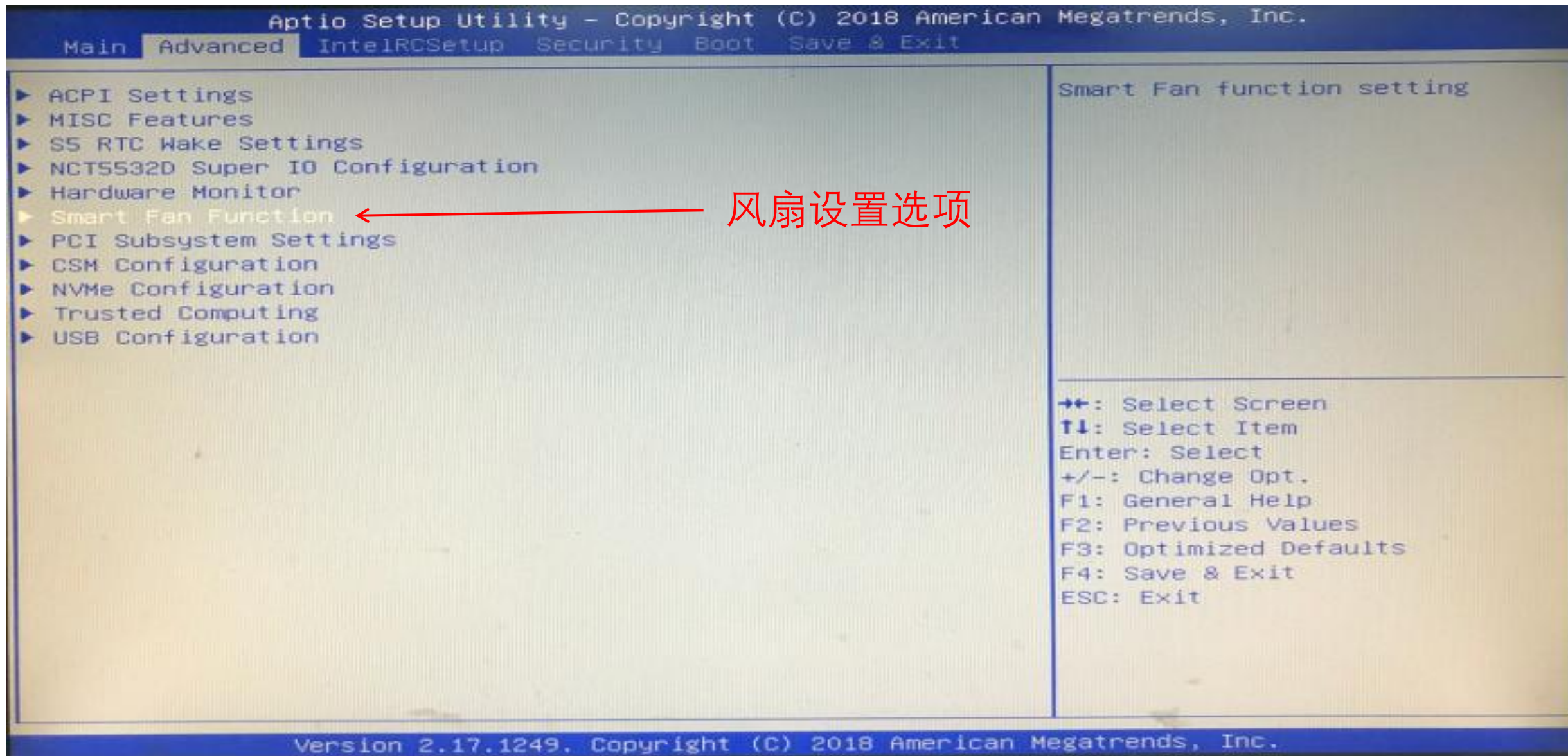


Delete/Esc为进入BIOS键 F4为保存键 F7为快捷启动键

HUANANZHI X99-AD3  
GAMING

## 风扇调速步骤



Advanced

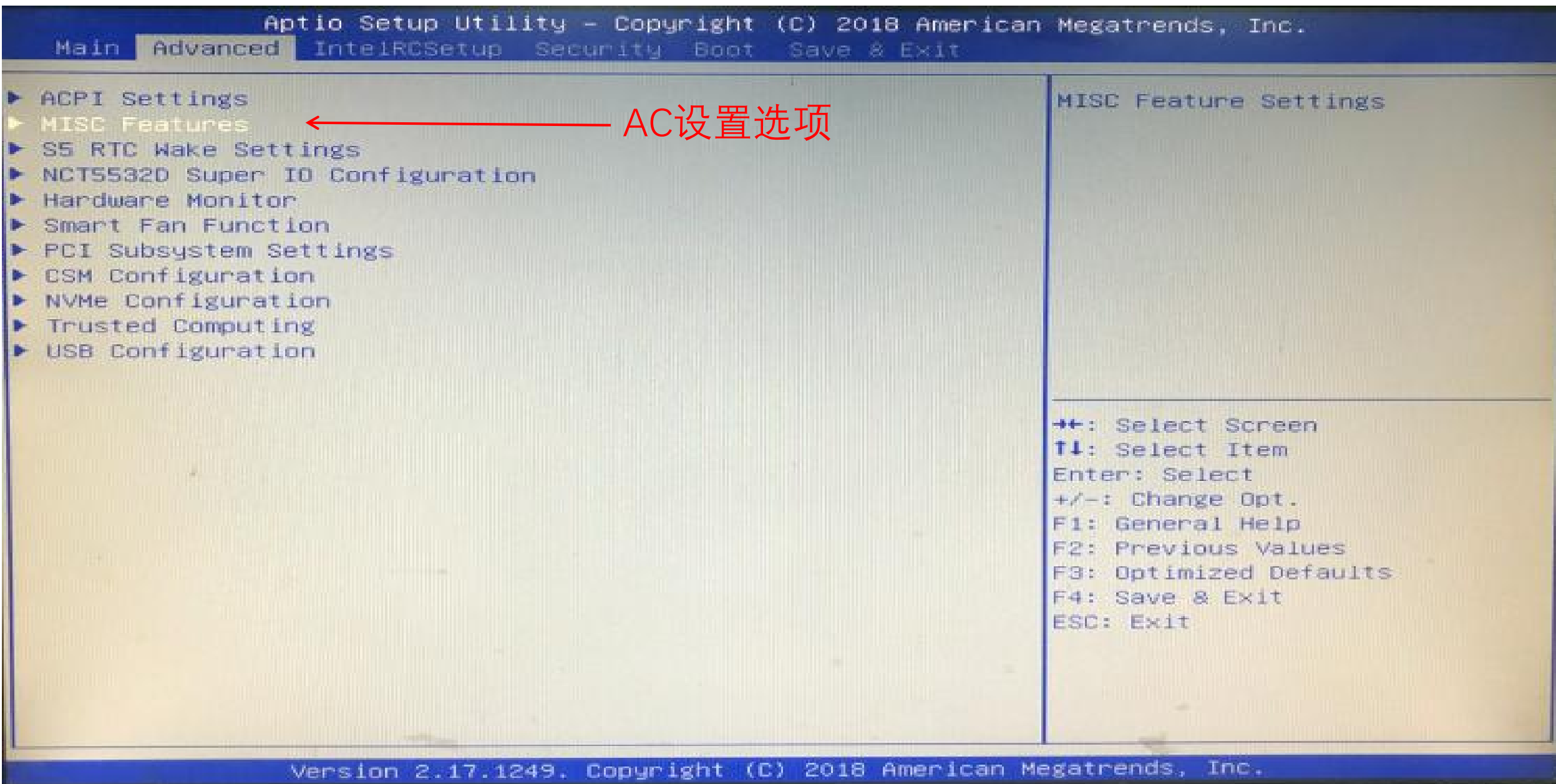
Smart Fan 1 Mode	[Automatic Mode]
Smart Fan Temperature 1	35
Smart Fan Temperature 2	40
Smart Fan Temperature 3	45
Smart Fan Temperature 4	55
Smart Fan Critical Temperature	70
Smart Fan PWM 1	0
Smart Fan PWM 2	70
Smart Fan PWM 3	100
Smart Fan PWM 4	200
Fan work mode with critical	[Full Mode]
Temperature Tolerance	3
Smart Fan 2 Mode	[Automatic Mode]
Smart Fan Temperature 1	35
Smart Fan Temperature 2	40
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 1 Mode Select

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

++: Select Screen  
 ↑↓: Select Item  
 Enter: Select  
 +/-: Change Opt.  
 F1: General Help  
 F2: Previous Values  
 F3: Optimized Defaults  
 F4: Save & Exit  
 ESC: Exit

# AC启动设置



Advanced

MISC Feature Settings

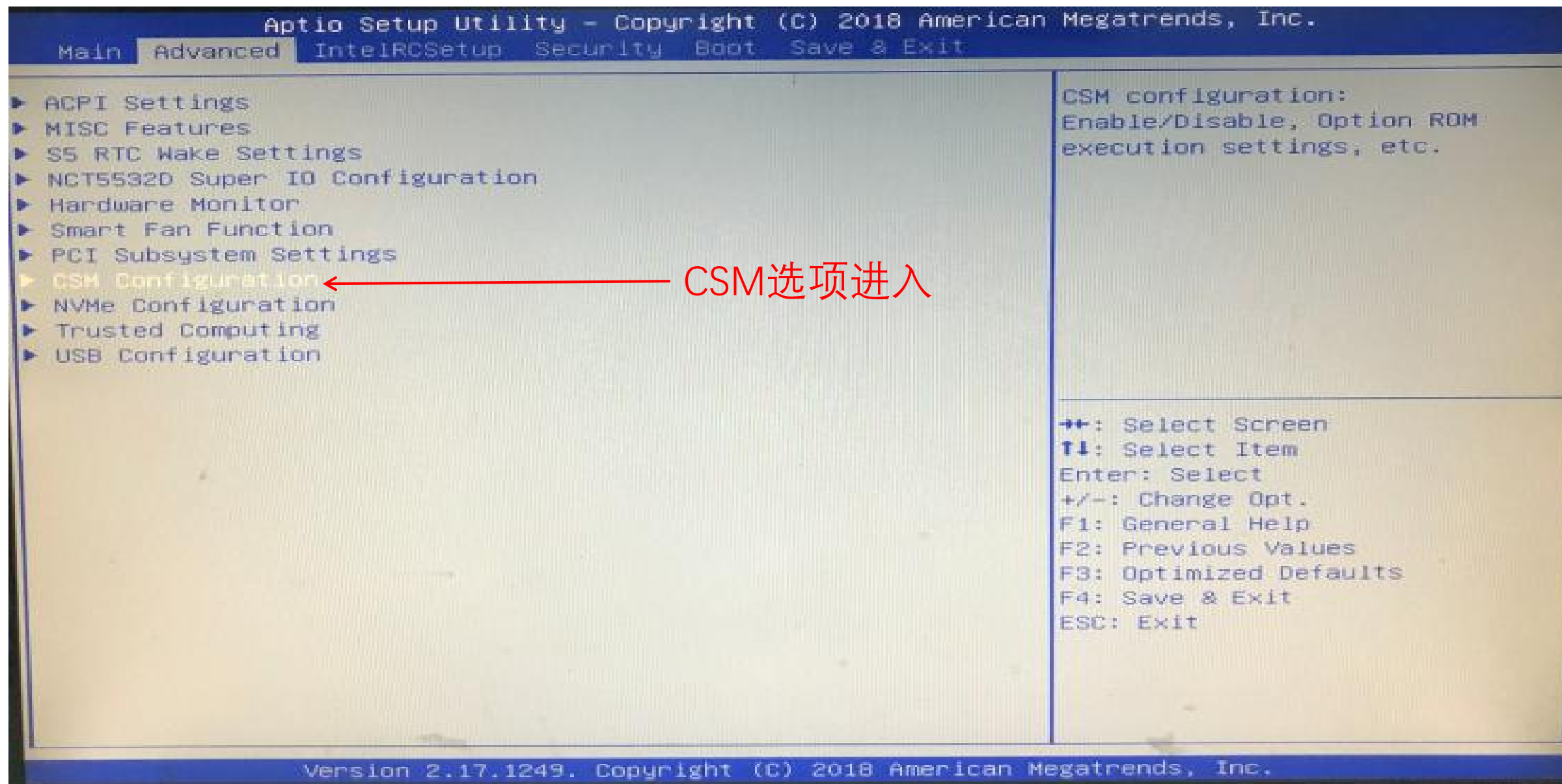
Power Loss [Power Off]

Power Loss  
Power Off  
Power On  
Last State

AC 开启/关闭界面 on为开启  
/off为关闭

←→: Select Screen  
↑↓: Select Item  
Enter: Select  
+/-: Change Opt.  
F1: General Help  
F2: Previous Values  
F3: Optimized Defaults  
F4: Save & Exit  
ESC: Exit

# 网卡启动设置



Advanced

Compatibility Support Module Configuration

CSM Support [Enabled]

CSM16 Module Version 07.76

GateA20 Active [Upon Request]

Option ROM Messages [Keep Current]

Boot option filter [UEFI and Legacy]

Option ROM execution

Network

Storage

Video

Other PCI devices

Network

Do not launch

UEFI

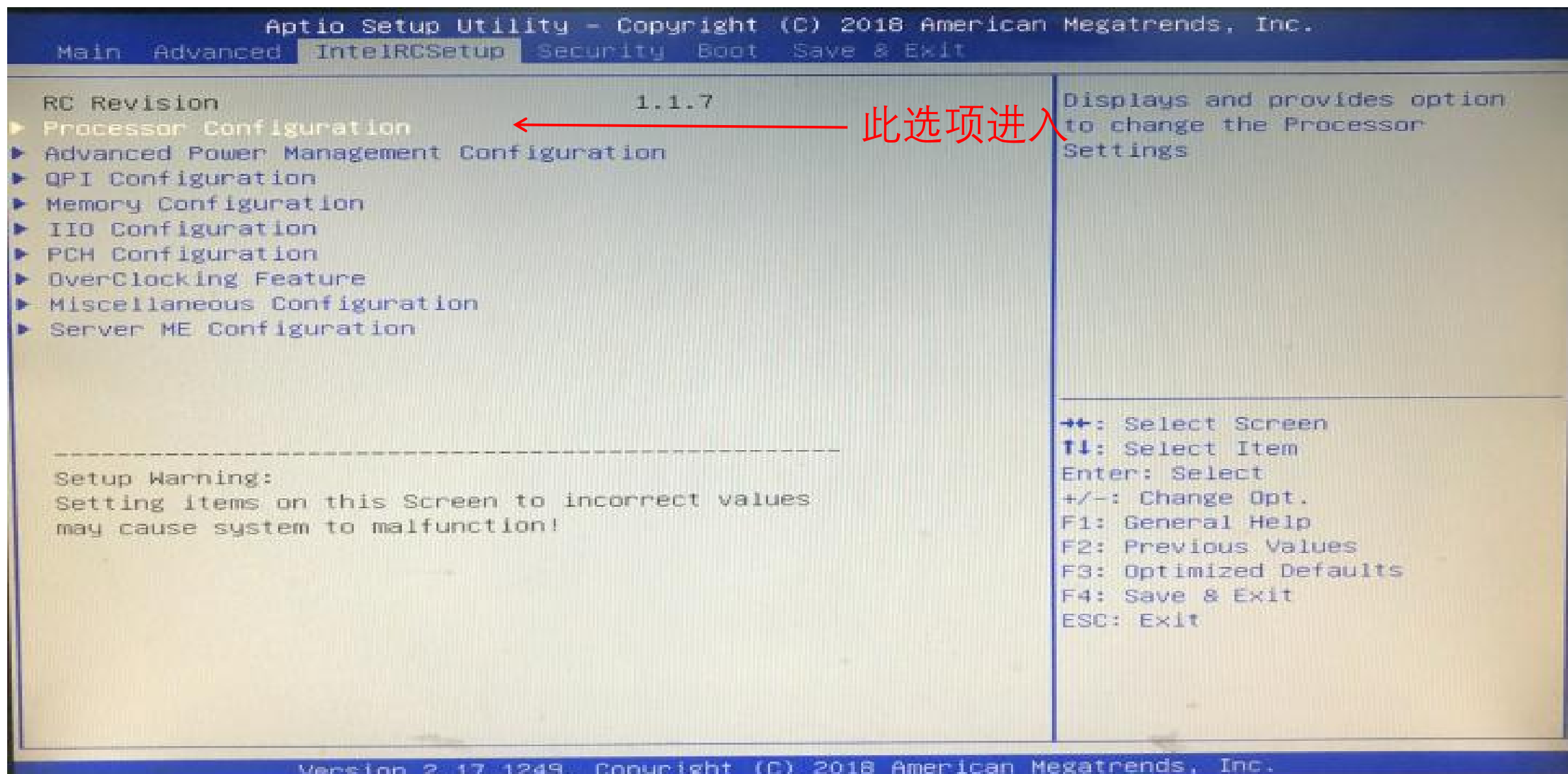
Legacy

Controls the execution of UEFI and Legacy PXE OpROM

Do not launch为关闭网卡启动  
Legacy为开启网卡启动 BIOS默认设置为关闭需要手动设置打开

++: Select Screen  
↑↓: Select Item  
Enter: Select  
+/-: Change Opt.  
F1: General Help  
F2: Previous Values  
F3: Optimized Defaults  
F4: Save & Exit  
ESC: Exit

# VT-X设置



## Processor Configuration

## ▶ Per-Socket Configuration

Processor Socket	Socket 0
Processor ID	000306F2
Processor Frequency	2.500GHz
Processor Max Ratio	19H
Processor Min Ratio	0CH
Microcode Revision	00000038
L1 Cache RAM	768KB
L2 Cache RAM	3072KB
L3 Cache RAM	30720KB
Processor 0 Version	Intel(R) Xeon(R) CPU E5-2678 v3 @ 2.50GHz

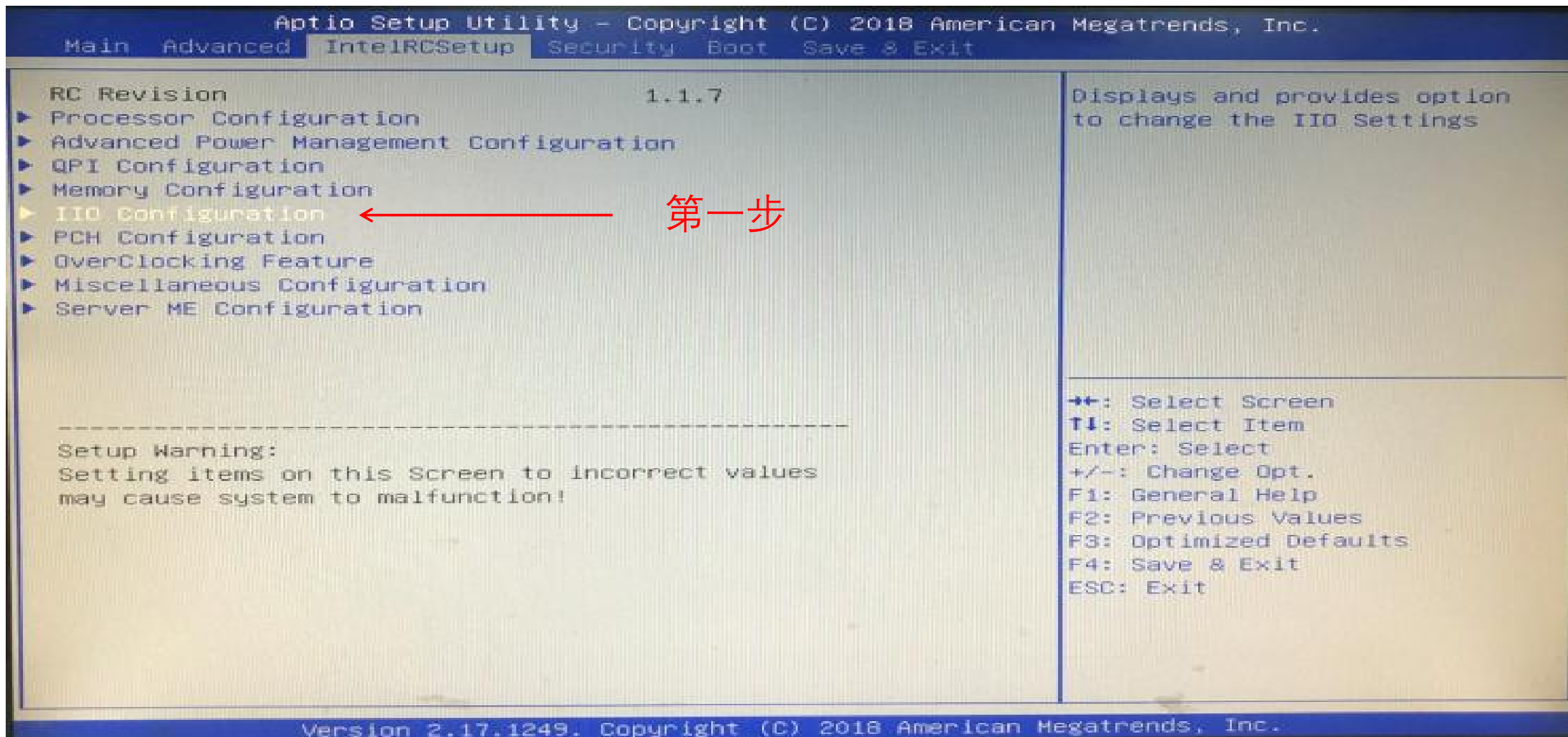
Hyper-Threading [ALL]	[Enable]
Execute Disable Bit	[Enable]
Enable Intel TXT Support	[Disable]
VMX	[Enable]
Enable SMX	[Disable]
MSR Lock Control	[Enable]
Lock Chipset	[Enable]
PPIN Control	[Unlock/Enable]
DEBUG INTERFACE	[Disable]
Hardware Prefetcher	[Enable]

▲ Enables the Vanderpool Technology, takes effect after reboot.

此项为VT-X选项  
Disable为关闭  
Enable为开启

→+: Select Screen  
↑↓: Select Item  
Enter: Select  
+/-: Change Opt.  
F1: General Help  
F2: Previous Values  
F3: Optimized Defaults  
F4: Save & Exit  
ESC: Exit

# VT-D设置



## IIO Configuration

PCIe Train by BIOS	[yes]
PCIe Hot Plug	[Disable]
PCIe ACPI Hot Plug	[Disable]
EV DFX Features	[Disable]

▶ IIOO Configuration

▶ IOAT Configuration

▶ IIO General Configuration

▶ Intel VT for Directed I/O (VT-d) ←

第二步

## PCI Express Global Options

TX EQ WA	[Enable]
DMI Vc1 Control	[Enable]
DMI Vcp Control	[Enable]
DMI Vcm Control	[Enable]
VCO 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]
PCI-E 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

IntelRCSetup

Intel VT for Directed I/O (VT-d)

VTd Azalea VcP Optimizations	[Disable]
Intel VT for Directed I/O (VT-d)	[Enable]
Interrupt Remapping	[Enable]
Coherency Support (Non-Isoch)	[Enable]
Coherency Support (Isoch)	[Enable]

Enable/Disable Intel Virtualization Technology for Directed I/O (VT-d) by reporting the I/O device assignment to VMM through DMAR ACPI Tables.

此项为VT-D选项  
Disable为关闭  
Enable为开启

→: Select Screen  
↑↓: Select Item  
Enter: Select  
+/-: Change Opt.  
F1: General Help  
F2: Previous Values  
F3: Optimized Defaults  
F4: Save & Exit  
ESC: Exit

# S3睡眠设置

Aptio Setup Utility - Copyright (C) 2018 American Megatrends, Inc.

Advanced

## ACPI Settings

Enable ACPI Auto Configuration	[Disabled]
Enable Hibernation	[Enabled]
ACPI Sleep State	[Suspend Disabled]
Lock Legacy Resources	[Disabled]

Select the highest ACPI sleep state the system will enter when the SUSPEND button is pressed.

选择此项保存后S3睡眠模式即可生效

ACPI Sleep State  
Suspend Disabled  
S3 (Suspend to RAM)

→: 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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# UEFI/传统模式设置

Aptio Setup Utility - Copyright (C) 2018 American Megatrends, Inc.

Advanced

Compatibility Support Module Configuration

CSM Support [Enabled]

CSM16 Module Version 07.76

GateA20 Active [Upon Request]

Option ROM Messages [Keep Current]

Boot option filter [UEFI and Legacy]

Option ROM execution

Boot option filter

UEFI and Legacy

Legacy only

UEFI only

Network

Storage

Video

Other PCI devices

[UEFI]

This option controls  
Legacy/UEFI ROMs priority

UEFI and Legacy为UEFI加传统模式

Legacy only为传统模式

UEFI only 为纯UEFI模式

默认设定为UEFI+传统模式

++: 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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