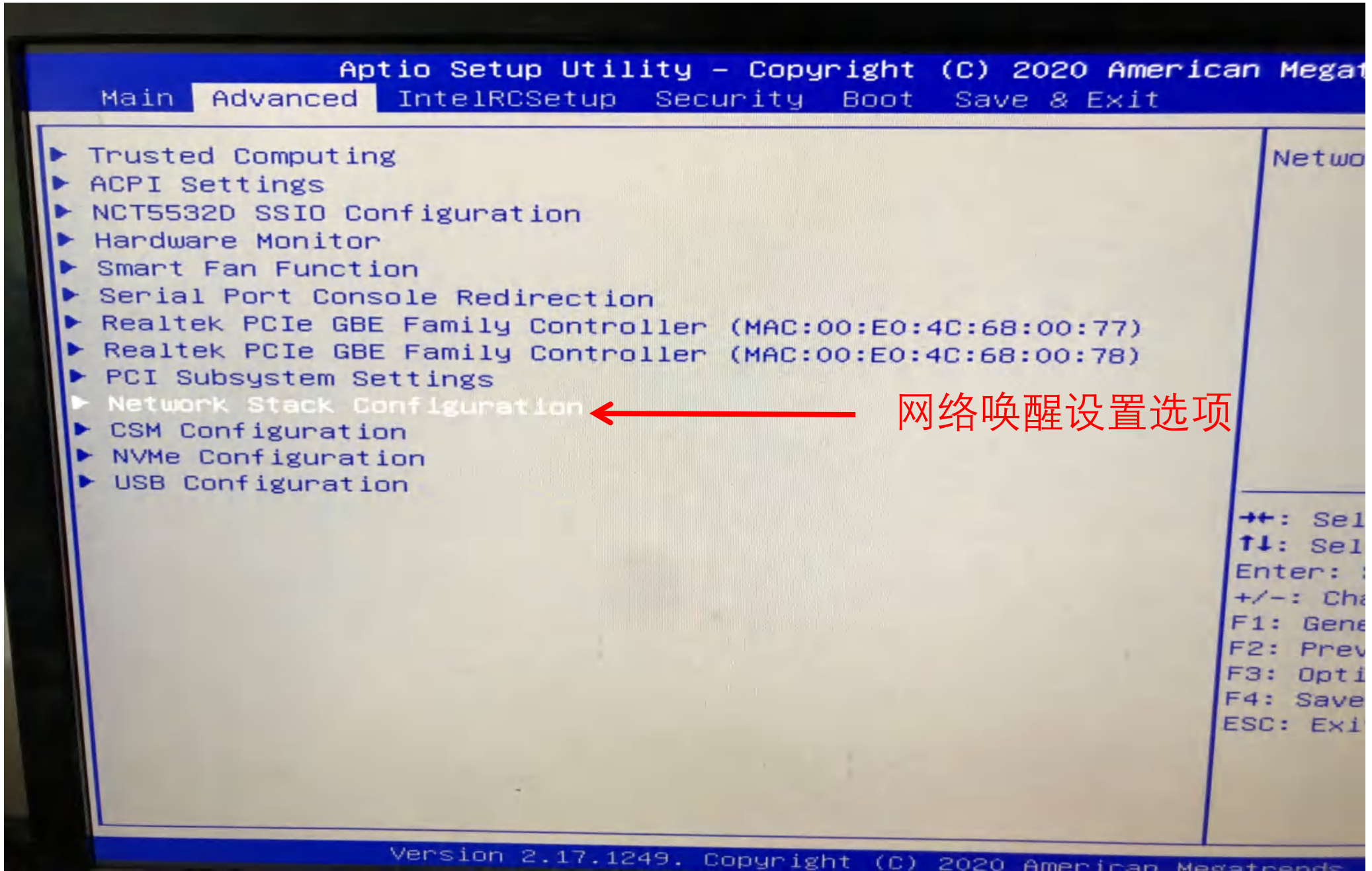

Aptio Setup Utility – Copyright (C) 2020 American
Advanced
NCT5532D SSIO Configuration
Super IO Chip
NCT5532D
AC Power Loss
[Power Off]
Serial Port 1 Configuration
关
开
AC Power Loss
Power Off
Power On
Last State
将电脑恢复到断电或中断发生之前的状态
Ent
+/-
F1:
F2:
F3:
F4:
ESC:

风扇调速步骤


Aptio Setup Utility – Copyright (C) 2020 American M
Main
Advanced
IntelRCSetup
Security
Boot
Save & Exit
Trusted Computing
ACPI Settings
NCT5532D SSIO Configuration
Hardware Monitor
Smart Fan Function
Serial Port Console Redirection
Realtek PCIe GBE Family Controller (MAC:00:E0:4C:68:00:77)
Realtek PCIe GBE Family Controller (MAC:00:E0:4C:68:00:78)
PCI Subsystem Settings
Network Stack Configuration
CSM Configuration
NVMe Configuration
USB Configuration
风扇设置选项


Aptio Setup Utility – Copyright (C) 2020 American
Advanced
Smart Fan function setting
Smart Fan 1 Mode [Automatic Mode]
Smart Fan Tempterature 1 30
Smart Fan Temperature 2 40
Smart Fan Temperature 3 50
Smart Fan Temperature 4 60
Smart Fan Critical Temperature 60
Smart Fan PWM 1 130
Smart Fan PWM 2 170
Smart Fan PWM 3 200
Smart Fan PWM 4 255
Smart Fan 2 Mode [Automatic Mode]
Smart Fan Temperature 1 30
Smart Fan Temperature 2 40
Smart Fan Temperature 3 50
Smart Fan Temperature 4 60
Smart Fan Critical Temperature 60
Smart Fan PWM 1 130
Smart Fan PWM 2 170
Smart Fan PWM 3 200
Smart Fan PWM 4 255
风扇温控设置界面/
根据不同风扇的转速/
自定设置合适的数值

主板网络唤醒设置


Aptio Setup Utility – Copyright (C) 2020 American Megat
Main
Advanced
IntelRCSetup
Security
Boot
Save & Exit
Trusted Computing
ACPI Settings
NCT5532D SSIO Configuration
Hardware Monitor
Smart Fan Function
Serial Port Console Redirection
Realtek PCIe GBE Family Controller (MAC:00:E0:4C:68:00:77)
Realtek PCIe GBE Family Controller (MAC:00:E0:4C:68:00:78)
PCI Subsystem Settings
Network Stack Configuration
CSM Configuration
NVMe Configuration
USB Configuration
网络唤醒设置选项
Netwo
→←: Sel
↑↓: Sel
Enter:
+/-: Cha
F1: Gene
F2: Prev
F3: Opti
F4: Save
ESC: Exi
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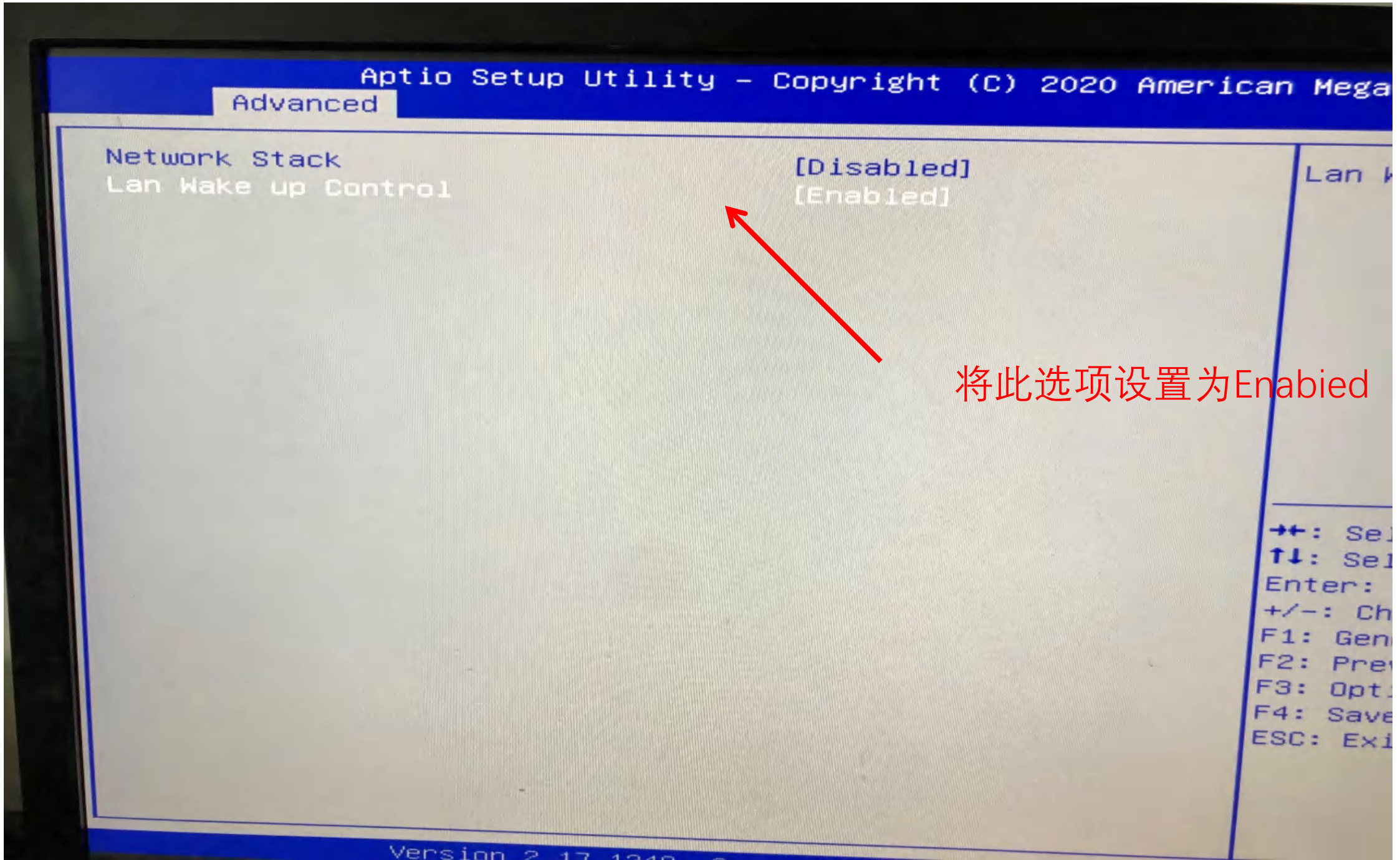
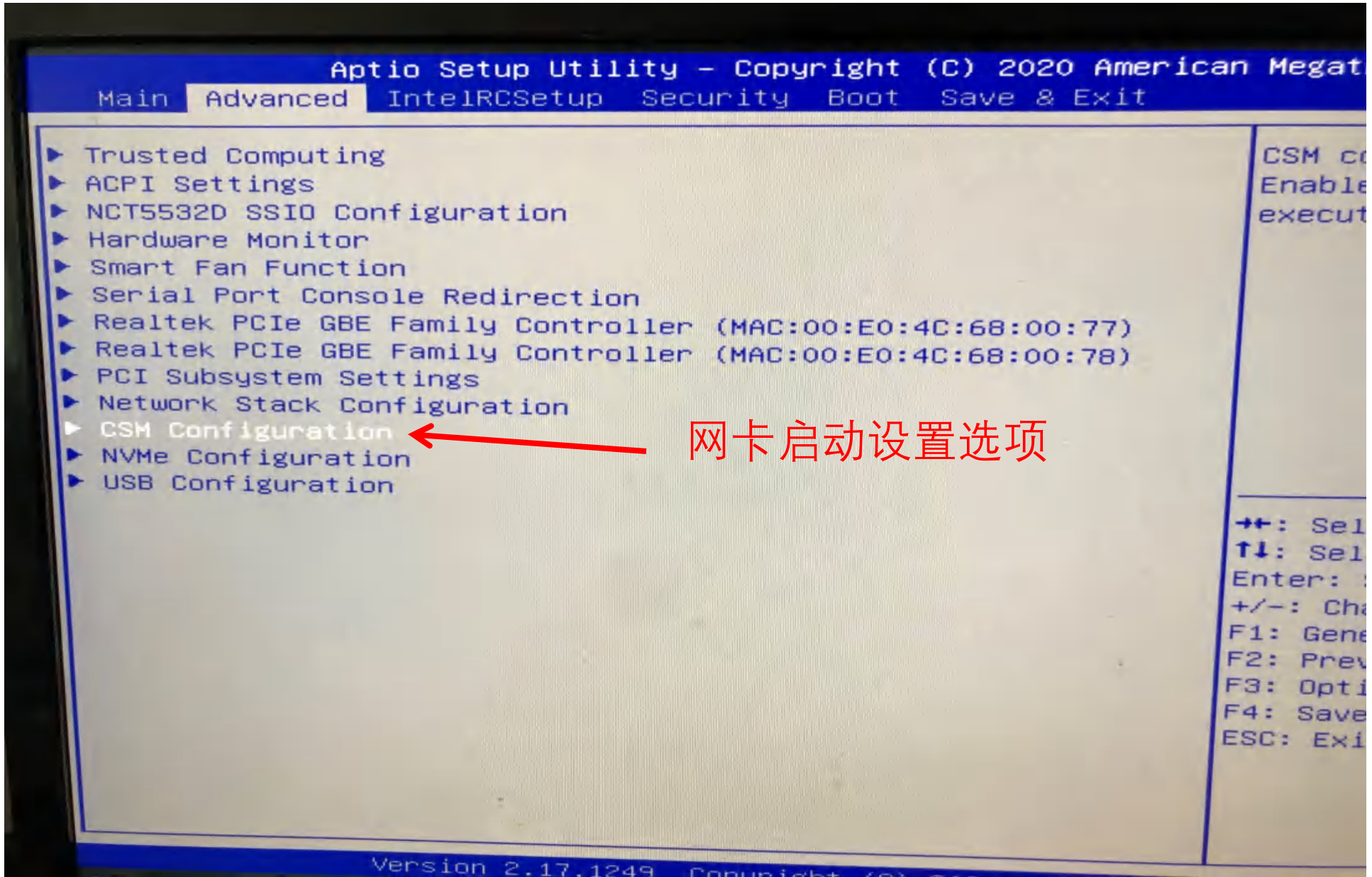

Aptio Setup Utility – Copyright (C) 2020 American Mega
Advanced
Network Stack
Lan Wake up Control
[Disabled]
[Enabled]
Lan
将此选项设置为Enabied
Enter:
F1:
F2:
F3:
F4:
ESC:

主板网卡启动


Aptio Setup Utility – Copyright (C) 2020 American Megat
Main Advanced IntelRCSetup Security Boot Save & Exit
Trusted Computing
ACPI Settings
NCT5532D SSIO Configuration
Hardware Monitor
Smart Fan Function
Serial Port Console Redirection
Realtek PCIe GBE Family Controller (MAC:00:E0:4C:68:00:77)
Realtek PCIe GBE Family Controller (MAC:00:E0:4C:68:00:78)
PCI Subsystem Settings
Network Stack Configuration
CSM Configuration
NVMe Configuration
USB Configuration
网卡启动设置选项
CSM c
Enable
execut
→←: Sel
↑↓: Sel
Enter:
+/-: Cha
F1: Gene
F2: Prev
F3: Opti
F4: Save
ESC: Exi
Version 2.17.1249

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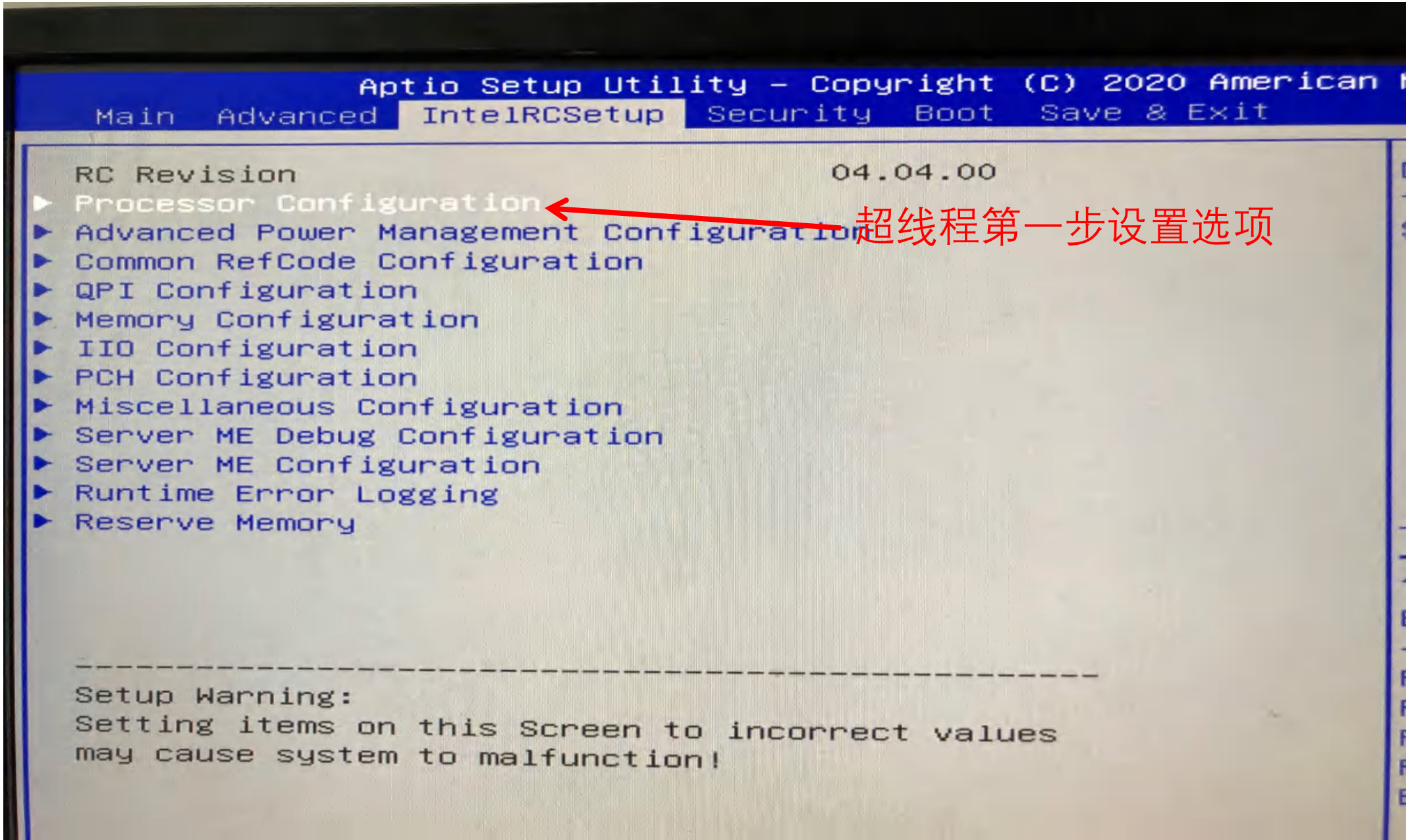
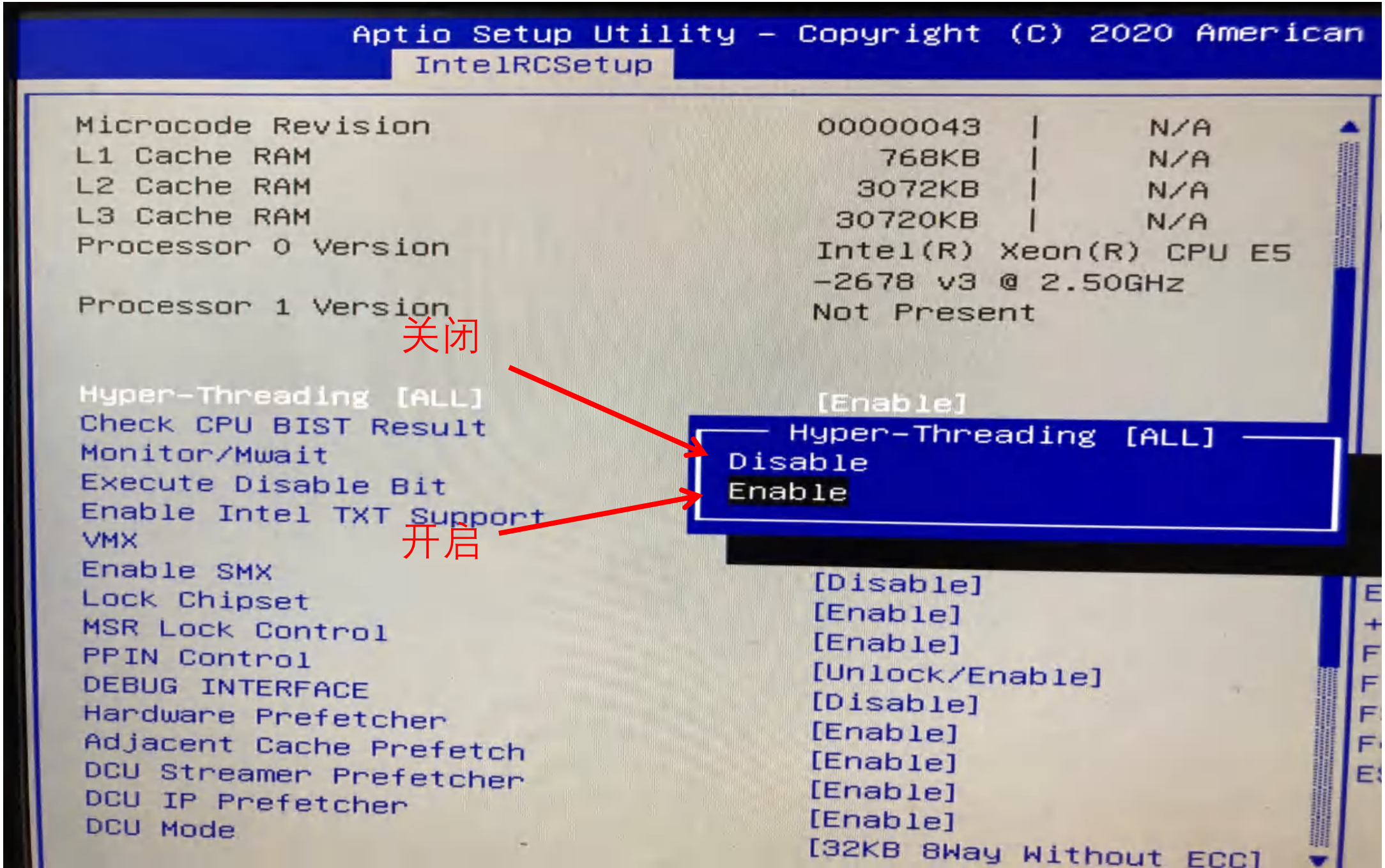
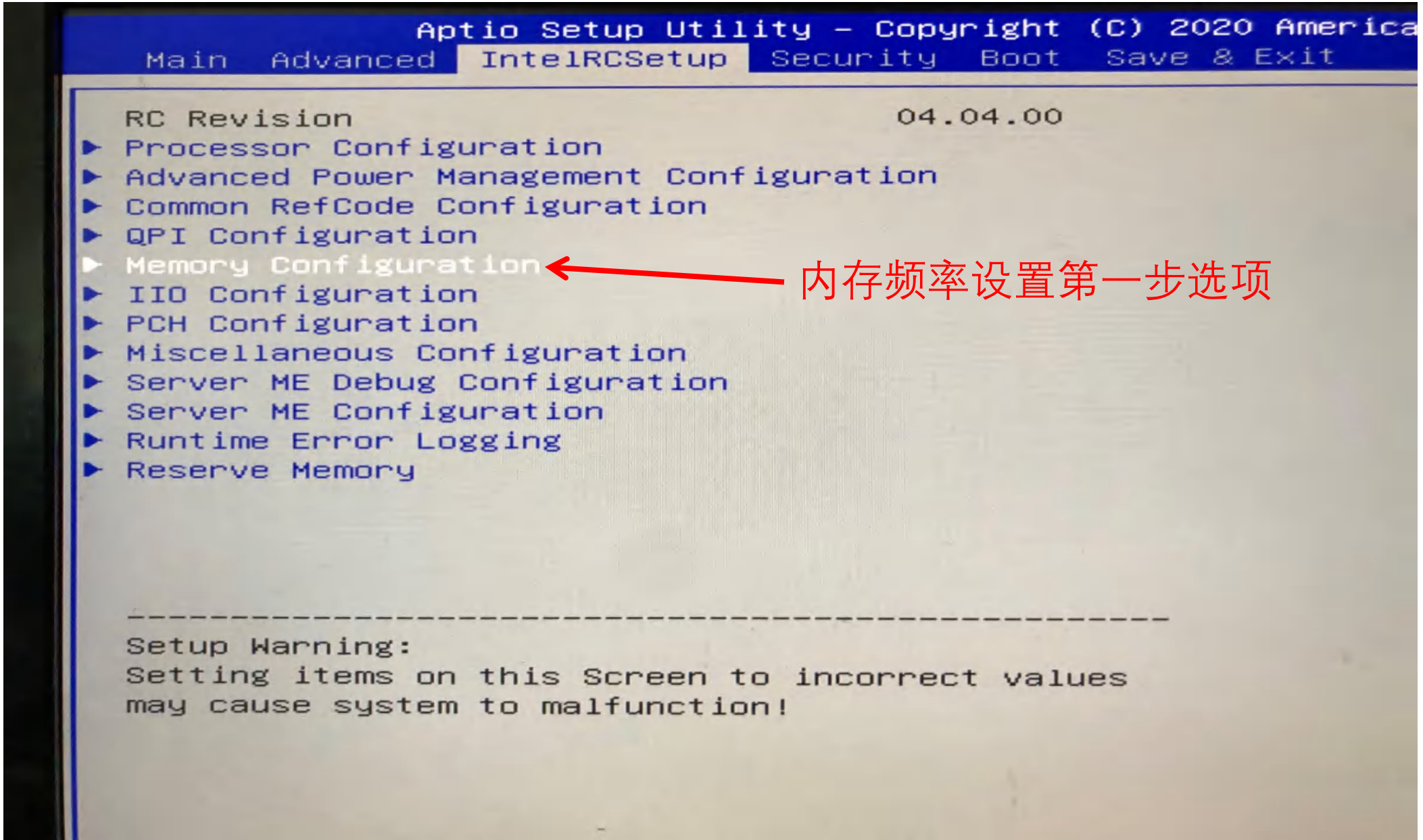
Advanced
Compatibility Support Module Configuration
CSM Support
[Enabled]
CSM16 Module Version
07.79
GateA20 Active
[Upon Request]
Option ROM Messages
[Force BIOS]
Boot option filter
[UEFI and Legacy]
Option ROM execution
Network
Storage
Video
Other PCI devices
Network
Do not launch
UEFI
Legacy
[UEFI]
将此选项设置成Legacy
Contr
and L
→←: Sel
↑↓: Sel
Enter:
+/-: Cha
F1: Gene
F2: Prev
F3: Opti
F4: Save
ESC: Exi

超线程


Aptio Setup Utility – Copyright (C) 2020 American
Main Advanced IntelRCSetup Security Boot Save & Exit
RC Revision 04.04.00
Processor Configuration
Advanced Power Management Configuration
Common RefCode Configuration
QPI Configuration
Memory Configuration
IIO Configuration
PCH Configuration
Miscellaneous Configuration
Server ME Debug Configuration
Server ME Configuration
Runtime Error Logging
Reserve Memory
Setup Warning:
Setting items on this Screen to incorrect values
may cause system to malfunction!
超线程第一步设置选项

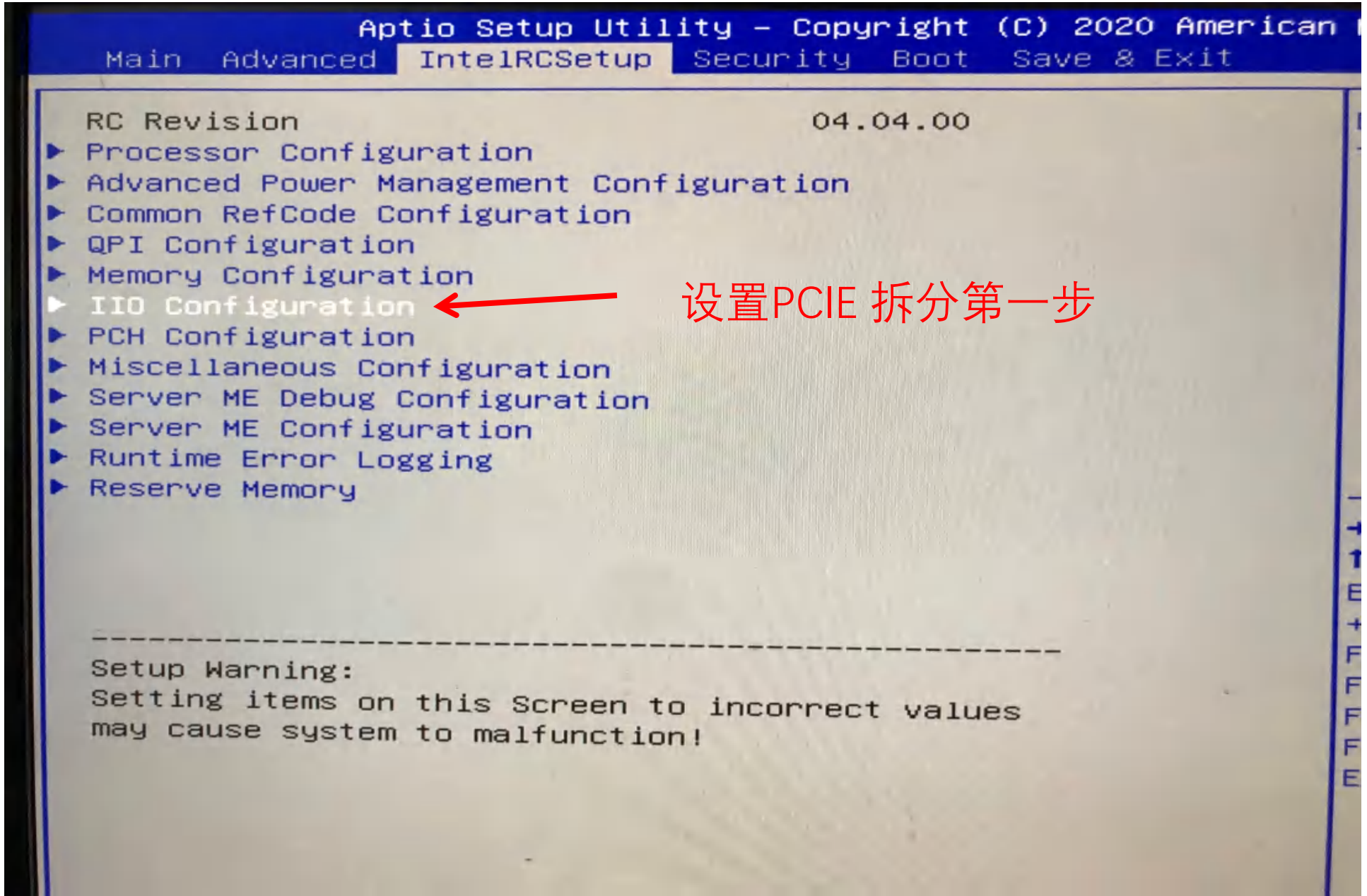

Aptio Setup Utility – Copyright (C) 2020 American
IntelRCSetup
Microcode Revision 00000043 | N/A
L1 Cache RAM 768KB | N/A
L2 Cache RAM 3072KB | N/A
L3 Cache RAM 30720KB | N/A
Processor 0 Version Intel(R) Xeon(R) CPU E5
-2678 v3 @ 2.50GHz
Processor 1 Version Not Present
关闭
Hyper-Threading [ALL] [Enable]
Check CPU BIST Result
Monitor/Mwait
Execute Disable Bit
Enable Intel TXT Support
VMX
Enable SMX
Lock Chipset
MSR Lock Control
PPIN Control
DEBUG INTERFACE
Hardware Prefetcher
Adjacent Cache Prefetch
DCU Streamer Prefetcher
DCU IP Prefetcher
DCU Mode
开启
Hyper-Threading [ALL]
Disable
Enable
[Disable]
[Enable]
[Enable]
[Unlock/Enable]
[Disable]
[Enable]
[Enable]
[Enable]
[Enable]
[32KB 8Way Without ECC]

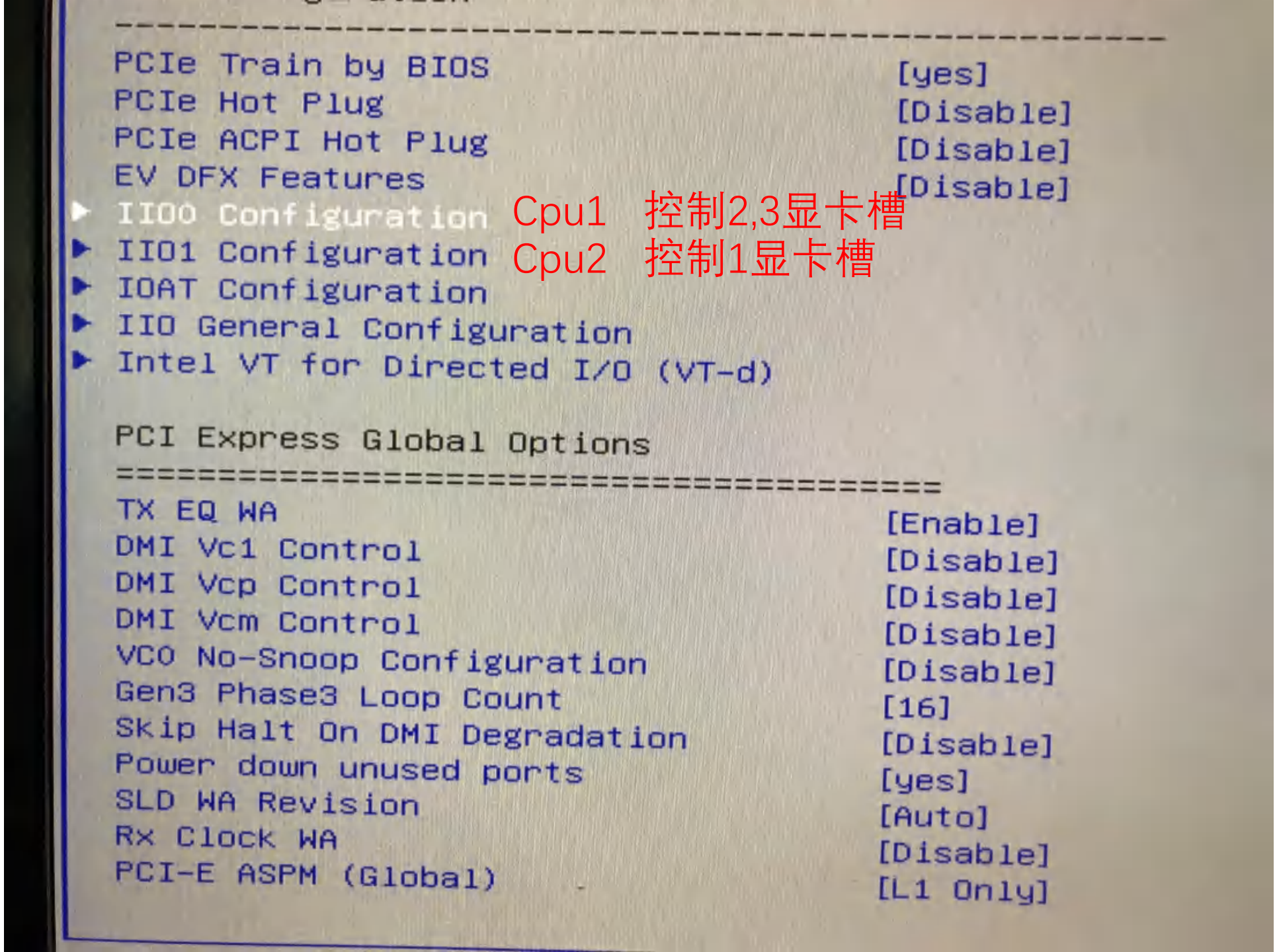
内存频率

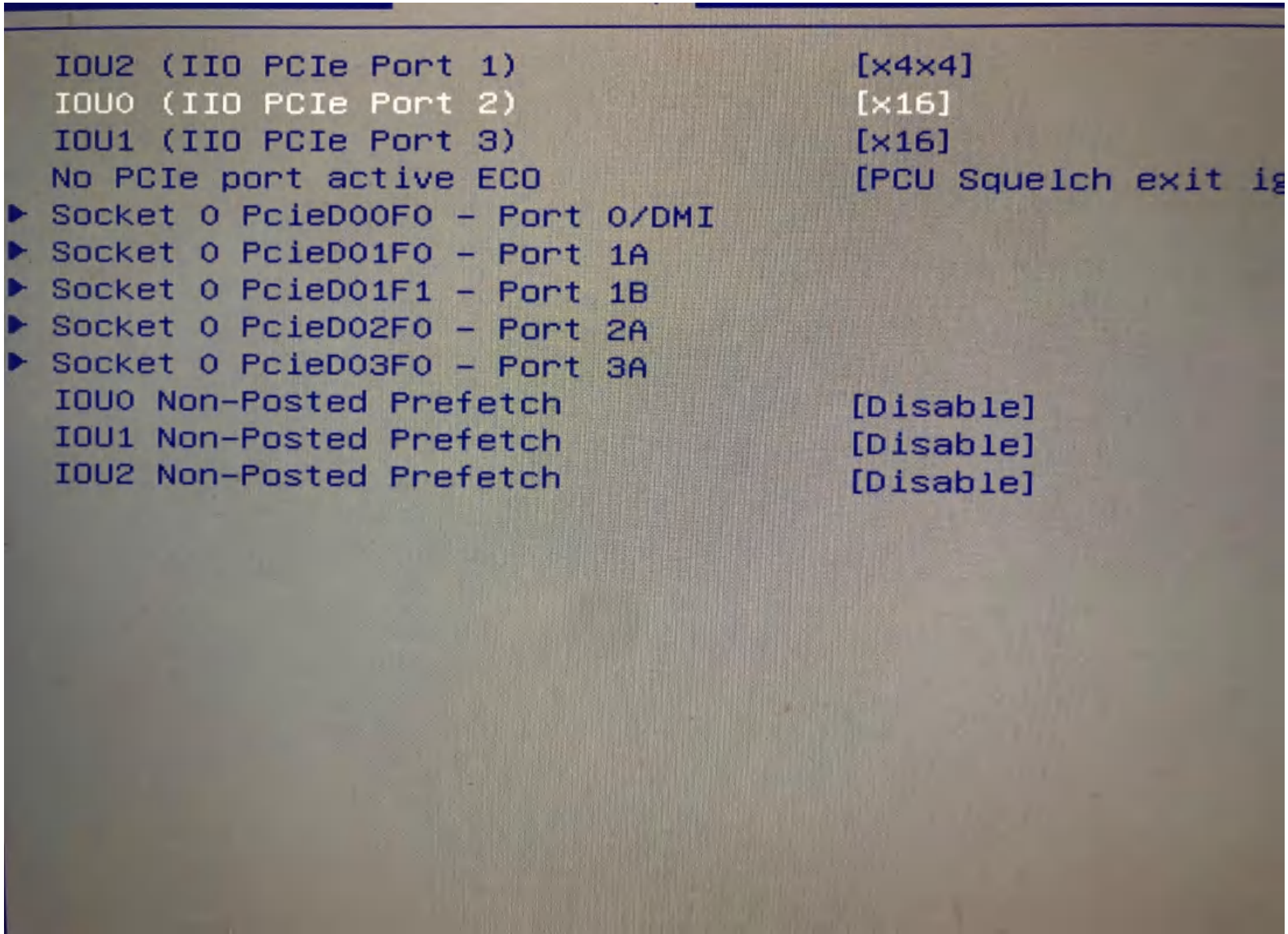

Aptio Setup Utility – Copyright (C) 2020 America
Main Advanced IntelRCSetup Security Boot Save & Exit
RC Revision 04.04.00
Processor Configuration
Advanced Power Management Configuration
Common RefCode Configuration
QPI Configuration
Memory Configuration
IIO Configuration
PCH Configuration
Miscellaneous Configuration
Server ME Debug Configuration
Server ME Configuration
Runtime Error Logging
Reserve Memory
Setup Warning:
Setting items on this Screen to incorrect values
may cause system to malfunction!
内存频率设置第一步选项

Aptio Setup Utility – Copyright (C) 2020 American
IntelRCSetup
Integrated Memory Controller (iMC
Enforce POR
PPR Type
PPR Error Injection test
Memory Frequency
DDR3 Voltage Level
MRC Promote Warnings
Promote Warnings
Halt on mem Training Error
Multi-Threaded MRC
Enforce Timeout
Enhanced Log Parsing
BSSA Module Loader
Backside RMT
Rank Multiplication
LRDIMM Module Delay
MemTest
MemTestLoops
Dram Maintenance Test
Dram Maintenance Test Direction
Dram Maintenance Test Invertion
Dram Maintenance Test Repetitions
3
Memory Frequency
Auto
800
1000
1067
1200
1333
1400
1600
1800
1867
2000
2133
2200
2400
2600
2667
Reserved
Reserved
Reserved
根据内存实际
的频率进行设置

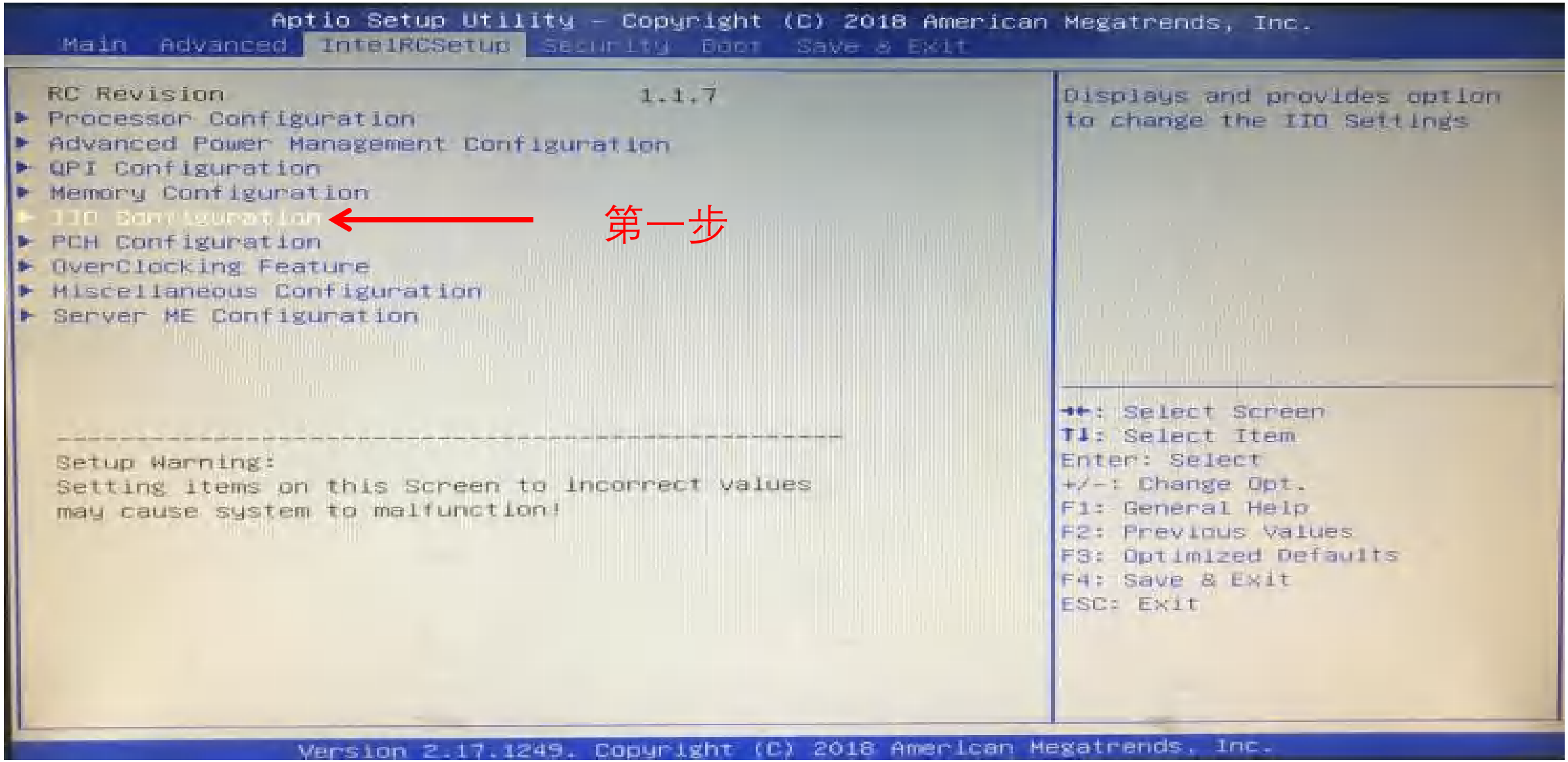
PCIE拆分


Aptio Setup Utility – Copyright (C) 2020 American
Main Advanced IntelRCSetup Security Boot Save & Exit
RC Revision 04.04.00
Processor Configuration
Advanced Power Management Configuration
Common RefCode Configuration
QPI Configuration
Memory Configuration
IIO Configuration
PCH Configuration
Miscellaneous Configuration
Server ME Debug Configuration
Server ME Configuration
Runtime Error Logging
Reserve Memory
Setup Warning:
Setting items on this Screen to incorrect values
may cause system to malfunction!
设置PCIE 拆分第一步


PCIe Train by BIOS [yes]
PCIe Hot Plug [Disable]
PCIe ACPI Hot Plug [Disable]
EV DFX Features [Disable]
IIO0 Configuration
IIO1 Configuration
IOAT Configuration
IIO General Configuration
Intel VT for Directed I/O (VT-d)
Cpu1 控制2,3显卡槽
Cpu2 控制1显卡槽
PCI Express Global Options
TX EQ WA [Enable]
DMI Vc1 Control [Disable]
DMI Vcp Control [Disable]
DMI Vcm Control [Disable]
VC0 No-Snoop Configuration [Disable]
Gen3 Phase3 Loop Count [16]
Skip Halt On DMI Degradation [Disable]
Power down unused ports [yes]
SLD WA Revision [Auto]
Rx Clock WA [Disable]
PCI-E ASPM (Global) [L1 Only]


IOU2 (IIO PCIe Port 1) [x4x4]
IOU0 (IIO PCIe Port 2) [x16]
IOU1 (IIO PCIe Port 3) [x16]
No PCIe port active ECO [PCU Squelch exit ig
▶ Socket 0 PcieD00F0 - Port 0/DMI
▶ Socket 0 PcieD01F0 - Port 1A
▶ Socket 0 PcieD01F1 - Port 1B
▶ Socket 0 PcieD02F0 - Port 2A
▶ Socket 0 PcieD03F0 - Port 3A
IOU0 Non-Posted Prefetch [Disable]
IOU1 Non-Posted Prefetch [Disable]
IOU2 Non-Posted Prefetch [Disable]

VT-D设置


Aptio Setup Utility – Copyright (C) 2018 American Megatrends, Inc.
Main Advanced IntelRCSetup Security Boot Save & Exit
RC Revision 1.1.7
Processor Configuration
Advanced Power Management Configuration
QPI Configuration
Memory Configuration
IIO Configuration
PCH Configuration
OverClocking Feature
Miscellaneous Configuration
Server ME Configuration
第一步
Setup Warning:
Setting items on this Screen to incorrect values
may cause system to malfunction!
Displays and provides option
to change the IIO Settings
→←: Select Screen
↑↓: Select Item
Enter: Select
+/-: Change Opt.
F1: General Help
F2: Previous Values
F3: Optimized Defaults
F4: Save & Exit
ESC: Exit
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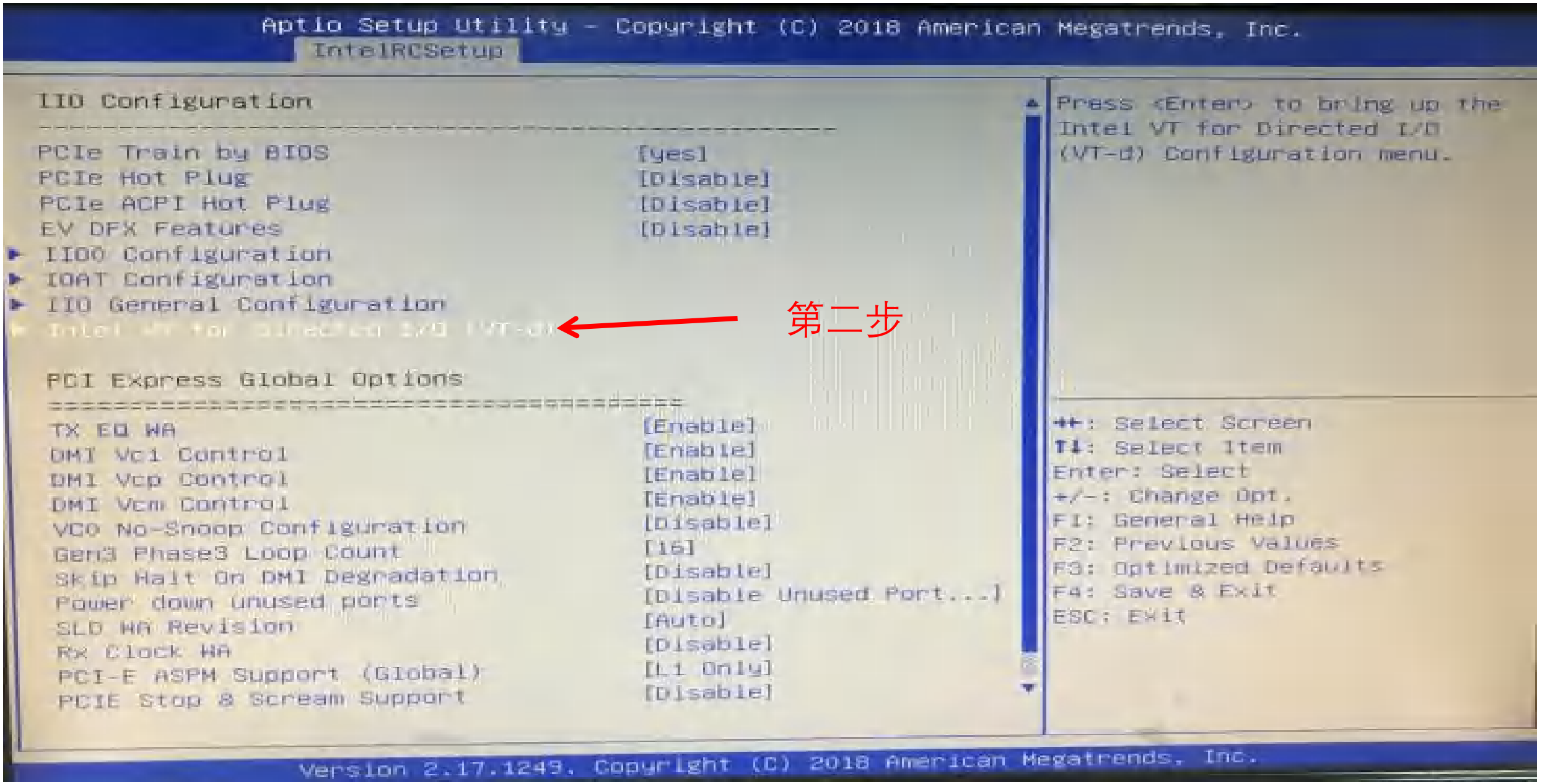
Aptio Setup Utility – Copyright (C) 2018 American Megatrends, Inc.
IntelRCSetup
IIO Configuration
PCIe Train by BIOS [yes]
PCIe Hot Plug [Disable]
PCIe ACPI Hot Plug [Disable]
EV DFX Features [Disable]
IIO0 Configuration
IOAT Configuration
IIO General Configuration
Intel VT for Directed I/O (VT-d)
PCI Express Global Options
TX EQ WA [Enable]
DMI Vc1 Control [Enable]
DMI Vcp Control [Enable]
DMI Vcm Control [Enable]
VC0 No-Snoop Configuration [Disable]
Gen3 Phase3 Loop Count [16]
Skip Halt On DMI Degradation [Disable]
Power down unused ports [Disable Unused Port...]
SLD WA Revision [Auto]
Rx Clock WA [Disable]
PCI-E ASPM Support (Global) [L1 Only]
PCIE Stop & Scream Support [Disable]
Press <Enter> to bring up the Intel VT for Directed I/O (VT-d) Configuration menu.
→←: Select Screen
↑↓: Select Item
Enter: Select
+/-: Change Opt.
F1: General Help
F2: Previous Values
F3: Optimized Defaults
F4: Save & Exit
ESC: Exit
第二步
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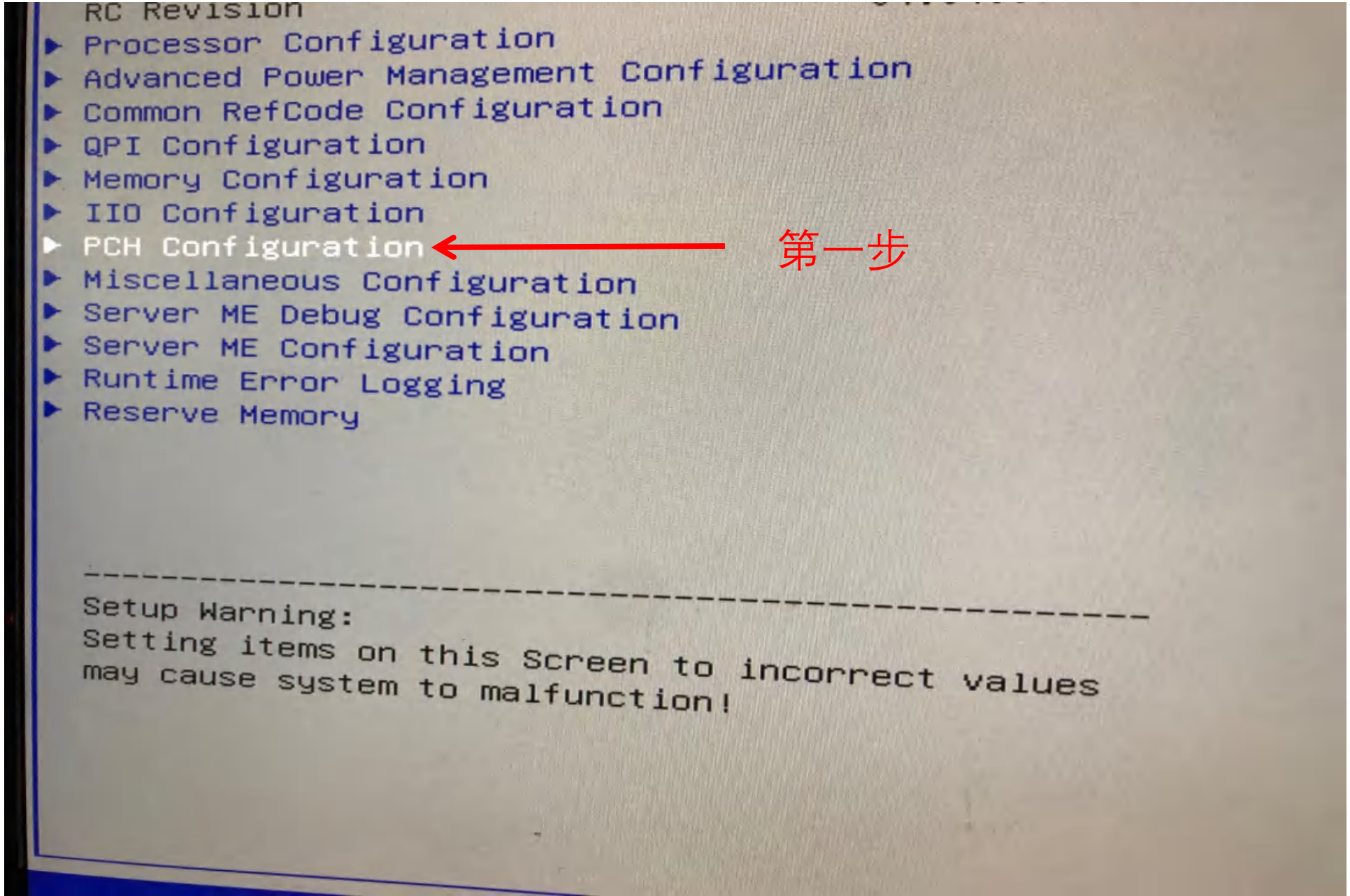
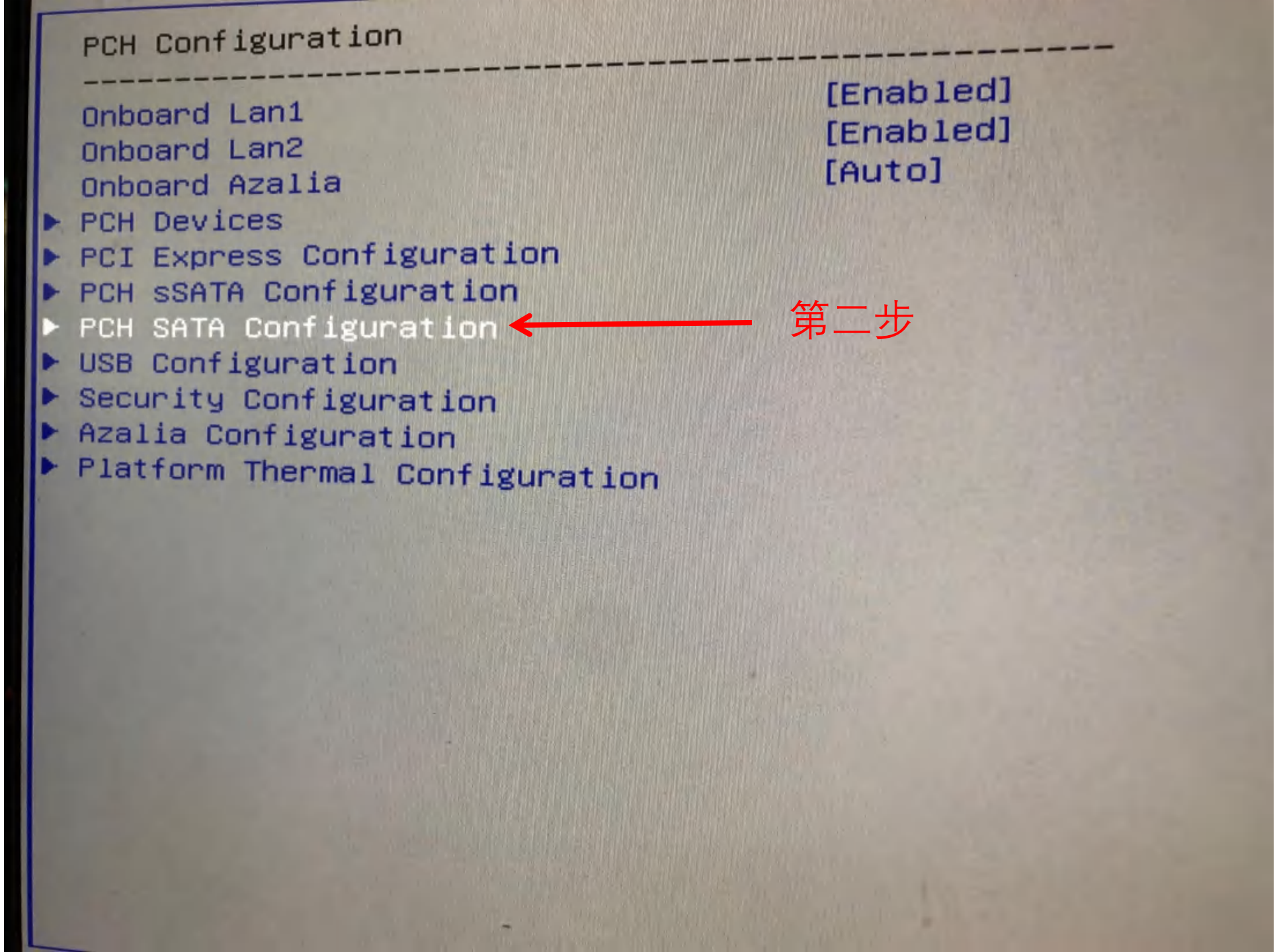
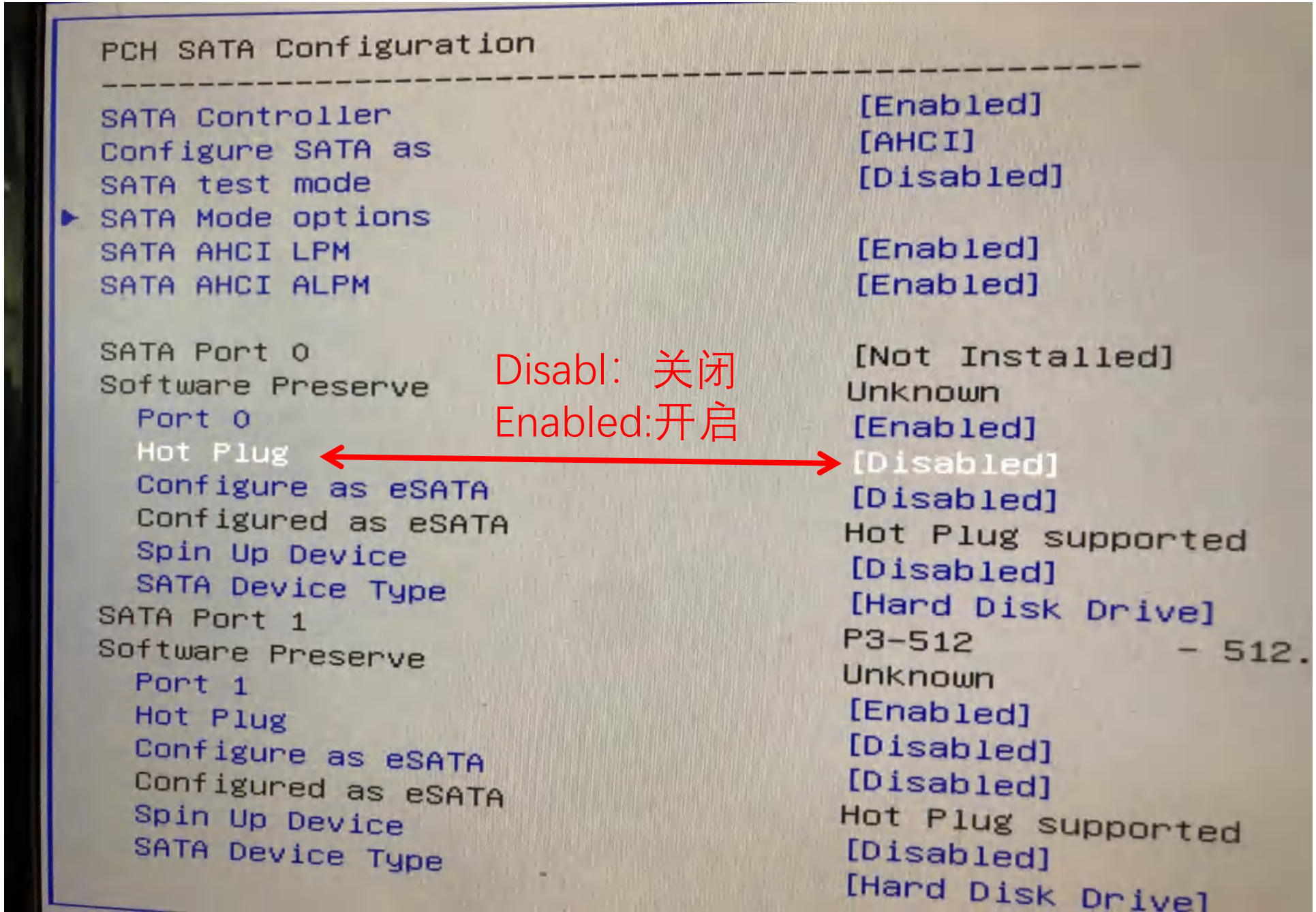
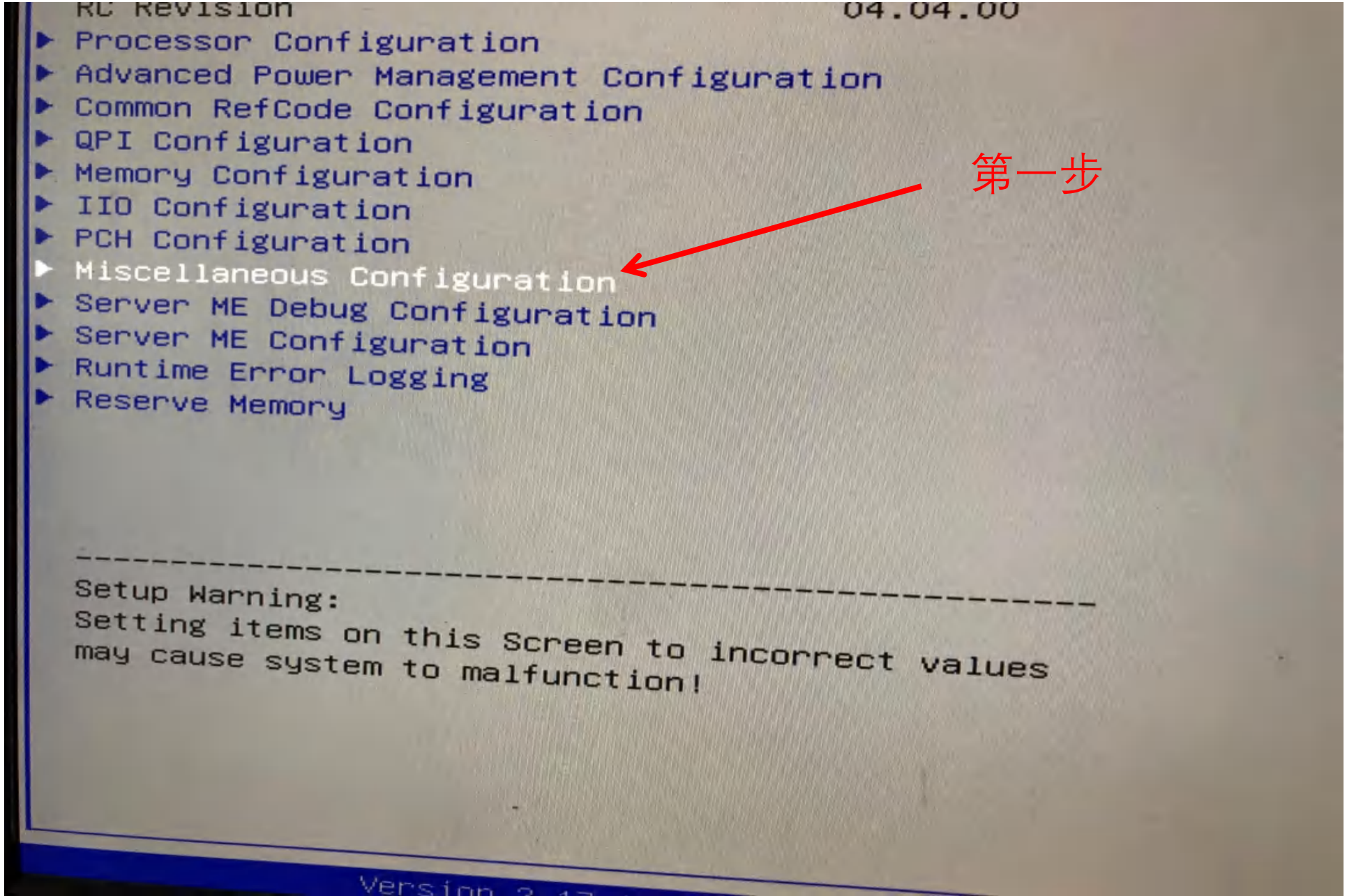
硬盘热插拔

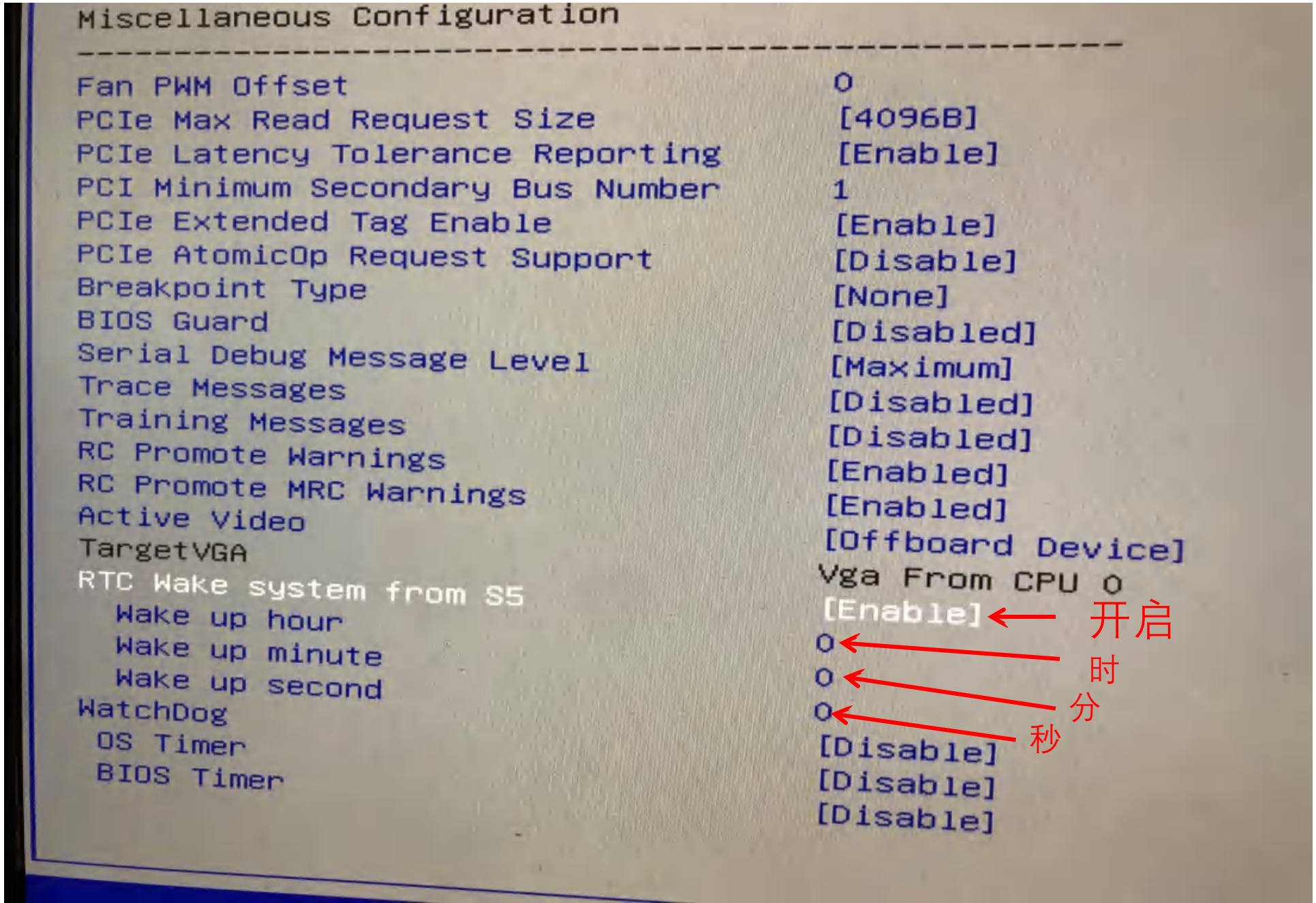

RC Revision
Processor Configuration
Advanced Power Management Configuration
Common RefCode Configuration
QPI Configuration
Memory Configuration
IIO Configuration
PCH Configuration
Miscellaneous Configuration
Server ME Debug Configuration
Server ME Configuration
Runtime Error Logging
Reserve Memory
第一步
Setup Warning:
Setting items on this Screen to incorrect values
may cause system to malfunction!


PCH Configuration
Onboard Lan1 [Enabled]
Onboard Lan2 [Enabled]
Onboard Azalia [Auto]
PCH Devices
PCI Express Configuration
PCH sSATA Configuration
PCH SATA Configuration
USB Configuration
Security Configuration
Azalia Configuration
Platform Thermal Configuration
第二步


PCH SATA Configuration
SATA Controller [Enabled]
Configure SATA as [AHCI]
SATA test mode [Disabled]
SATA Mode options
SATA AHCI LPM [Enabled]
SATA AHCI ALPM [Enabled]
SATA Port 0 [Not Installed]
Software Preserve Unknown
Port 0 [Enabled]
Hot Plug [Disabled]
Configure as eSATA [Disabled]
Configured as eSATA Hot Plug supported
Spin Up Device [Disabled]
SATA Device Type [Hard Disk Drive]
SATA Port 1 P3-512 - 512.
Software Preserve Unknown
Port 1 [Enabled]
Hot Plug [Disabled]
Configure as eSATA [Disabled]
Configured as eSATA Hot Plug supported
Spin Up Device [Disabled]
SATA Device Type [Hard Disk Drive]
Disabl：关闭
Enabled:开启

定时开机


RC Revision 04.04.00
Processor Configuration
Advanced Power Management Configuration
Common RefCode Configuration
QPI Configuration
Memory Configuration
IIO Configuration
PCH Configuration
Miscellaneous Configuration
Server ME Debug Configuration
Server ME Configuration
Runtime Error Logging
Reserve Memory
Setup Warning:
Setting items on this Screen to incorrect values
may cause system to malfunction!
第一步


Miscellaneous Configuration
Fan PWM Offset
PCIe Max Read Request Size
PCIe Latency Tolerance Reporting
PCI Minimum Secondary Bus Number
PCIe Extended Tag Enable
PCIe AtomicOp Request Support
Breakpoint Type
BIOS Guard
Serial Debug Message Level
Trace Messages
Training Messages
RC Promote Warnings
RC Promote MRC Warnings
Active Video
TargetVGA
RTC Wake system from S5
Wake up hour
Wake up minute
Wake up second
WatchDog
OS Timer
BIOS Timer
0
[4096B]
[Enable]
1
[Enable]
[Disable]
[None]
[Disabled]
[Maximum]
[Disabled]
[Disabled]
[Enabled]
[Enabled]
[Offboard Device]
Vga From CPU 0
[Enable]
0
0
0
[Disable]
[Disable]
[Disable]
开启
时
分
秒