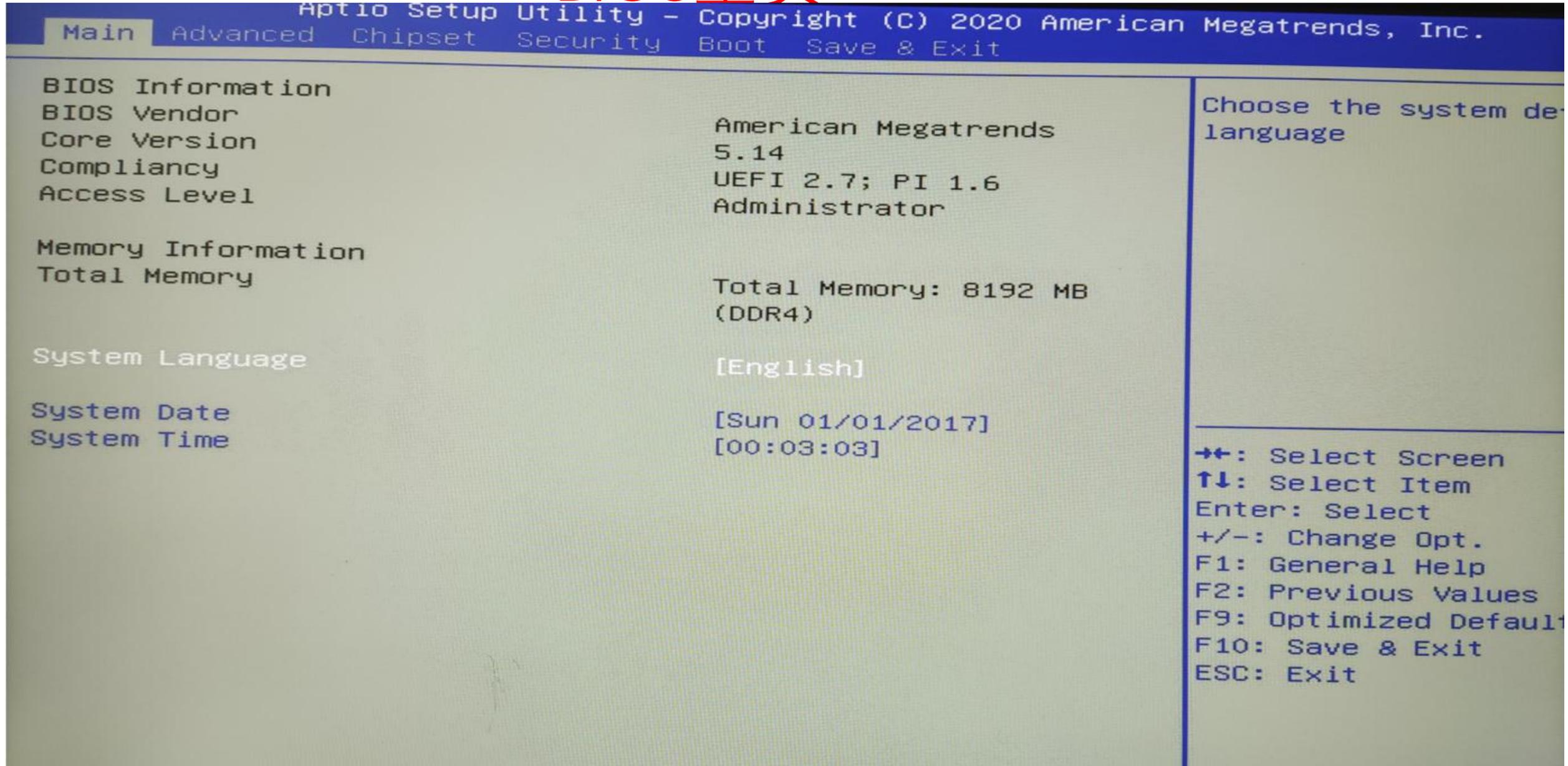


BIOS主页



VT设置

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Main Advanced Chipset Security Boot Save & Exit

AMD fTPM configuration

ACPI Settings

SATA Configuration

IT8613 Super IO Configuration

Hardware Monitor

CPU Configuration **第一步**

USB Configuration

CSM Configuration

NVMe Configuration

Network Stack Configuration

AMD CBS

AMD PBS

Realtek PCIe GBE Family Controller (MAC:0A:E0:AF:AD:1)

Advanced

CPU Configuration

Module Version: ComboAm4Cpu 03
AGESA Version : ComboAm4PI 1004

Cool and Quiet

[Enabled]

PPC Adjustment

[PState 0]

NX Mode

[Enabled]

SVM Mode **第二步**

[Enabled]

Node 0 Information

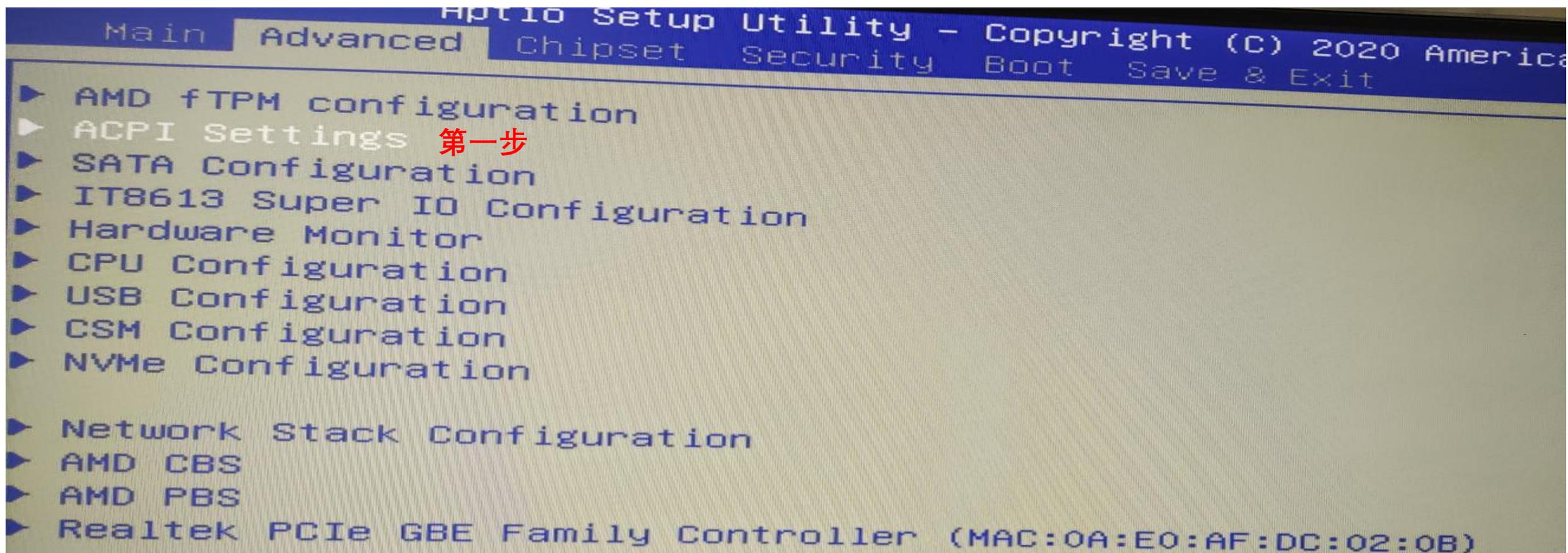
第三步

SVM Mode

Disabled

Enabled

S3睡眠设置



ACPI Settings

Enable ACPI Auto Configuration

[Disabled]

Enable Hibernation

[Enabled]

ACPI Sleep State **第二步**

[Suspend Disabled]

Lock Legacy Resources

[Disabled]

第三步

— ACPI Sleep State —
Suspend Disabled
S3 (Suspend to RAM)

sata接口和硬盘模式

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Main **Advanced** Chipset Security Boot Save & Exit

- AMD fTPM configuration
- ACPI Settings
- SATA Configuration **第一步**
- IT8613 Super IO Configuration
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- USB Configuration
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- AMD CBS
- AMD PBS
- Realtek PCIe GBE Family Controller (MAC:0A:E0:AF:DC:02:0B)

SATA Configuration

SATA Mode

SATA Port1

SATA Port2

SATA Port3 硬盘接口

SATA Port4

M.2 SATA Port

[AHCI]

Not Present

Not Present

Not Present

Not Present

Not Present

硬盘模式

SATA Mode

- AHCI
- RAID
- Auto

CPU风扇转速设置

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Main Advanced Chipset Security Boot Save & Exit

- ▶ AMD fTPM configuration
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- ▶ Hardware Monitor **第一步**
- ▶ CPU Configuration
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- ▶ NVMe Configuration

- ▶ Network Stack Configuration
- ▶ AMD CBS
- ▶ AMD PBS
- ▶ Realtek PCIe GBE Family Controller (MAC:0A:E0:AF:DC:02:0B)

Pc Health Status

CPU Temperature	: +65 °C
SYS Temperature	: +37 °C
CPU FAN Speed	: 1834 RPM
SYSFAN	: N/A
APU	: +1.430 V
VDD	: +1.199 V
VCC12	: +12.078 V
VCC5	: +5.104 V
VCC3V	: +3.366 V
VBAT	: +3.058 V

CPU Smart Fan

	[Automatic Mode]
- Fan off temperature limit	0
- Fan start temperature limit	20
- Fan Full Speed temperature	85
- Fan start PWM(%)	50
- PWM Slope Setting(%)	5

风扇自动模式
风扇停转温度
风扇起转温度
风扇全速转动的温度
风扇起始转速
转速斜率设置

- Fan off temperature limit	0
- Fan start temperature limit	20
- Fan Full Speed temperature	85
- Fan start PWM(%)	50
- PWM Slope Setting(%)	5

UEFI设置

```
Aptio Setup Utility - Copyright (C) 202
Main  Advanced  Chipset  Security  Boot  Save & Exit

AMD fTPM configuration
ACPI Settings
SATA Configuration
IT8613 Super IO Configuration
Hardware Monitor
CPU Configuration
USB Configuration
CSM Configuration
NVMe Configuration

Network Stack Configuration
AMD CBS
AMD PBS
Realtek PCIe GBE Family Controller (MAC:0A:E0:AF:DC:02:0
```

第一步

Advanced

Compatibility Support Module Configuration

CSM Support [Enabled]

CSM16 Module Version 07.83

GateA20 Active [Upon Request]

Option ROM Messages [Force BIOS]

INT19 Trap Response [Immediate]

HDD Connection Order [Adjust]

Boot option filter

第二步

Boot option filter

- UEFI and Legacy
- Legacy only
- UEFI only**

第三步

Option ROM execution

[UEFI]

[Legacy]

[UEFI]

Network

Storage

Video

Other PCI devices

内存频率

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Main Advanced Chipset Security Boot Save & Exit

- ▶ AMD fTPM configuration
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- ▶ NVMe Configuration

- ▶ Network Stack Configuration
- ▶ AMD CBS 第一步
- ▶ AMD PBS
- ▶ Realtek PCIe GBE Family Controller (MAC:0A:E0:AF:DC:02:0B)

Advanced

AMD CBS

- ▶ CPU Common Options
- ▶ DF Common Options
- ▶ UMC Common Options 第二步
- ▶ NBIO Common Options
- ▶ FCH Common Options
- ▶ 300/400/500 Chipset Common Options

Advanced

UMC Common Options

- ▶ DDR4 Common Options
- ▶ DRAM Memory Mapping
- ▶ NVDIMM
- ▶ Memory MBIST

第三步

DDR4 Common Options

- ▶ DRAM Timing Configuration 第四步
- ▶ DRAM Controller Configuration
- ▶ CAD Bus Configuration
- ▶ Data Bus Configuration
- ▶ Common RAS
- ▶ Security

DRAM Timing Configuration

WARNING - DAMAGE CAUSED BY USE OF YOUR AMD PROCESSOR OUTSIDE OF SPECIFICATION OR IN EXCESS OF FACTORY SETTINGS ARE NOT COVERED UNDER YOUR AMD PRODUCT WARRANTY AND MAY NOT BE COVERED BY YOUR SYSTEM MANUFACTURER'S WARRANTY.

Operating your AMD processor outside of specification or in excess of factory settings, including but not limited to overclocking, may damage or shorten the life of your processor or other system components, create system instabilities (e.g., data loss and corrupted images) and in extreme cases may result in total system failure. AMD does not provide support or service for issues or damages related to use of an AMD processor outside of processor specifications or in excess of factory settings.

I Decline

I Accept 第五步

I Accept

第六步

Overclock	[Enabled]
Memory Clock Speed	[Auto]
Tc1	[Auto]
Trcdrd	[Auto]
Trcdwr	[Auto]
Trp	[Auto]
Tras	[Auto]
Trc Ctrl	[Auto]
TrrdS	[Auto]
TrrdL	[Auto]
Tfaw Ctrl	[Auto]
TwtrS	[Auto]
TwtrL	[Auto]
Twr Ctrl	[Auto]
Trcpage Ctrl	[Auto]
TrdrdScL Ctrl	[Auto]
TwrwrScL Ctrl	[Auto]
Trfc Ctrl	[Auto]
Trfc2 Ctrl	[Auto]
Trfc4 Ctrl	[Auto]
Fail_CNT	5
ProcODT	[Auto]
Tcw1	[Auto]

Overclock

Auto

Enabled

I Accept

Overclock

Memory Clock Speed **第七步**

Tc1

Trcdrd

Trcdwr

Trp

Tras

Trc Ctrl

TrrdS

TrrdL

Tfaw Ctrl

TwtrS

TwtrL

Twr Ctrl

Trcpage Ctrl

TrdrdScL Ctrl

TwrwrScL Ctrl

Trfc Ctrl

Trfc2 Ctrl

Trfc4 Ctrl

Fail_CNT

ProcODT

Tcw1

注意事项: A320的BIOS 为16进制
内存频率设置的时候要*2 去设置
内存频率需要达到3200 只需要在
频率的位置设置为1600即可

Memory Clock Speed

- Auto
- 667MHz
- 800MHz
- 933MHz
- 1067MHz
- 1200MHz
- 1333MHz
- 1367MHz
- 1400MHz
- 1433MHz
- 1467MHz
- 1500MHz
- 1533MHz
- 1567MHz
- 1600MHz
- 1633MHz
- 1667MHz
- 1700MHz
- 1733MHz

[Auto]

Set t

→←: S
↑↓: S
Enter
+/-: S
F1: G
F2: F
F9: C
F10:
ESC:

Accept

Overclock

Memory Clock Speed

Tc1

Trcdrd

Trcdwr

Trp

Tras

Trc Ctrl

TrrdS

TrrdL

Tfaw Ctrl

TwtrS

TwtrL

Twr Ctrl

Trcpage Ctrl

TrdrdScL Ctrl

TwrwrScL Ctrl

Trfc Ctrl

Trfc2 Ctrl

Trfc4 Ctrl

Tcw1

Trtp

Tcke

而16进制的就是16才是10 而不是10
进制的10就是10 16就是16 如果不能
完全清楚的 可以直接从8开始往后数
比如18 那么在右侧的设置位置就是12

[E	Tc1	
[1	Auto	
[1	8 C1k	8
[1	9 C1k	9
[1	0Ah C1k	10
[1	0Bh C1k	11
[2	0Ch C1k	12
[A	0Dh C1k	13
[A	0Eh C1k	14
[A	0Fh C1k	15
[A	10h C1k	16
[A	11h C1k	17
[A	12h C1k	18
[A	13h C1k	19
[A	14h C1k	20
[A	15h C1k	21
[A	16h C1k	22
[A	17h C1k	23
[A	18h C1k	24
[A	19h C1k	25
[A		
[Aut		
[Auto]		

Specif

←→: Se
↑↓: Se
Enter:
+/-: C
F1: Ge
F8: Pr
F9: Op
F10: S
ESC: E

Accept

Overclock

Memory Clock Speed

Tc1

Trcdrrd

Trcdwr

Trp

Tras

Trc Ctrl

TrrdS

TrrdL

Tfaw Ctrl

TwtrS

TwtrL

Twr Ctrl

Trcpage Ctrl

TrdrdScL Ctrl

TwrwrScL Ctrl

Trfc Ctrl

Trfc2 Ctrl

Trfc4 Ctrl

[Enabled]

[1600MHz]

[12h C1K]

[16h C1K]

[16h C1K]

[16h C1K]

[2Eh C1K]

[Auto]

例如：18-22-22-42
3200MHZ 就是右侧的设置参数

网络唤醒

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Main Advanced Chipset Security Boot Save & Exit

- ▶ AMD fTPM configuration
- ▶ ACPI Settings
- ▶ SATA Configuration
- ▶ IT8613 Super IO Configuration
- ▶ Hardware Monitor
- ▶ CPU Configuration
- ▶ USB Configuration
- ▶ CSM Configuration
- ▶ NVMe Configuration

- ▶ Network Stack Configuration **第一步**
- ▶ AMD CBS
- ▶ AMD PBS
- ▶ Realtek PCIe GBE Family Controller (MAC:0A:E0:AF:DC:02:0B)

Advanced

Network Stack 第二步

[Disabled]

第三步

Network Stack
Disabled
Enabled

来电启动

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Main Advanced Chipset Security Boot Save & Exit

- ▶ AMD fTPM configuration
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- ▶ Network Stack Configuration
- ▶ AMD CBS 第一步
- ▶ AMD PBS
- ▶ Realtek PCIe GBE Family Controller (MAC:0A:E0:AF:DC:02:0B)

AMD CBS

- ▶ CPU Common Options
- ▶ DF Common Options
- ▶ UMC Common Options
- ▶ NBIO Common Options
- ▶ FCH Common Options 第二步
- ▶ 300/400/500 Chipset Common Options

Advanced

FCH Common Options

- ▶ SATA Configuration Options
- ▶ USB Configuration Options
- ▶ SD (Secure Digital) Options
- ▶ Ac Power Loss Options 第三步
- ▶ I2C Configuration Options
- ▶ Uart Configuration Options
- ▶ ESPI Configuration Options
- ▶ XGBE Configuration Options
- ▶ eMMC Options

Advanced

Ac Power Loss Options

Ac Loss Control

第四步

[Always Off]

第五步

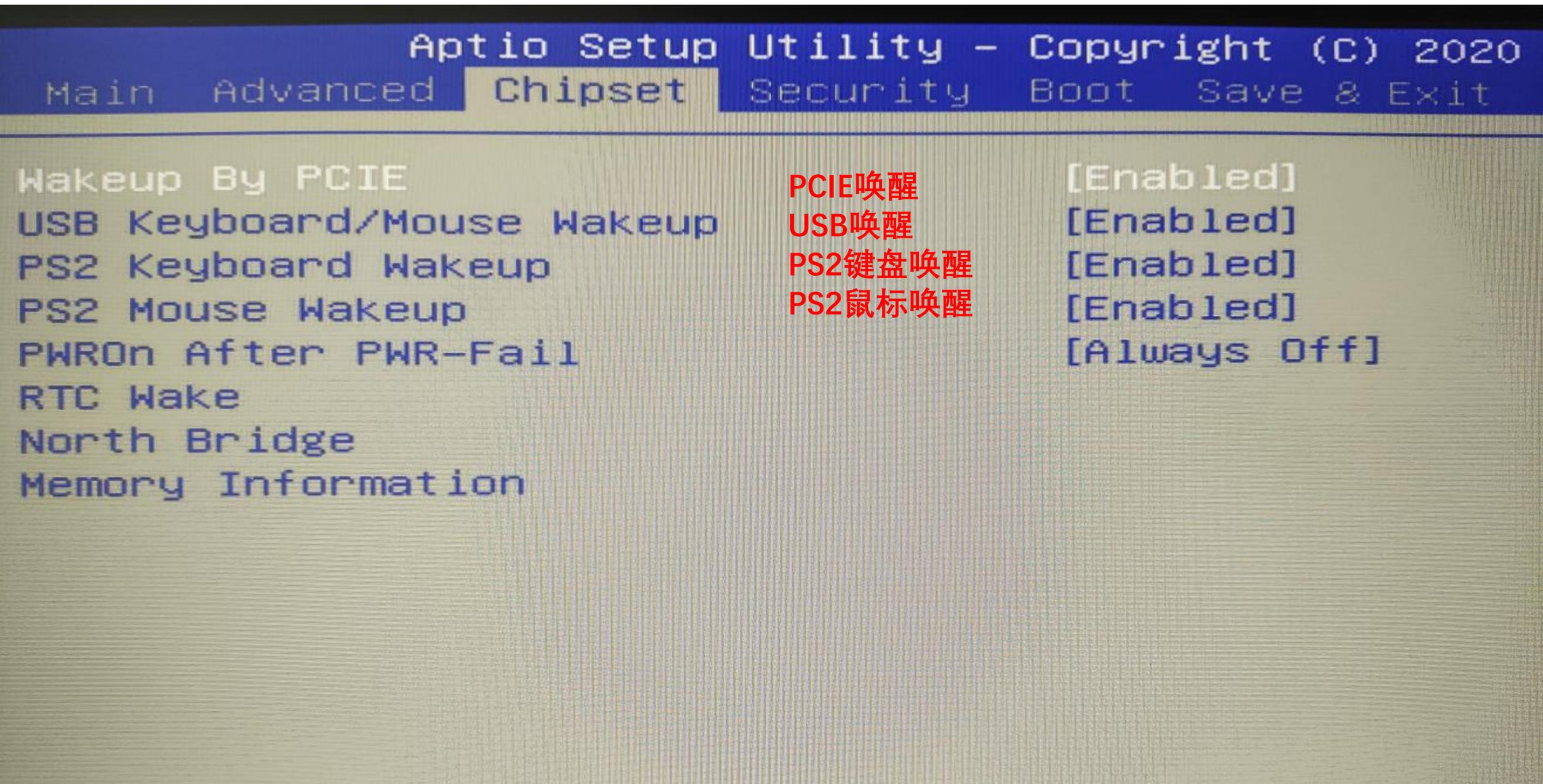
Ac Loss Control

- Always Off
- Always On
- Reserved
- Previous

Selected

→←: Se
↑↓: Se
Enter:
+/-: C
F1: Ge
F2: Pr
F9: Op
F10: S
ESC: E

唤醒相关设置



定时开机

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Main Advanced **Chipset** Security Boot Save & Exit

Wakeup By PCIE [Enabled]
USB Keyboard/Mouse Wakeup [Enabled]
PS2 Keyboard Wakeup [Enabled]
PS2 Mouse Wakeup [Enabled]
PWROn After PWR-Fail [Always Off]

- ▶ RTC Wake **第一步**
- ▶ North Bridge
- ▶ Memory Information

Chipset

Power On By RTC **第二步**
Wake up minute increase

[Dynamic Time]
1

- 第三步：选择对应的模式
- 1.关闭
 - 2.固定的时间
 - 3.动态的时间

Power On By RTC

- Disabled
- Fixed Time
- Dynamic Time**

Power On By RTC

[Fixed Time]

Wake up day

0 天

Wake up hour

0 时

Wake up minute

0 分

Wake up second

0 秒

安全启动

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Main

Advanced

Chipset

Security

Boot

Save & Exit

Password Description

The User's password and Password check can only be set after set the Administrator's password, If Password check set to setup, this only asked for when entering Setup, If set to Always, this will always asked when Power on. In Setup Users whether have Administrator rights or not depend on the User entered the type of password.

The password length must be in the following range:

Minimum length

3

Maximum length

20

Administrator Password

User Password

STIBP Status

[Disabled]

Secure Boot **第一步**

Sec

→←:

↑↓:

Ent

+/-

F1:

F2:

F9:

F10

ESC

System Mode

Setup

Secure Boot **第三步：开启安全启动**

[Disabled]

Not Active

Secure Boot Mode **第二步：设置自己需要的安全启动模**

[Custom]

▶ Restore Factory Keys **式**

▶ Reset To Setup Mode

▶ Key Management

Se
if
Pl
and
The
pla

←→:
↑↓:
Ent
+/-
F1:
F2:
F9:
F10
ESC

计算卡4G选项设置

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Main

Advanced

Chipset

Security

Boot

Save & Exit

- ▶ AMD fTPM configuration
- ▶ ACPI Settings
- ▶ SATA Configuration
- ▶ IT8613 Super IO Configuration
- ▶ Hardware Monitor
- ▶ CPU Configuration
- ▶ USB Configuration
- ▶ CSM Configuration
- ▶ NVMe Configuration

Network Stack Configuration

AMD CBS

AMD PBS **第一步**

Realtek PCIe GBE Family Controller (MAC:0A:E0:AF:AD:15:27)

- ▶ AMD Firmware Version
- Primary Video Adaptor [Ext Graphics (PEG)]
- MITT/WITT Selection [Both disable]
- LAN Power Enable [Enabled]
- PCIe/GFX Lanes Configuration [x16]
- Unused GPP Clocks Off [Enabled]
- Clock Power Management (CLKREQ#) [Disabled]
- Clear MCA at warm rst [Disabled]
- Win7 USB Wake Support [Disabled]
- Adjust APU VDDP [Disabled]
- Adjust V1.8
- AddCmd MemVref Adjust
- External Clock Gen - SATA DISPO
- SATA Redriver Tuning
- Above 4GB MMIO Enable **第二步**
- NVMe RAID mode [Disabled]

Above 4GB MMIO Enable
Disabled
Enabled **第三步**

网卡启动

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Main

Advanced

Chipset

Security

Boot

Save & Exit

AMD fTPM configuration

ACPI Settings

SATA Configuration

IT8613 Super IO Configuration

Hardware Monitor

CPU Configuration

USB Configuration

CSM Configuration **第一步**

NVMe Configuration

Network Stack Configuration

AMD CBS

AMD PBS

Realtek PCIe GBE Family Controller (MAC:0A:E0:AF:DC:02:0B)

Advanced

Compatibility Support Module Configuration

CSM Support [Enabled]

CSM16 Module Version 07.83

GateA20 Active [Upon Request]

Option ROM Messages [Force BIOS]

INT19 Trap Response [Immediate]

HDD Connection Order [Adjust]

Boot option filter [

Option ROM execution [Do

Network [Do
Storage [UEFI]

Video [Legacy]

Other PCI devices [UEFI]

Network

- Do not launch UEFI
- Legacy

第三步

第二步

Con
and

+ + :
↑ ↓ :
Ent
+ / -
F1 :
F2 :
F9 :
F10 :
ESC