ELSKY M818 Manual

Product model ordering options:

Motherboard model	CPU	4K	LAN	COM	USB	Memory	SSD	Power
M818SE-4G	support 3855U, 3955U, 3865U, 3965U, Skylake 6th generation and Kabylake 7th generation i3, i5, i7	support	1	6	8	Onboard DDR4 4G	1*M.2 2280 1*2.5 inch SSD /mechanical hard disk Optional 1*MSATA	12V~24V wide voltage power supply
			2	6	6			
M818SE-8G		support	1	6	8	Onboard DDR4 8G		
			2	6	6			

⚠Important Notice:

1) The PC can choose onboard 4G memory or onboard 8G memory;
2) When the CPU is i3/i5/i7, the motherboard M.2 2280 supports the SATA protocol by default, and the BIOS needs to be updated to use the NVME (PCIE) protocol;
3) When the CPU is 3855U/3955U/3865U/3965U, the motherboard M.2 supports the NVME protocol by default, and the SATA protocol cannot be changed;
4) The PC Mini-PCIE supports WIFI (PCIE signal and USB signal) by default, and the motherboard needs to be changed to use MSATA;
5) The PC VGA, HDMI, dual display duplication, dual display expansion, single display under DOS;
6) The PC COM1 supports optional RS232/422/485, set through BIOS (page 22);
7) The 9th pin of the PC COM1/2 can be set to live 5V/12V through JCOM1/2;
8) The PC single Gigabit Ethernet port and dual Gigabit Ethernet ports are optional, and one network port can be changed to POE power supply (1V);

Illustrate

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We will not be responsible for any direct, indirect, intentional or unintentional damages and hidden dangers caused by improper installation and use.
Before ordering the product, please ask the dealer to learn more about whether the product performance meets your needs.

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The above ordering information is for reference, please consult us for details.
Motherboard driver download https://pan.baidu.com/s/1ie7qi5NutS53ipPecRSYtw
Access password cbn5

CPU information

CPU specification	CPU brand	CPU model	Main frequency	Turbo frequency	Power consumption (W)
6th generations	Celeron	3855U	Dual core 1.6G		15
		3955U	Dual-core 2.0G		15
6th generation I3	Core	6006U	Dual-core 2.0G		15
		6100U	Dual-core 2.3G		15
		6157U	Dual-core 2.4G		28
		6167U	Dual-core 2.7G		28
6th generation I5	Core	6200U	Dual-core 2.3G	2.8G	15
		6260U	Dual core 1.8G	2.9G	15
		6267U	Dual-core 2.9G	3.3G	28
		6287U	Dual-core 3.1G	3.5G	28
		6300U	Dual-core 2.4G	3.0G	15
		6360U	Dual-core 2.0G	3.1G	15
6th generation I7	Core	6500U	Dual-core 2.5G	3.1G	15
		6560U	Dual-core 2.2G	3.2G	15
		6567U	Dual-core 3.3G	3.6G	28
		6600U	Dual-core 2.6G	3.4G	15
		6650U	Dual-core 2.2G	3.4G	15
		6660U	Dual-core 2.4G	3.4G	15
7th generations	Celeron	3865U	Dual core 1.8G		15
		3965U	Dual-core 2.2G		15
7th generation I3	Core	7020U	Dual-core 2.3G		15
		7100U	Dual-core 2.4G		15
		7130U	Dual-core 2.7G		15
7th generation I5	Core	7200U	Dual-core 2.5G	3.1G	15
		7260U	Dual-core 2.2G	3.4G	15
		7267U	Dual-core 3.1G	3.5G	28
		7287U	Dual-core 3.3G	3.7G	28
		7300U	Dual-core 2.6G	3.5G	15
		7360U	Dual-core 2.3G	3.6G	15
7th generation I7	Core	7500U	Dual-core 2.7G	3.5G	15
		7560U	Dual-core 2.4G	3.8G	15
		7567U	Dual-core 3.5G	4.0G	28
		7600U	Dual-core 2.8G	3.9G	15
		7660U	Dual-core 2.5G	4.0G	15

Chapter 1, Product Specifications

PC size	160mm*126mm*57mm		motherboard size	145mm*100mm*18mm
CPU processor	6 generations	3855U, 3955U and Skylake i3-6100U, i5-6200U, i7-6500U, etc.		
	7 generations	3865U, 3965U and Kabylake i3-7100U, i5-7200U, i7-7500U, etc.		
chipset	Single chip integrated in CPU			
power supply	1*DC_IN	The inner diameter of the DC head is 2.5MM, and it supports 12V~24V wide voltage power supply Motherboard power consumption: about 35W. It is recommended to use 12V5A or above power supply		
Memory	Onboard NB-DDR4 2133MHz memory, 4G/8G optional			
display function	6 generations	Intel HD Graphics 510/520 graphics controller	Support single display, double display copy, dual display / expansion, single display under DOS	
	7 generations	Intel HD Graphics 610/620 graphics controller		
	1*VGA DB15 interface	Support the highest resolution 1920*1200@60HZ		
	1*HDMI 1.4 interface	Support 4K resolution 4096/3840*2160@24/30HZ		
Internet function	1*LAN	RTL8111 F Gigabit network card chip , supports wake-up on LAN and PXE diskless boot function .		
	1*Mini-PCIE interface	Support WIFI/3G/4G/Bluetooth, etc., optional support MSATA		
Hard disk function	1*SATA1 interface	Standard SATA3.0 hard disk interface, the maximum transmission speed is 6.0 Gbps		
	1*M.2_SSD	Support M.2 2280 hard disk, support SATA / NVME (PCIE) protocol optional		
sound function	Integrated Realtek ALC662 HD digital audio decoder , 6-channel high-fidelity audio controller			
	1*AUDIO interface	Support audio output		
USB function	2*USB3.0 interface	Rear standard USB3.0 interface		
	6*USB2.0 interface	Rear standard USB2.0 interface		
switch function	1*POWER button	switch, power light		
Other I/O	6*COM interface	Serial port, COM1 supports RS232/RS422/RS485 optional		
	1*SIM card slot	Support SIM card, need SIM card when using 3G/4G		
operating environment	Working temperature: -20 ℃ ~60 ℃ ; Working humidity: 5%~95% relative humidity, non-condensing			
BIOS	AMI BIOS, support power-on and start-up, scheduled start-up, remote switch machine intelligent identification of equipment			
watch dog	Watchdog programming, support hardware reset function (256 levels, 0~255 seconds)			
operating system	Support Windows 10, Windows 8, Windows 7, Linux, etc.			

BIOS function keys

BIOS function keys	Functional description
Power on and press Delete	Enter the BIOS function interface
Boot press F11	Select the startup item, or choose to enter the BIOS function interface
← →	Move the left and right arrows to select an item
↑ ↓	Move the up and down arrows to select an item
Enter	Select the item and enter the submenu
+/-	Change selections, or add or subtract values
F1	Show relevant help content
F9	reset
F10	save changes and exit
Escape	quit

1.1 Schematic diagram of the PC interface

The PC size



Single network picture of the PC



Dual network picture of the PC



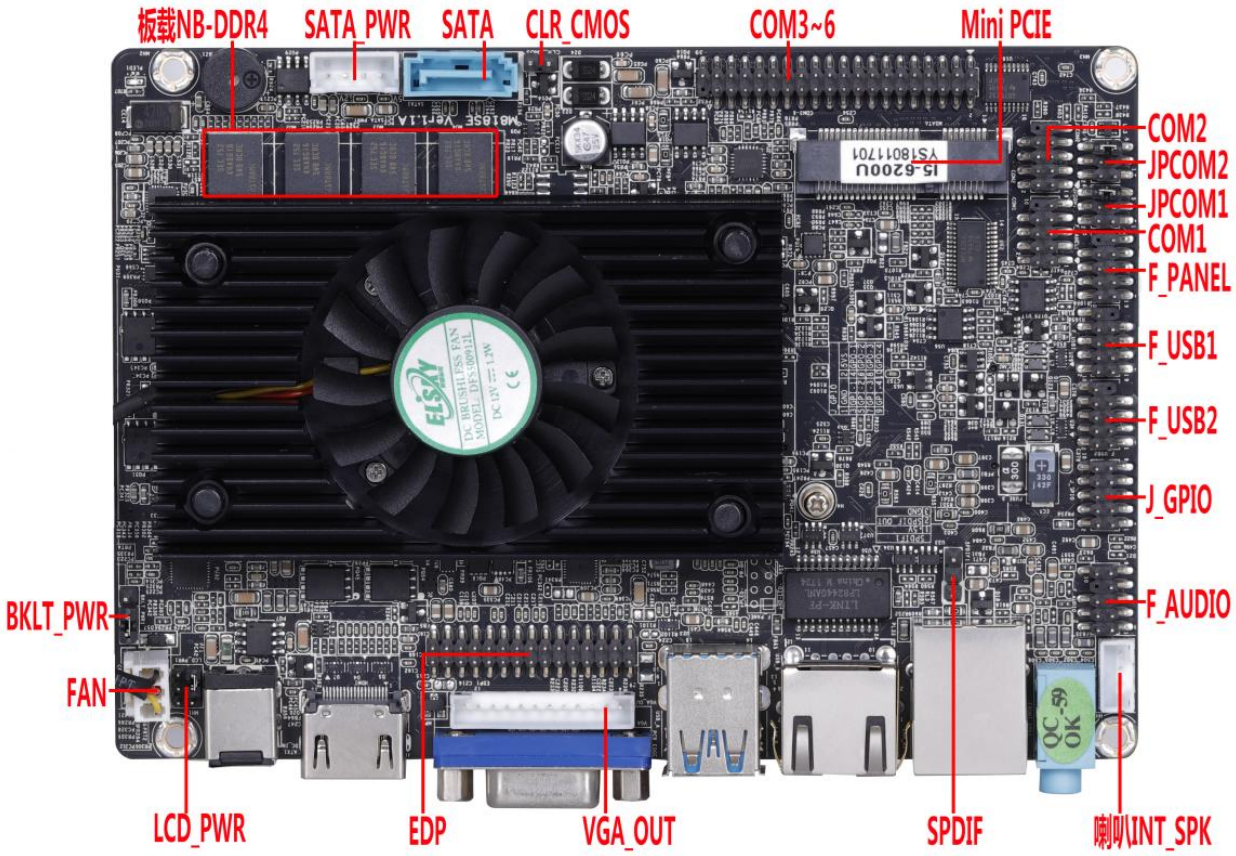
The PC back view



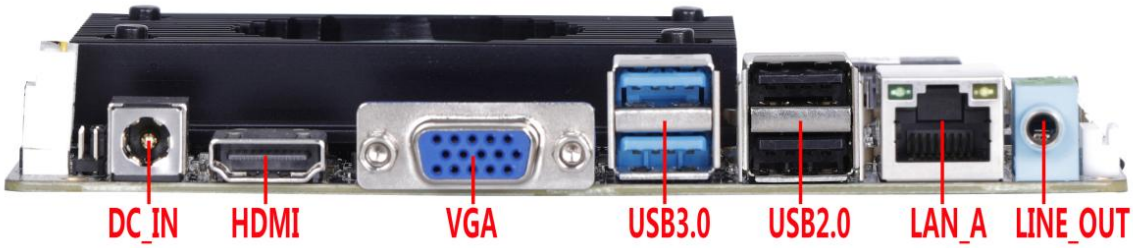
the PC bottom view



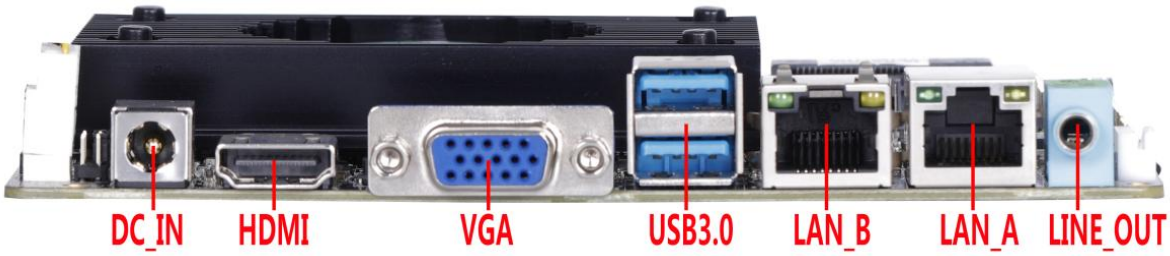
motherboard picture



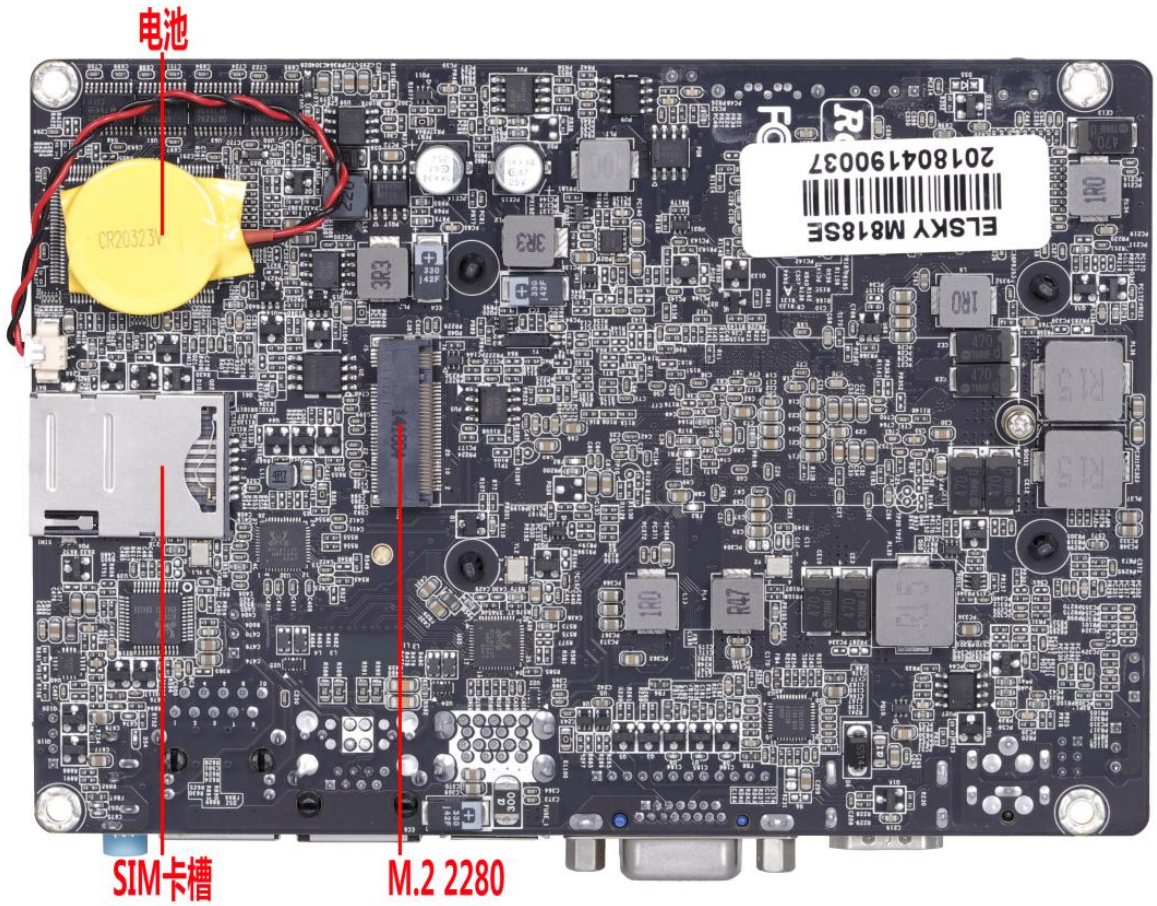
Interface picture of single network port motherboard



Interface picture of dual network port motherboard

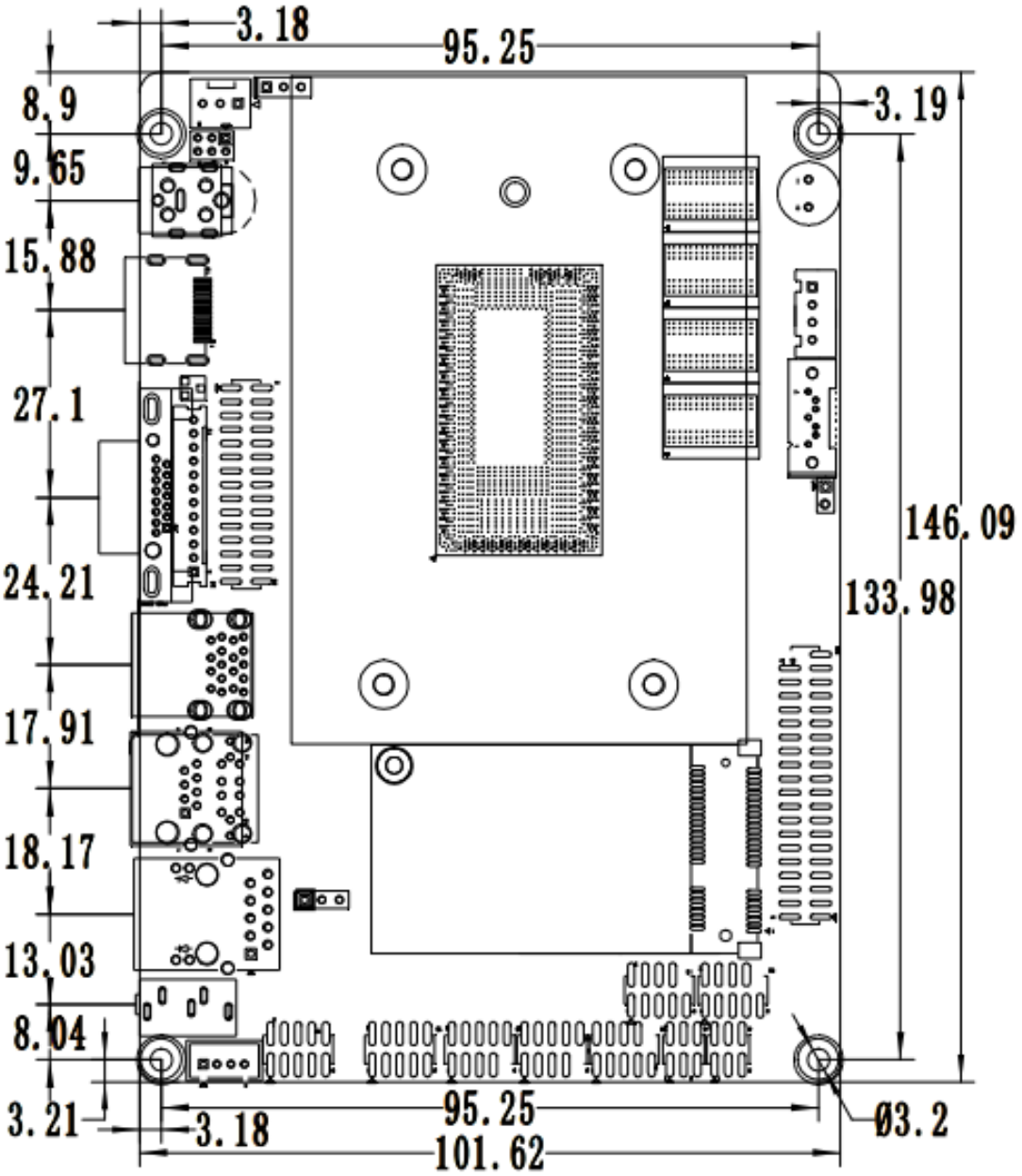


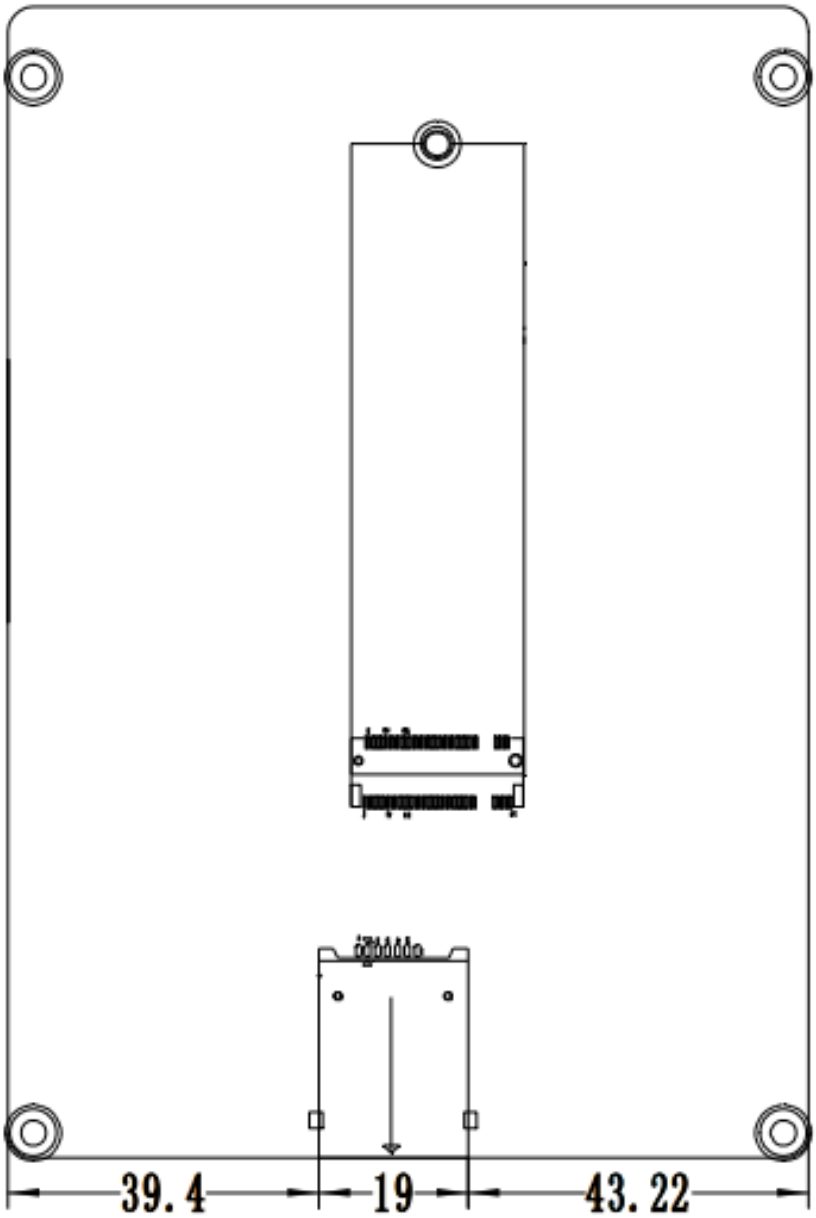
Picture of the back of the motherboard



Due to many optional specifications, the above pictures are for reference only, please refer to the actual product for details!

1.2 Motherboard Dimensions




39.4
19
43.22

Chapter 2, Definition and Description of Motherboard Pins

2.0 How to identify pin 1 pin

Method 1: Look at the silk screen mark next to the pins on the front of the motherboard, it will be indicated by a triangle symbol or a bold line or 1 ;

Method 2: Look at the pads on the back of the motherboard, square pads is pin 1;

Pay attention to distinguish the first pin when inserting the device and the connecting cable, otherwise the motherboard and the device will be damaged.

2.1 VGA pin definition:

Bit number: VGA_OUT (1*12Pin, 2.0mm)			
pins	definition	pins	definition
1	GND	2	VSYNC
3	HSYNC	4	GND
5	RED	6	GND
7	GRN	8	GND
9	BLUE	10	GND
11	DDC_DATA	12	DDC_CLK

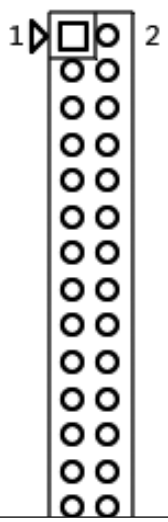
pin number map



⚠ **Note: The JVGA pin signal is the same signal as the rear VGA interface, and only supports dual-display copying.**

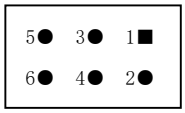
2.2 EDP pin definition:

Tag: EDP (2*15Pin, 2.0mm)				pin number map
pins	definition	pins	definition	
1	VCC	2	VCC	
3	GND	4	GND	
5	TX0P	6	TX0N	
7	GND	8	GND	
9	TX1P	10	TX1N	
11	GND	12	GND	
13	TX2P	14	TX2N	
15	GND	16	GND	
17	TX3P	18	TX3N	
19	GND	20	GND	
21	AUXP	22	AUXN	
23	GND	24	HPD	



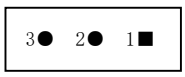
25	BKLT_CTL	26	BKLT_EN	
27	GND	28	GND	
29	BLPWR	30	BLPWR	

2.2.1 EDP working voltage:

Bit number: LCD_PWR (2*3Pin, 2.0mm)		pin number map
pins	definition	
2-4 short circuit	+3.3V	
4-6 short circuit	+5V	
3-4 short circuit	+12V	

⚠ **Note: Different sizes of screens require different working voltages. The main board provides three screen working voltages of 3.3V, 5V, and 12V. Please set the corresponding value of EDP_PWR according to the working voltage required by the screen, otherwise there will be burn-in of the screen and the main board. Danger!**

2.2.2 Screen backlight voltage control pin

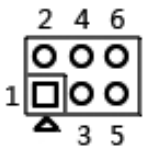
Tag: BKLT PWR (1*3Pin, 2.54mm)		pin number map
pins	definition	
1-2 short circuit	+12V	
2-3 short circuit	V-IN (change according to input voltage)	

2.3 Serial port (COM) function and pin definition:

The motherboard supports standard RS232;

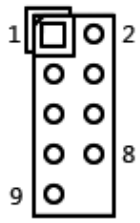
The RS232/RS422/RS485 signal of COM1 is directly set in the BIOS (page 21);

The 9th pin of COM1/COM2 can change the jumper setting through JPCOM1/JPCOM2, and choose the 9th pin to output +5V or +12V voltage

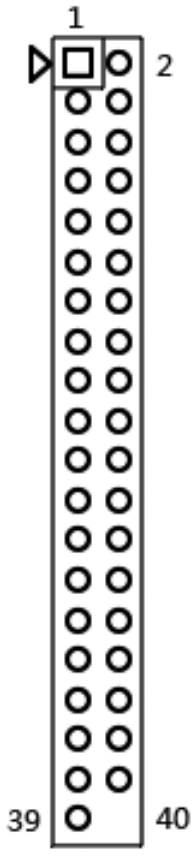
Tag: JCOM1 (2*3Pin, 2.0mm)			Tag: JCOM2 (2*3Pin, 2.0mm)		pin number map
pins	The 9th pin of COM1 is live		pins	The 9th pin of COM2 is live	
1-2 short circuit	+5V		1-2 short	+5V	

			circuit		
3-4 short circuit	+12V		3-4 short circuit	+12V	
5-6 short circuit	uncharged		5-6 short circuit	uncharged	

2.3.1 Definition of COM1/2 pins:

Bit number: COM1/2 (2*5Pin, 2.0mm)				pin number map
pins	definition	pins	definition	
1	DCD	2	RXD	
3	TXD	4	DTR	
5	GND	6	DSR	
7	RTS	8	CTS	
9	RI	10	NC	

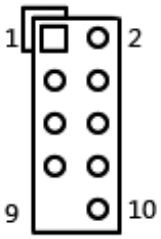
2.3.2 Definition of COM3~COM6 pins:

Bit number: COM3~6 (2*20Pin, 2.0mm)				pin number map
pins	definition	pins	definition	
1	COM3_DCD	2	COM3_RXD	
3	COM3_TXD	4	COM3_DTR	
5	GND	6	COM3_DSR	
7	COM3_RTS	8	COM3_CTS	
9	COM3-RI	10	NC	
11	COM4_DCD	12	COM4_RXD	
13	COM4_TXD	14	COM4_DTR	
15	GND	16	COM4_DSR	
17	COM4_RTS	18	COM4_CTS	
19	COM4-RI	20	NC	
21	COM5_DCD	22	COM5_RXD	
23	COM5_TXD	24	COM5_DTR	
25	GND	26	COM5_DSR	
27	COM5_RTS	28	COM5_CTS	
29	COM5-RI	30	NC	
31	COM6_DCD	32	COM6_RXD	
33	COM6_TXD	34	COM6_DTR	
35	GND	36	COM6_DSR	
37	COM6_RTS	38	COM6_CTS	
39	COM6-RI	40	NC	

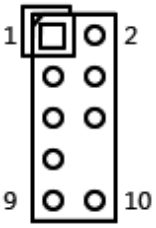
2.3.3 RS422/RS485 definition of COM1:

Bit number: COM1 (2*5Pin, 2.0mm)		
Signal	pin definition	
RS485	1 (TXD-)	2 (RXD+)
RS422	1 (TXD-)	2 (TXD+)
	3 (RXD+)	4 (RXD-)

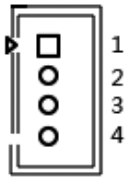
2.4 USB pin definition:

Bit number: F_USB1/2 (2*5Pin, 2.0mm)				pin number map
pins	definition	pins	definition	
1	VCC+5V	2	VCC+5V	
3	DATA0-	4	DATA1-	
5	DATA0+	6	DATA1+	
7	GND	8	GND	
9	NC	10	GND	

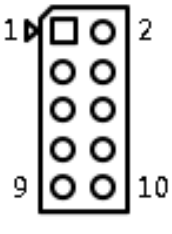
2.5 Audio interface and pin definition:

Bit number: F_AUDIO (2*5Pin, 2.0mm)				pin number map
pins	definition	pins	definition	
1	MIC-L	2	GND	
3	MIC-R	4	NC	
5	LINE OUT-R	6	MIC_JD	
7	FAUDIO_JD	8	NC	
9	LINE OUT-L	10	LINE_JD	

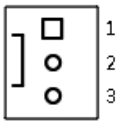
2.6 Horn (amplifier) pin definition:

Bit number: INT_SPK (1*4Pin, 2.0mm)		pin number map
pins	definition	
1	L+	
2	L-	
3	R-	
4	R+	

2.7 GPIO pin definition:

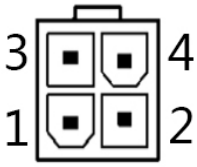
Bit number: J_GPIO (2*5Pin, 2.0mm)				pin number map
pins	definition	pins	definition	
1	GND	2	+5V	
3	GPIO_IN0	4	GPIO_OUT0	
5	GPIO_IN1	6	GPIO_OUT1	
7	GPIO_IN2	8	GPIO_OUT2	
9	GPIO_IN3	10	GPIO_OUT3	

2.8 Definition of fan interface:

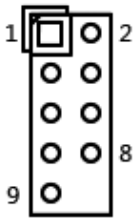
Tag: FAN1 (1*3Pin, 2.54mm)		pin number map
pins	definition	
1	GND	
2	+5V	
3	SENSE fan speed detection	

2.9 Definition of power supply and switch pins:

The motherboard provides a 2.5 standard DC head (DC_IN); a 4Pin ATX power interface is optional, defined as:

Bit number: ATX (2*2Pin)		pin number map
pins	definition	
1	GND	
2	GND	
3	+12V	
4	+12V	

Switch pin definition:

Bit number: F_PANEL (2*5Pin, 2.0mm)						pin number map
pins	definition		pins	definition		
1	HD LED+	HDD light	2	PWRLED+	power light	
3	HDLED-		4	GND		
5	RST	reboot	6	P_SW IN	switch	
7	GND		8	GND		
9	GND		10	NC		

(1) Hard disk indicator light (pins 1 and 3 HD D LED , pin 1 is the positive pole of the LED) when the hard disk is reading and writing , the indicator light will flash , indicating that the hard disk is running ;

(2) Power indicator light (the 2nd and 4th pin P ower LED , the 2nd pin is the positive pole of the LED). When the mainboard is powered on , the power indicator light is on ; when the mainboard is powered off , the power indicator light is off ;

(3) Reset button (5th , 7th pin Reset Button) When the system fails and cannot continue to work , the reset can make the system work again ;

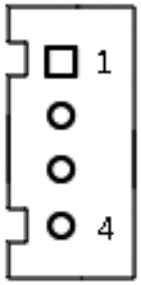
(4) Power switch control (Pin 6 , 8 P ower Button) These two pins are connected to the bounce switch on the front panel of the chassis , which can be used to turn on the computer or turn off the computer.

2.10 Hard disk interface and definition:

1 SATA3.0 hard disk interface , 1 4Pin hard disk power supply voltage interface ;

1 M.2_SSD 2280 hard disk interface

SATA definition: SATA_PWR definition:

Bit number: SATA			Bit number: SATA_PWR (1*4Pin, 2.54mm)		pin number map
pins	definition		pins	definition	
1	GND		1	12V	
2	SATA_TXP		2	GND	
3	SATA_TXN		3	GND	
4	GND		4	5V	
5	SATA_RXN				
6	SATA_RXP				
7	GND				

⚠**Note: The first pin of the SATA_PWR hard disk power supply interface is 12V output , and the fourth pin is 5V output . When using it, you must use the standard power cord provided by our company to avoid burning out the hard disk .**

2.11 Motherboard discharge reset and battery:

CMOS is powered by the button battery on the motherboard , clearing CMOS will clear the previous BIOS settings and set them to the original factory settings

Its steps: (1) turn off the computer and disconnect the power supply;

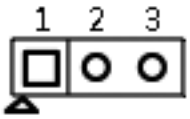
(2) Use a metal conductor to short-circuit " CLR_CMOS" pins 1 and 2 for 5-6 seconds;

" Delete " key on the keyboard to enter the BIOS interface;

(4) Enter the BIOS interface and press the "F9" key - "Enter" to reload the optimal default value ;

(5) Press F10 to save and exit the settings .

CMOS pin definition:

Bit number: CLR_CMOS (1*3Pin, 2.54mm)		
pins	effect	
1-2 short circuit	Normal boot by default	
2-3 short circuit	Clear CMOS content, BIOS restore factory defaults	

⚠**Note: Please do not clear the CMOS when the computer is powered on , so as not to damage the motherboard.**

After the power is cut off, the button battery can be reinserted to realize the reset function of the motherboard. Button battery specification: 3V CR2032

⚠**Note: Please ensure that the positive pole of the battery is facing upward; please ensure that the**

battery voltage is sufficient for 2.8V~3V; when replacing the battery, please be sure to use the same model or the same type of battery recommended by the manufacturer. Risk of explosion if battery is incorrectly replaced!

Chapter 3, BIOS program setting

3.0 Enter BIOS method:

1. After starting up, press Delete continuously to enter BIOS directly

2. After starting up, press F11 continuously, and then select Enter Setup to enter

BIOS hotkeys: F1: help; F9: restore factory settings; F10: save and exit; ESC: exit

3.1 Main menu (BIOS information and time and date)



BIOS Vendor: BIOS Vendor , American Megatrends

Project Version: core version

Build Date and Time: BIOS time and date , 3/8/2019 10:44:16

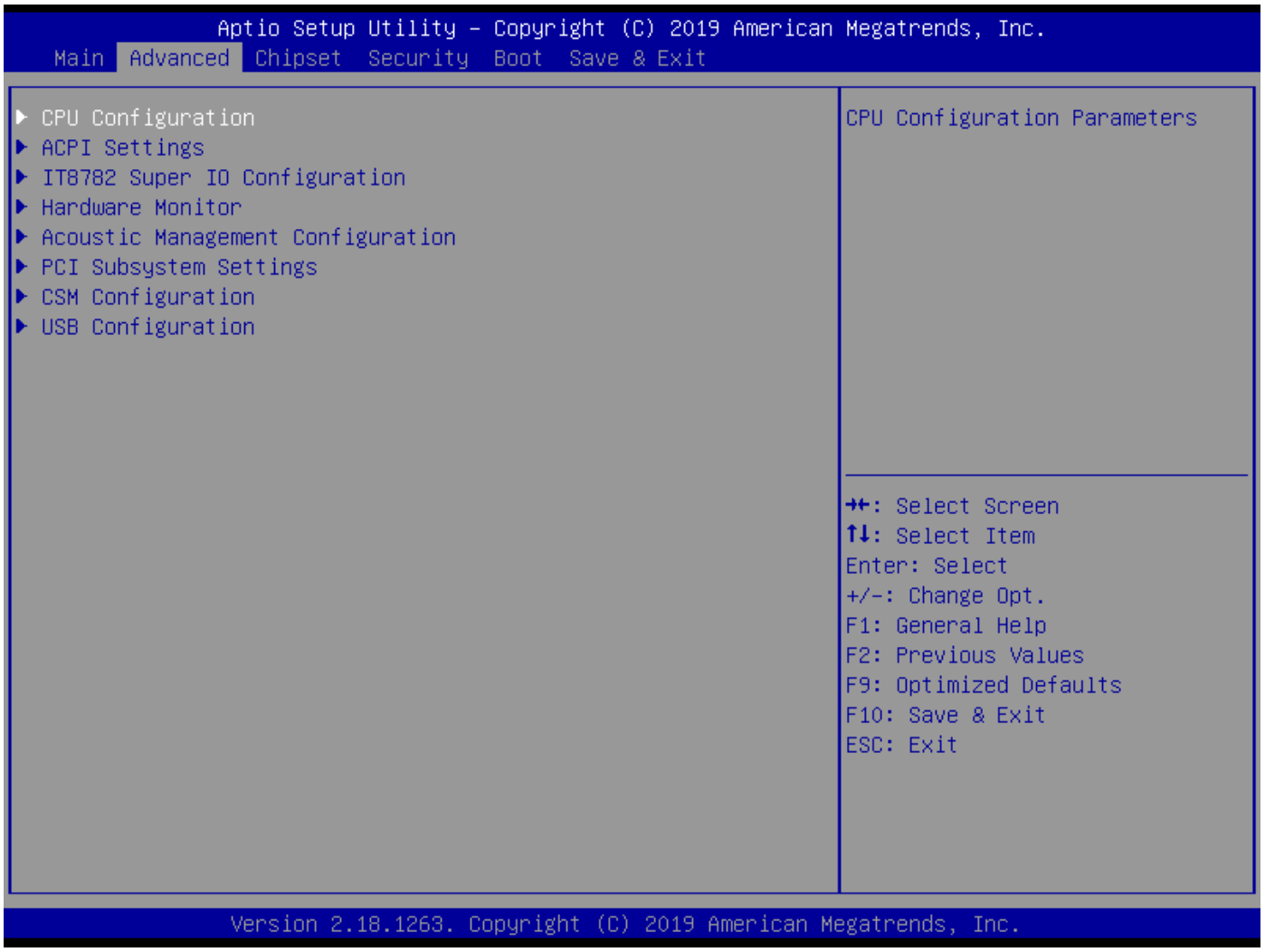
Processor Informarion: CPU processor information

Total Memory: memory information Memory Frequency: memory frequency

System Date: System date setting, the format is Week month/day/year

System Time : System time setting, the format is Minutes and seconds

3.2 Advanced (Advanced menu settings)



CPU Configuration : CPU parameter information and common setting options

ACPI Settings : Advanced configuration and power management interface settings

IT8782 Super IO Configuration : Super IO configuration information

Hardware Monitor : hardware monitor

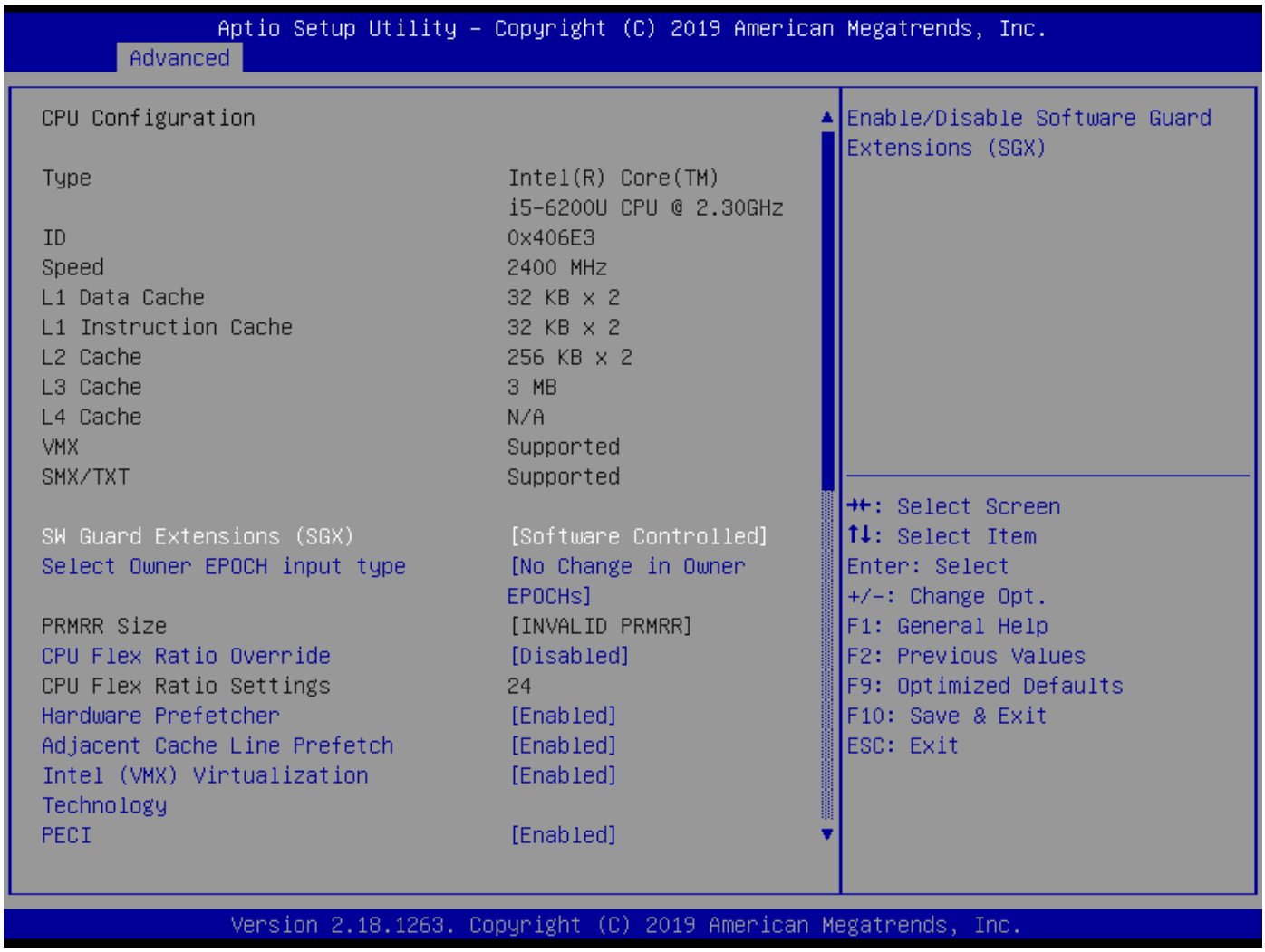
Acoustic Management Configuration: Acoustic Management Configuration

PCI Subsystem Settings: PCI subsystem settings

CSM Configuration : CSM configuration

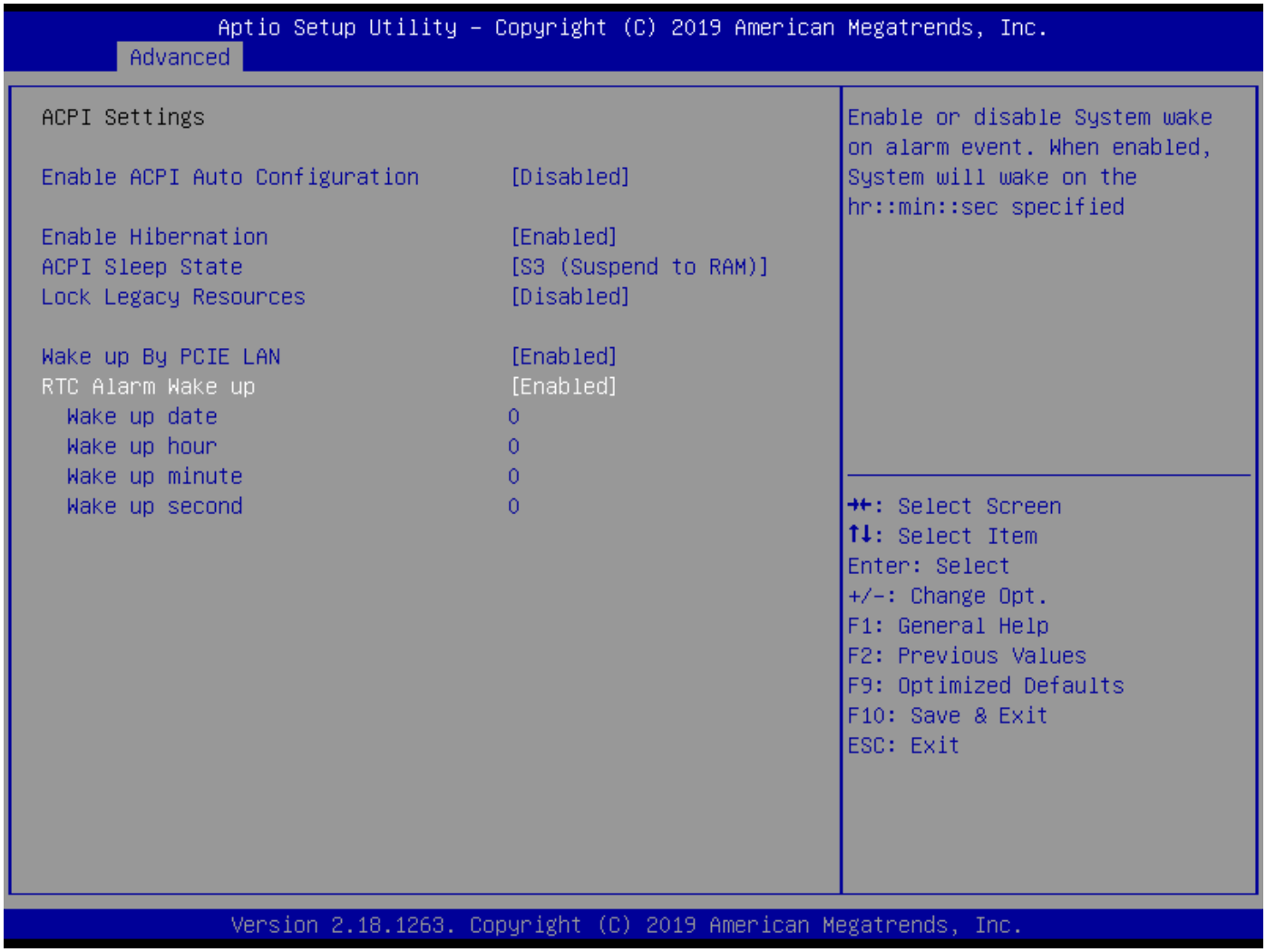
USB Configuration : USB information and control options

3.2.1 CPU Configuration (CPU parameter information and common setting options)



The read-only item contains detailed information of the CPU, including CPU manufacturer, model, frequency, cache size, etc.

3.2.2 ACPI Settings



Enable ACPI Auto Configuration: This item is ACPI automatic configuration , allowing (Enabled) or closing (Disabled) ACPI automatic configuration of BIOS , the default is closed (Disabled)

Enable Hibernation: This item is to start hibernation support , allow (Enabled) or close (Disabled) the system hibernation function (OS/S4 sleep state) , this option does not take effect under some OS , the default is to allow (Enabled)

ACPI Sleep State: This item is used to select the power-saving mode that the system enters during sleep . The mode is different , and the power consumption of the system is also different . Suspend Disabled ; Turn off the sleep mode: S1 (CPU Stop Clock): CPU stops working , Other devices are still powered normally ; S3 (Suspend to Ram) : Suspend to RAM

Lock Legacy Resources: resource lock , allow (Enabled) or close (Disabled) resource lock function

3.2.3 Timing power-on setting

RTC Alarm Wake UP: Timing power-on setting, Disabled by default , Enabled is on

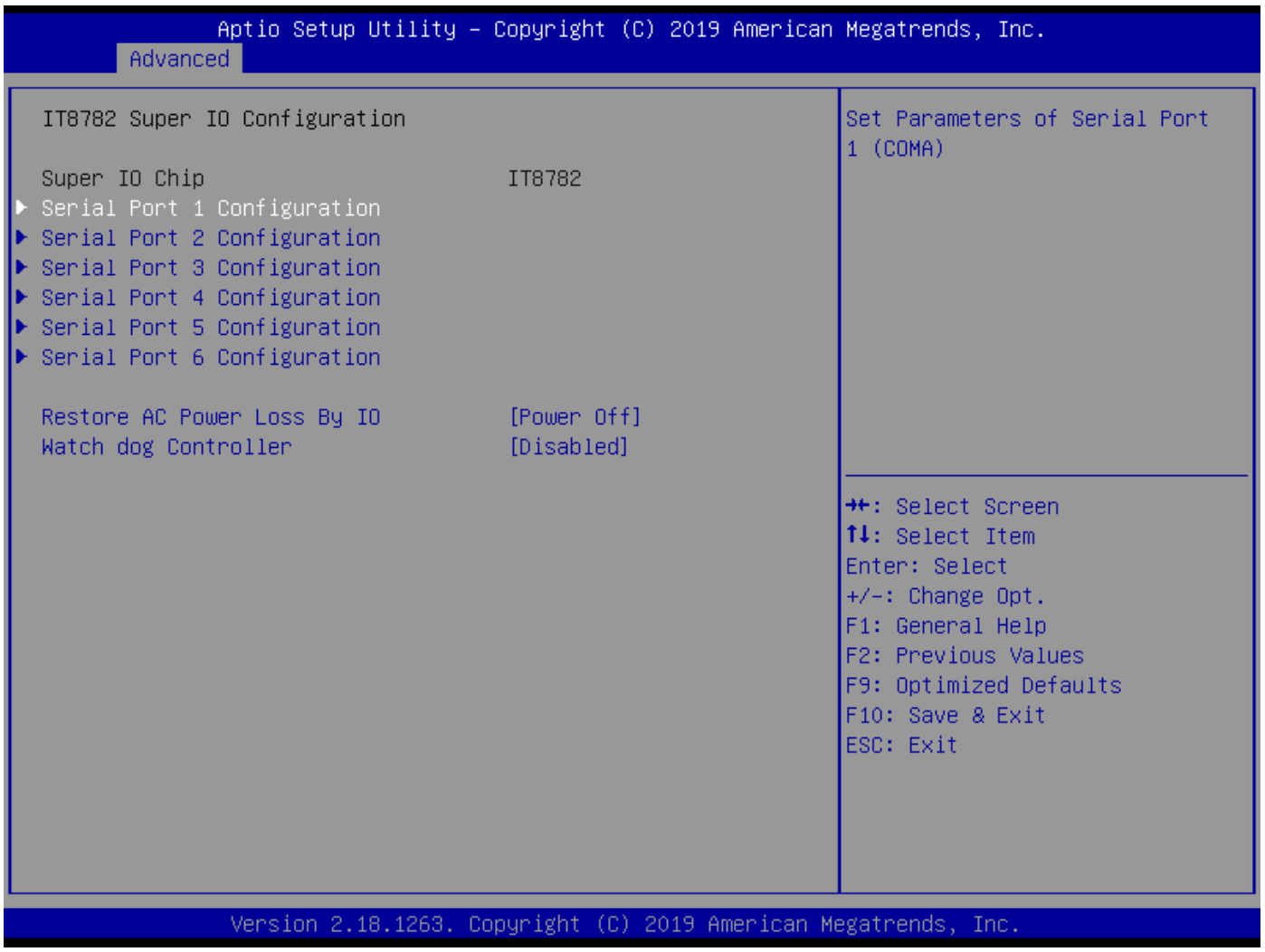
wake up date: date, 0 means every day;

wake up hour: hour;

wake up minute: minutes;

wake up second : for seconds

3.2.4 IT8782 Super IO Configuration



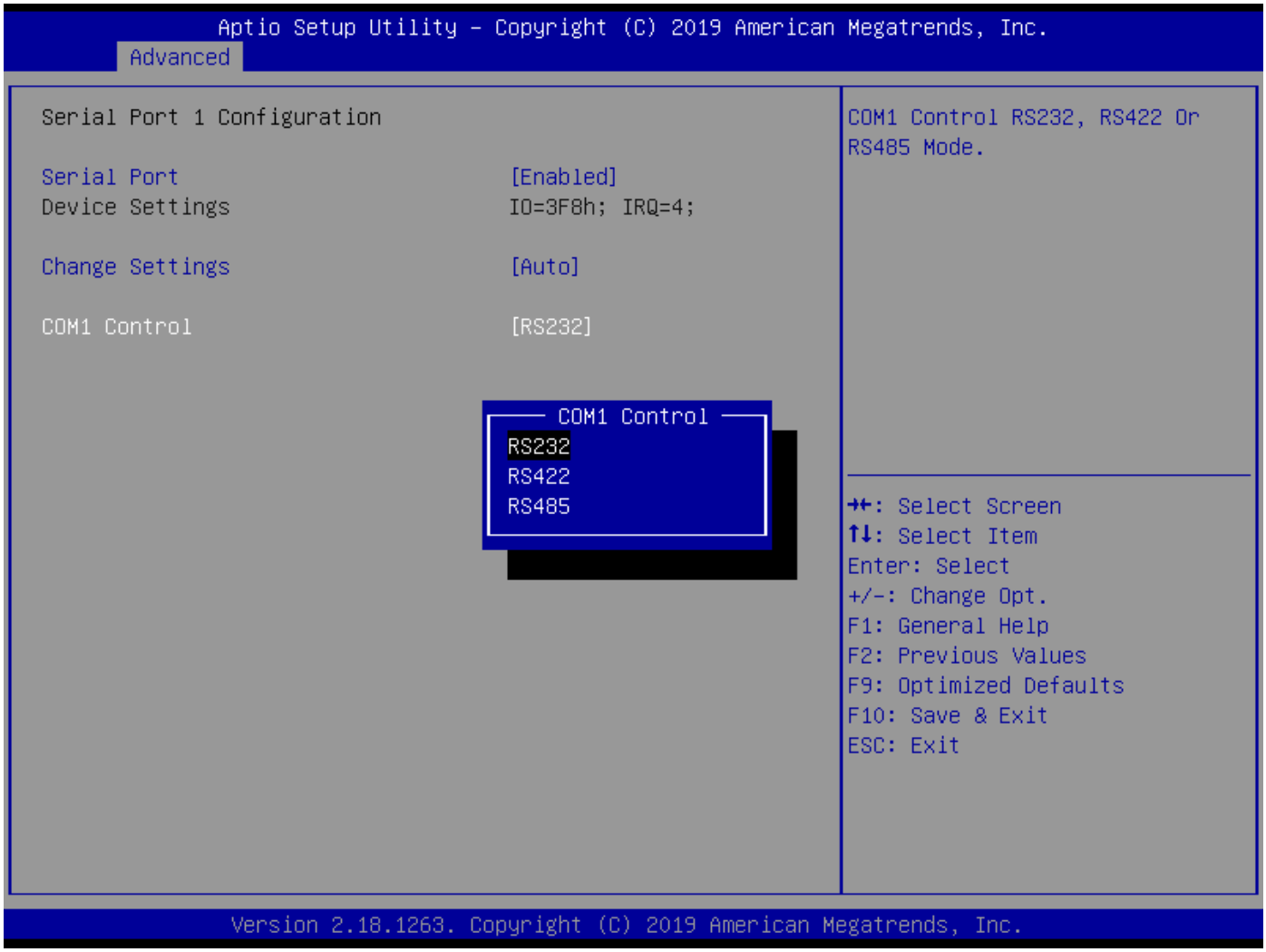
Contains serial port COM1~COM6 configuration information and settings

3.2.5 Power-on and start-up settings

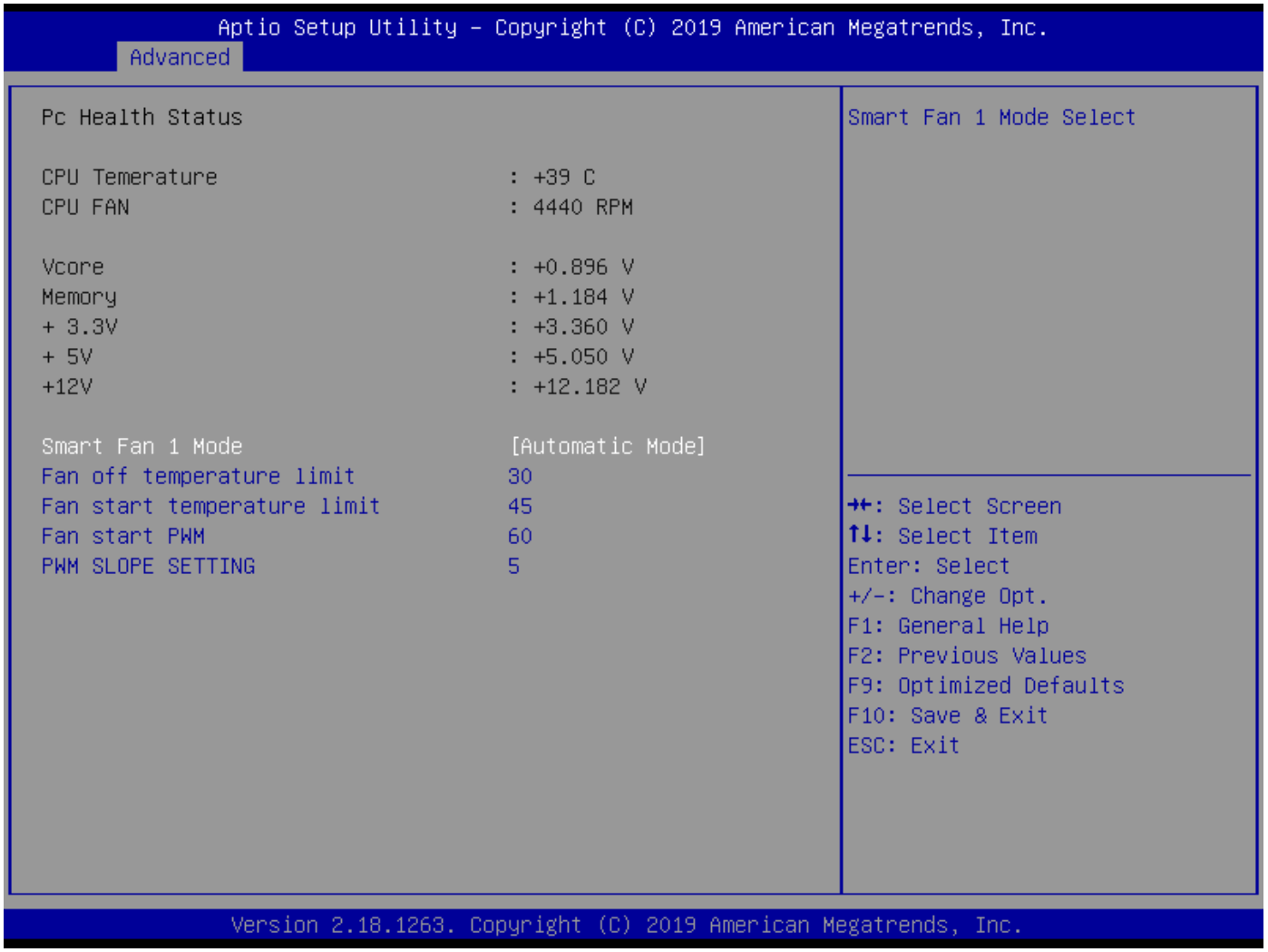
Restore AC Power Loss By IO: The default Power Off is to turn off the power and start it up, set it to Power On to turn it on

Watch dog Controller: watchdog settings

3.2.6 RS232/422/485 setting of COM1



3.2.7 Hardware Monitor

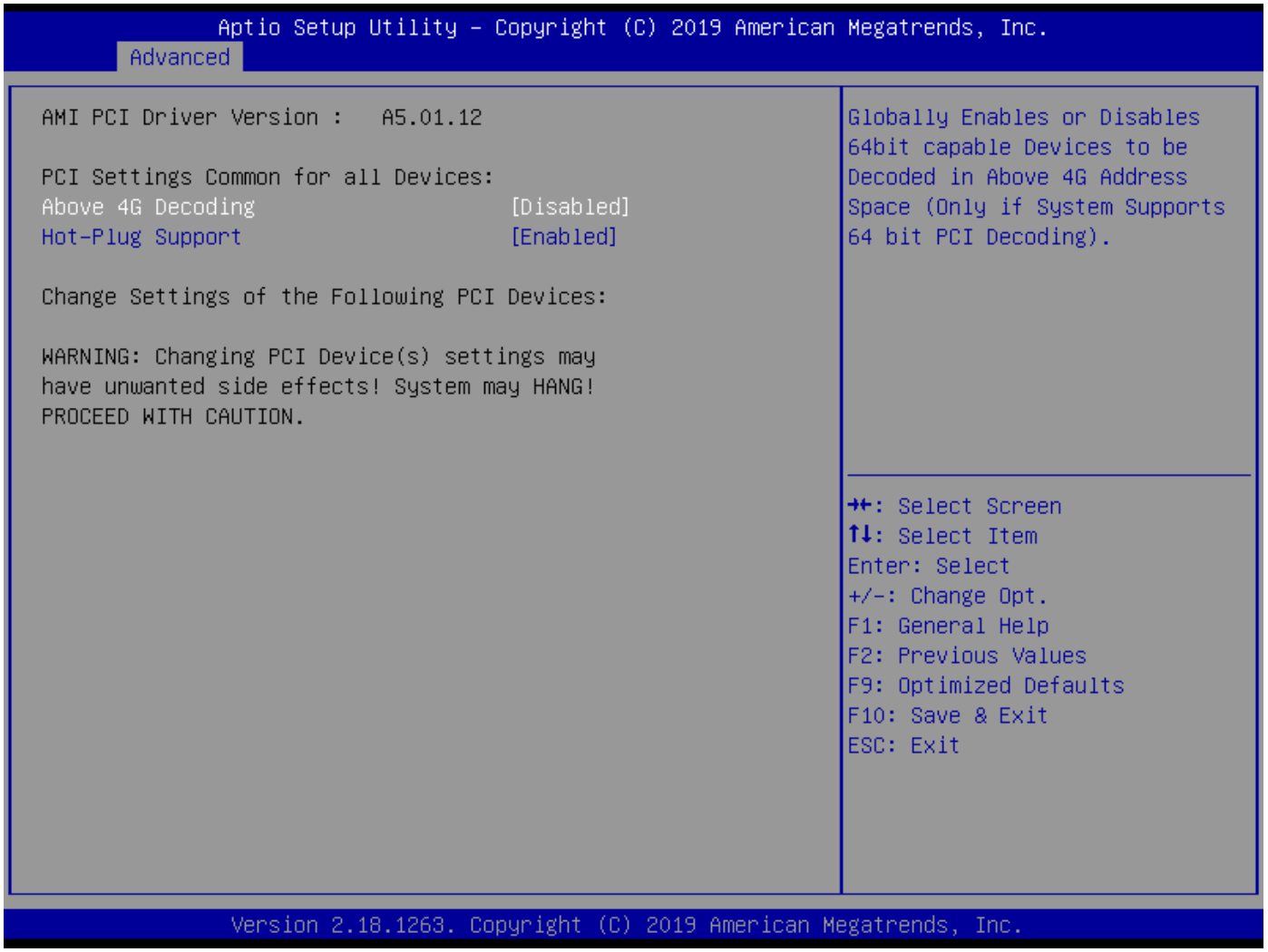


CPU temperature and fan speed monitoring

Smart Fan 1 Mode: Set whether the CPU fan is temperature controlled (Full on Mode means full load operation, no temperature control;

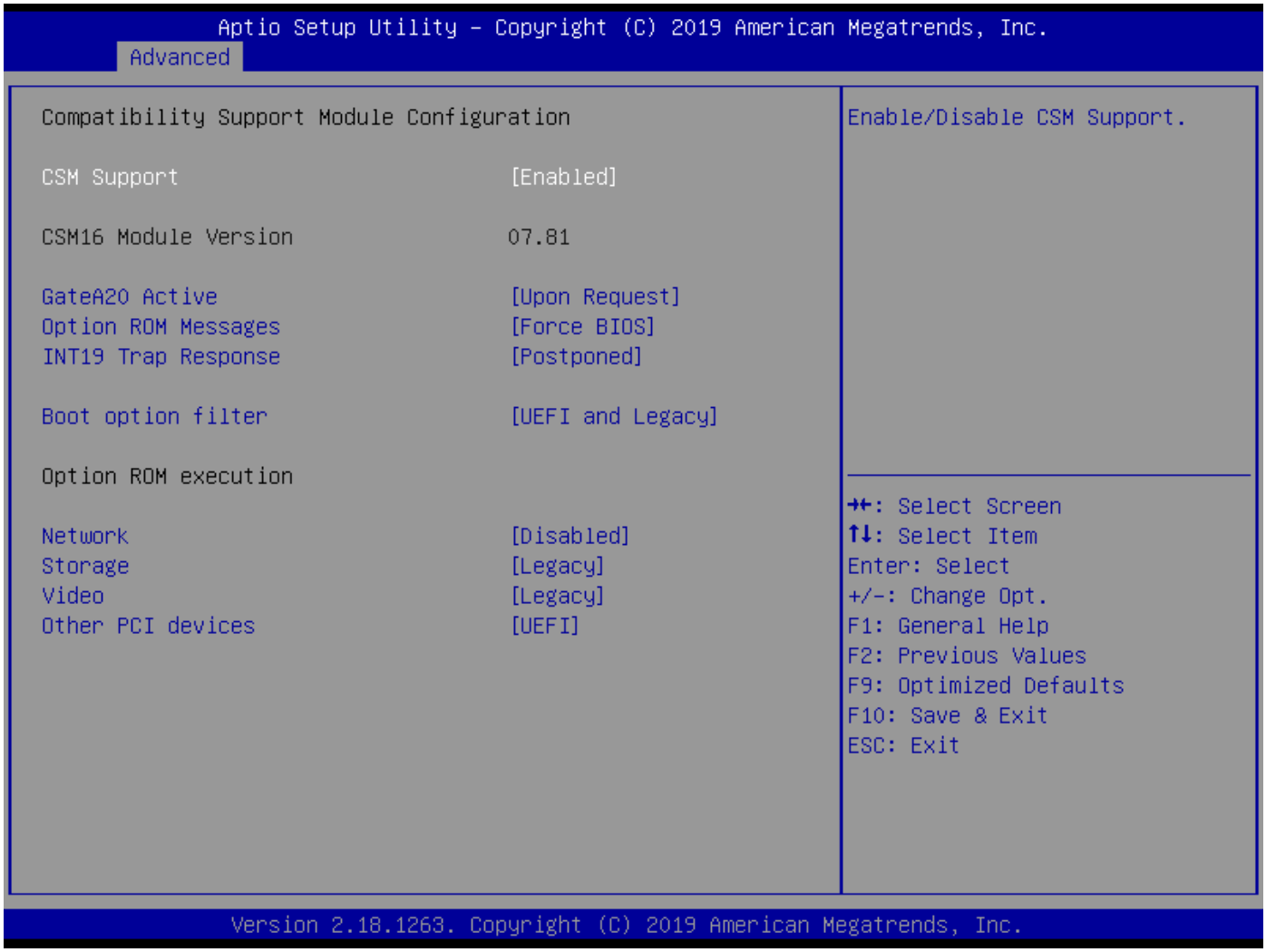
Automatic Mode indicates that the fan has temperature control)

3.2.8 PCI Subsystem Settings (PCI subsystem settings)



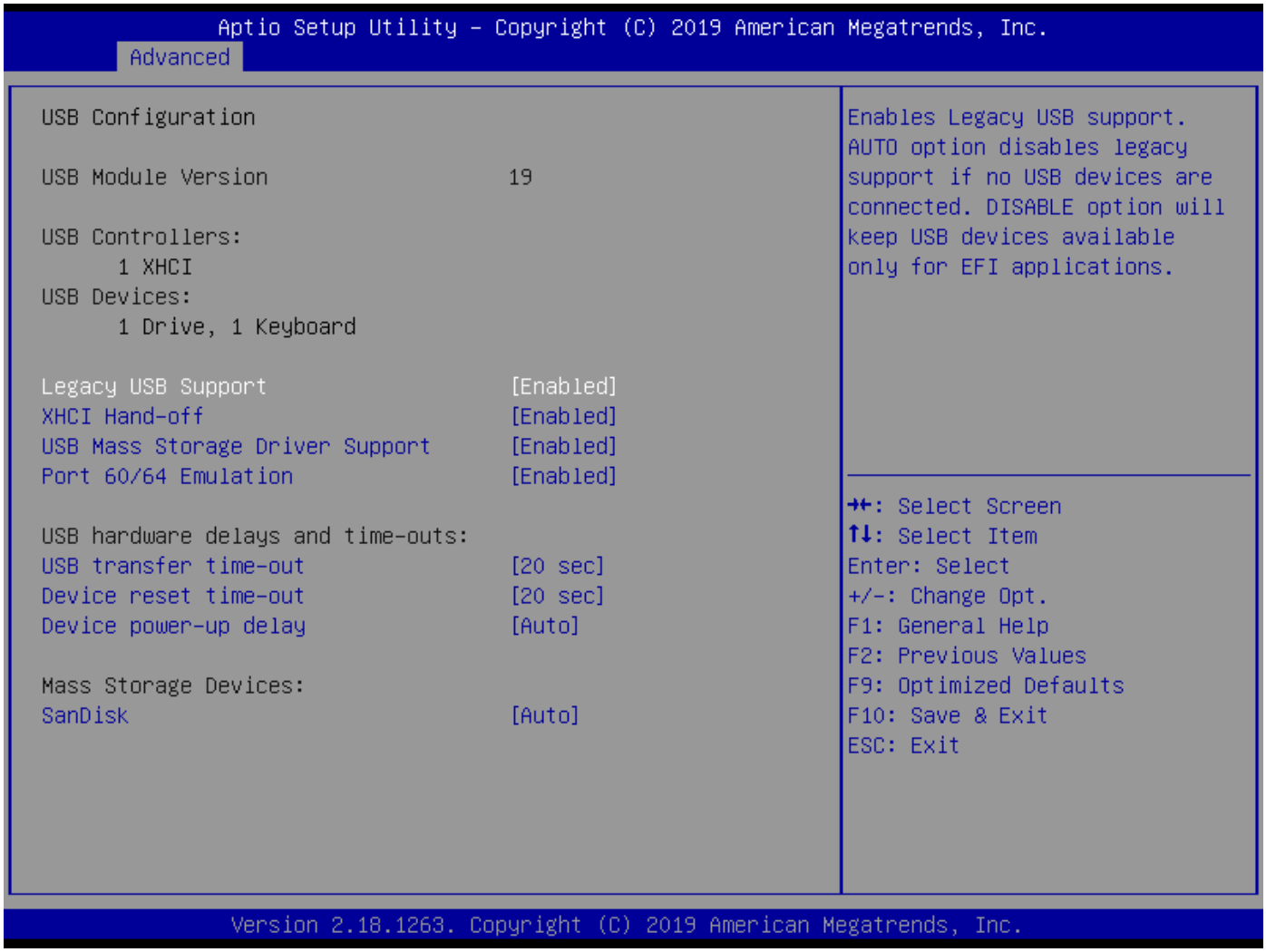
PCI Settings Common for all Devices : Common PCI settings for all devices

3.2.9 CSM Configuration (CSM Configuration)



Boot option filter: boot option filter

3.2.10 USB Configuration (USB information and control options)



Legacy USB Support: This item is used for the setting of the old version of USB . If you need to support USB devices , U disk , USB keyboard, etc. under DOS , you must set this item to [Enabled] or [Auto] , otherwise, select [Disabled]

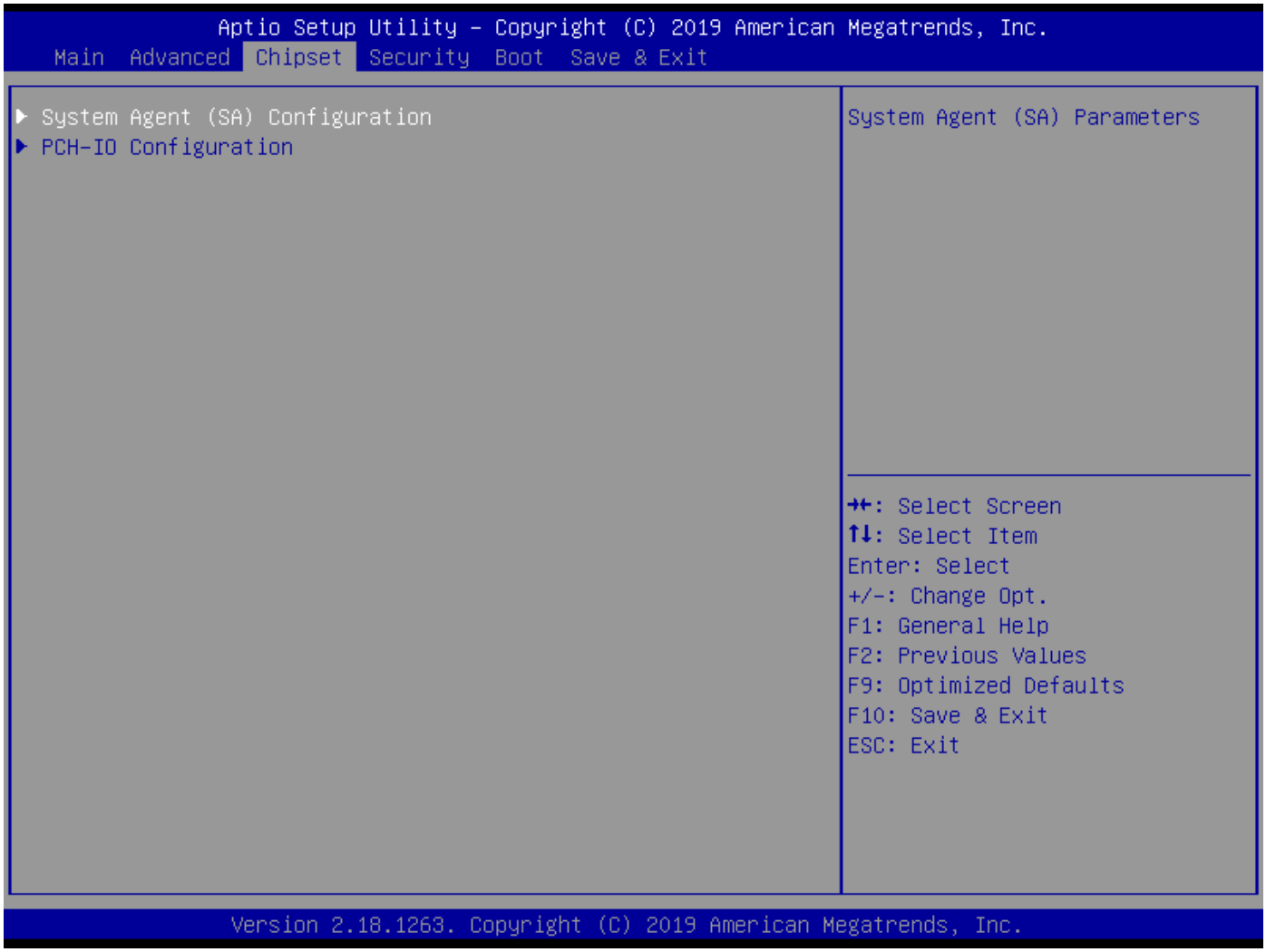
XHCI Hand-off : Whether to enable the USB XCHI transmission protocol

USB Mass Storage Driver Support: USB mass storage device support switch
USB t transfer time-out : USB transfer time-out: set the time-out time for control, batch, and interrupt transfers , the default is 5 seconds

Device reset time-out: device reset time-out: set the time-out time of large-capacity USB disk boot command. The default is 20 seconds

Device Power-up Delay: Device power-up delay : Set the maximum delay time for the USB device to report to the PC controller

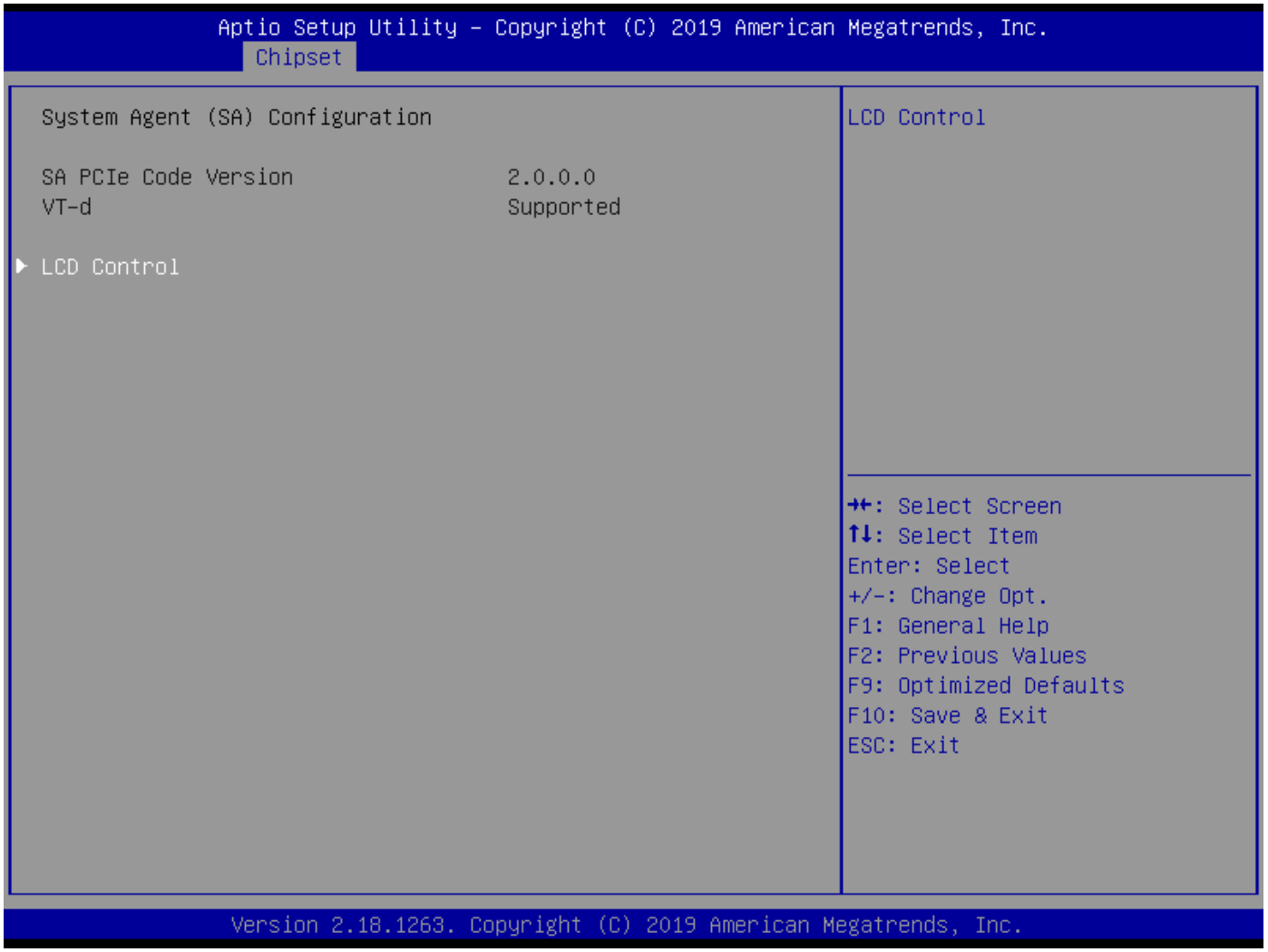
3.3 Chipset menu (chipset settings)



System Agent (SA) Configuration: Northbridge configuration options, including video memory, display devices, etc.

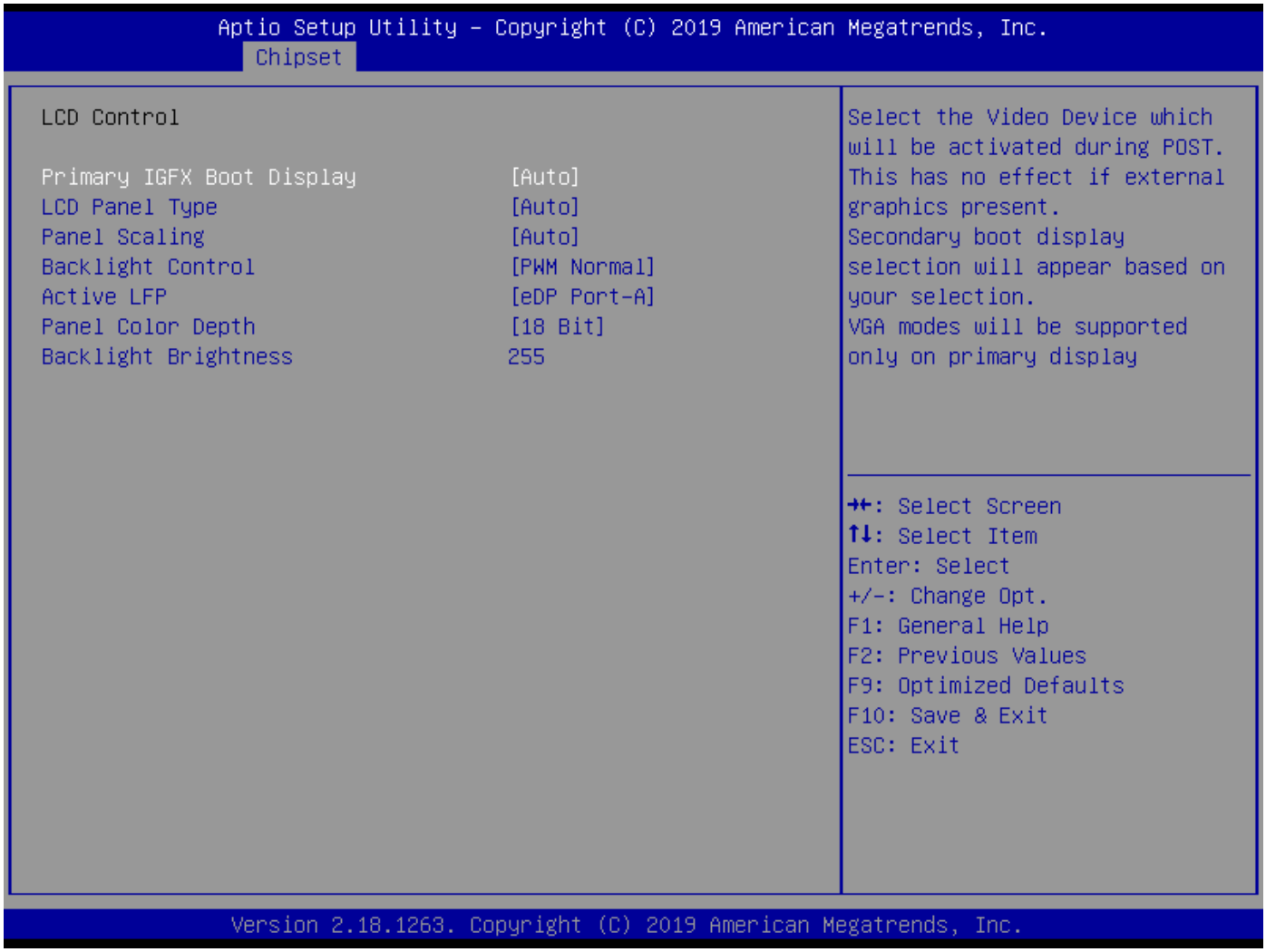
PCH-IO Configuration: South Bridge configuration options , including network card, PXE and other options

3.3.1 System Agent (SA) Configuration (North Bridge Settings)



LCD Control: display control

3.3.2 LCD Setting Options



Primary IGFX Boot Display: Main display guide (Auto is automatic identification, and can also be set to VGA / HDMI / EDP)

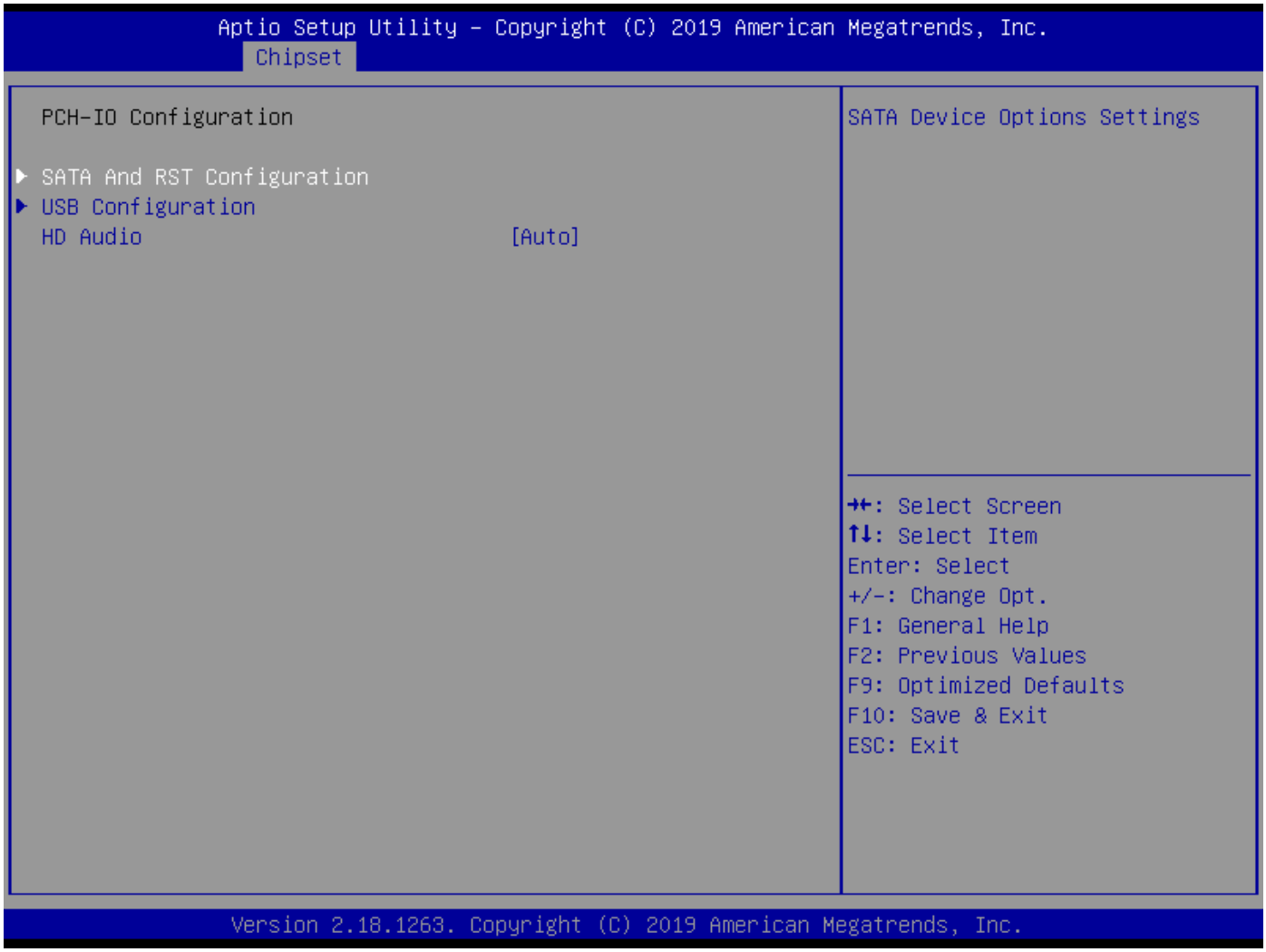
Backlight Control: Backlight control options (PWM-Inverted reverse duty cycle; PWM-Normal normal duty cycle)

Active LFP: EDP switch (eDP Port-A is open, no eDP is closed)

Panel Color Depth: panel color depth (18 Bit and 24 Bit optional)

Backlight Brightness : Maximum GPU frequency value

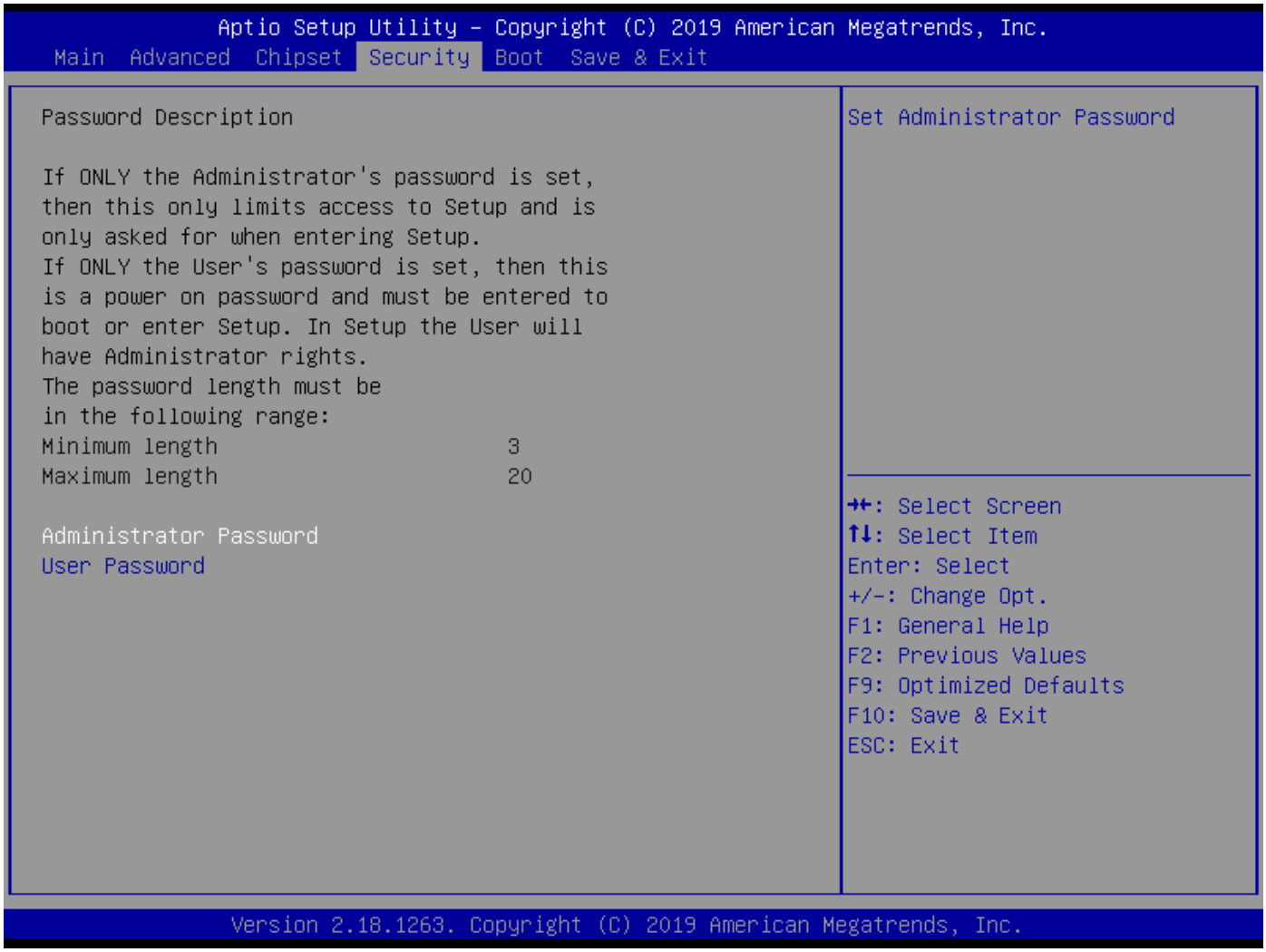
3.3.3 PCH-IO Configuration (South Bridge Settings)



SATA And RST Configuration Configuration: SATA interface information and settings

USB Configuration: USB information and settings

3.4 Security (password setting)



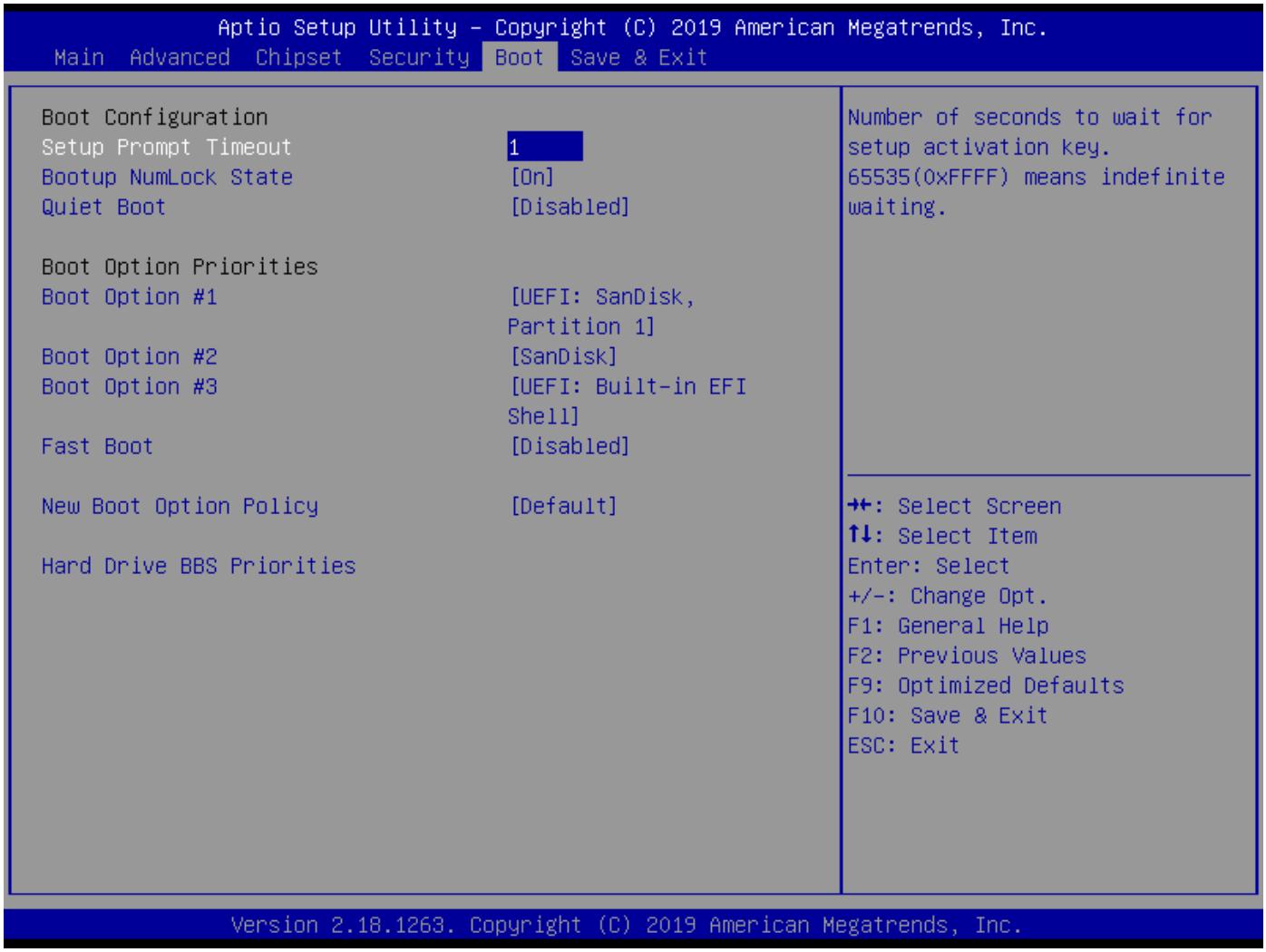
Administrator Password:

This prompt line is used to set the superuser password

User Password:

This prompt line is used to set the common user password

3.5 BOOT (startup item settings)



Setup Prompt Timeout: Set the prompt timeout time , the waiting time for pressing the Setup shortcut key , if you do not press the Setup shortcut key within the set time, it will continue to start

Bootup Num Lock State: This function allows to activate the Num Lock function of the keypad after the system is powered on to the DOS system . The default value is On, that is, the number lock is on when the system starts ; if it is set to Off , the keypad is in the cursor control state when starting

Quiet Boot: Custom boot LOGO display switch (Disabled is off, Enabled is on)

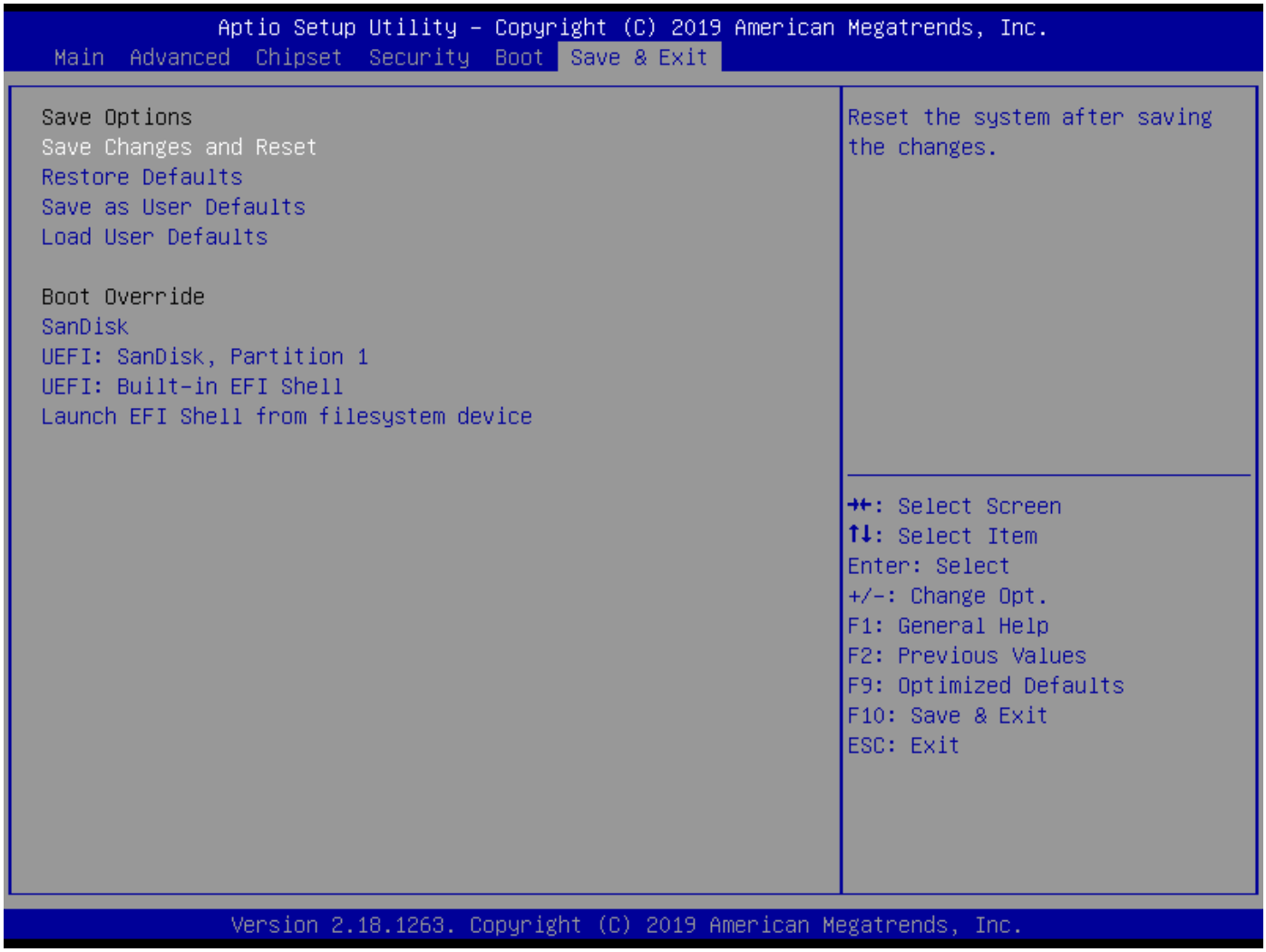
Fast Boot: Quick start (Disabled is off, Enabled is on)

New Boot Option Policy: The system will detect devices in the set order until it finds a bootable device , and then boot from this device . Boot option #1 is the most preferred boot device

Hard Drive BBS Priorities: hard drive boot priority setting (this option is available only when the hard drive is connected)

You can also directly select the specified device to start by pressing F11 at startup

3.6 Save & Exit (save and exit)



Save Changes and Reset: save the BIOS settings and exit the setting interface , continue to start the computer

Restore Defaults : restore defaults

Save as User Defaults : Save as user defaults

Load User Defaults : load user defaults

Boot Override: Select the specified boot device , such as SATA hard disk , U disk , EFI Shell , PXE, etc. , to start directly

Chapter Four, Analysis and Solution of Common Faults

Common malfunctions	checking point
Does not turn on after power on	1. Please confirm whether the power cable is connected properly 2. Please confirm whether the power supply used meets the power supply requirements of the motherboard 3. Try to reseat the memory module 4. Try to replace the memory module 5. Try to clear the motherboard CMOS according to the motherboard manual 6. Please confirm whether there is an external card, whether it is normal after removing the external card
VGA does not display after power on	1 Check if the display is turned on 2 Check if the power cord is properly connected to the monitor and system unit 3 Check if the monitor cable is properly connected to the system unit and the monitor 4 Check whether the brightness control of the display screen is set to a dark state, and the brightness can be increased through the brightness control. For details, refer to the operating instructions of the display 5 The monitor is in the "power saving" mode, press any key on the keyboard to
BIOS settings cannot be saved	1. Please confirm whether the CMOS battery voltage is lower than 2.8V, if it is lower than 2.8V, please replace with a new battery, reset and save 2. The BIOS settings are incorrect. According to the key (DEL) prompted on the boot screen, in BIOS Adjust time and date in
Prompt can not find a bootable device	1. Please confirm whether the power cable and data cable of the hard disk are connected properly 2. Please confirm whether the hard disk is physically damaged 3. Please confirm whether the operating system is installed normally in the hard disk
Blue screen or crash when entering the system	1. Please confirm whether the memory module and external card are loose 2. Try to remove the newly installed hardware, uninstall the driver or software 3. Try replacing the memory 4. Try to enter the BIOS to change the hard disk mode
slow to enter the operating system	1. Try to use third-party software to check whether the hard disk has bad sectors 2. Please confirm whether the remaining space of the partition where the system is located is too small 3. Please confirm whether the CPU cooling fan is running normally
System restarts automatically	1. Please confirm whether the CPU cooling fan is running normally 2. Please confirm whether the reset button of the industrial computer is triggered by mistake 3. Please use anti-virus software to confirm whether the system is infected with viruses 4. Please confirm whether the memory module and external card are loose 5. Please confirm whether the load capacity of the power supply used is sufficient, and you can try to replace the power supply 6. Try replacing the memory

Unable to detect USB device	**1. Please confirm whether the USB device needs a separate power supply** **2. Please confirm whether the USB interface is in poor contact** **3. Please confirm whether the USB controller is enabled in BIOS Setup**
LVDS point screen does not display	**1. Connect the VGA to boot and enter the BIOS to confirm whether the LVDS switch is turned on and whether the resolution is adjusted to meet the requirements** **2. Please confirm whether LVDS_PWR is adjusted to the corresponding working voltage** **3. Please confirm whether the ON/OFF pins of the backlight power supply are inserted correctly and whether there is voltage** **4. Please confirm whether the screen cable is plugged in correctly** **5. Please confirm whether the screen itself can work normally**
LVDS dot screen color blur/ghosting	**1. Please try to boot into the BIOS setup screen corresponding to the number of digits (18bit or 24bit)** **2. Please confirm whether the screen cable is damaged** **3. Please confirm whether the screen itself can work normally** **4. Please try to change the line sequence of the screen line** **5. Please try to replace the memory**