



NAB-9602

User Manual

Version 1.0

Published September 2017

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- (2) this device must accept any interference received, including interference that may cause undesired operation.

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The Lithium battery adopted on this motherboard contains Perchlorate, a toxic substance controlled in Perchlorate Best Management Practices (BMP) regulations passed by the California Legislature. When you discard the Lithium battery in California, USA, please follow the related regulations in advance.

“Perchlorate Material-special handling may apply, see www.dtsc.ca.gov/hazardouswaste/perchlorate”

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Chapter 1: Introduction

Thank you for purchasing ASRock **NAB-9602** motherboard, a reliable motherboard produced under ASRock's consistently stringent quality control. It delivers excellent performance with robust design conforming to ASRock's commitment to quality and endurance.

In this manual, chapter 1 and 2 contain introduction of the motherboard and step-by-step guide to the hardware installation. Chapter 3 and 4 contain the configuration guide to BIOS setup and information of the Support CD.



Because the motherboard specifications and the BIOS software might be updated, the content of this manual will be subject to change without notice. In case any modifications of this manual occur, the updated version will be available on ASRock website without further notice. You may find the latest VGA cards and CPU support lists on ASRock website as well. ASRock website <http://www.asrock.com>

If you require technical support related to this motherboard, please visit our website for specific information about the model you are using. www.asrock.com/support/index.asp

1.1 Package Contents

ASRock **NAB-9602** Motherboard (200 x 140mm (7.9-in x 5.5-in))

ASRock **NAB-9602** Driver CD

ASRock **NAB-9602** Jumper Setting Instruction

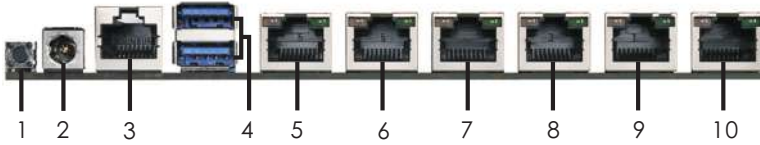
1.2 Specifications

Form Factor	Dimensions	200 x 140mm (7.9-in x 5.5-in)
	Processor System	
	CPU	Intel® Apollo Lake SoC Processor
	Core Number	(By CPU, Max 4)
	Max Speed	(By CPU)
	L2 Cache	(By CPU)
	Chipset	(By CPU)
	BIOS	UEFI
Expansion Slot	PCIe	1 x PCIe x1 slot
	Mini-PCIe	1 (half size, supports PCIe x1 and USB device)
	mSATA	0
	M.2	1 x M.2 Slot (Key E), supports type 2230 for WiFi + BT Module 1 x M.2 Slot (Key M), supports type 2242/2280 M.2 for SATA only
Memory	Technology	Single Channel DDR3L 1867MHz
	Max.	8GB
	Socket	1 x SO-DIMM
Graphics	Controller	Intel® HD Graphics
	VRAM	Shared Memory
	VGA	1
	DVI	No
	LVDS	No
	HDMI	No
	DisplayPort	No
	MultiDisplay	No
Ethernet	Interface	10/100/1000 Mbps
	Controller	6 x Intel® i211
	Connector	6 x RJ45
SATA	Max Data Transfer Rate	SATA3 (6.0Gb/s)

Rear I/O	VGA	0
	DVI	0
	HDMI	0
	DisplayPort	0
	Ethernet	6 x RJ45
	USB	2 x USB 3.0
	Audio	0
	Serial	1 x RJ45 (No LED) COM port
	PS/2	0
Internal Connector	USB	0
	LVDS/ Inverter	0
	eDP	0
	VGA	1
	Serial	1 x COM (supports RS-232 only)
	SATA	1
	mPCIe	0
	Parallel	0
	IrDA	0
	GPIO 8-bit	4 x GPI + 4 x GPO
	SATA PWR Output Con	1
	Speaker Header	0
Watchdog Timer	Output	Output from super I/O to drag RESETCON#
	Interval	256 Segments, 0,1,2...255 Sec/Min
Power Requirements	Input PWR	12V DC-in Jack / 4-pin ATX PWR Con.
	Power On	AT/ATX Supported AT: Directly PWR on as power input ready ATX: Press button to PWR on after power input ready
Environment	Temperature	0°C – 60°C

-
- 1 : UPS Module Power Input Connector
 - 2 : ATX Power Connector
 - 3 : USB Power Setting Jumper (USB3_PWR1)
 - 4 : USB2.0 Connector (USB2_2_3)
 - 5 : SATA3 Connector (SATA_1)
 - 6 : SATA Power Output Connector
 - 7 : ATX/AT Mode Select (PWR_JP1)
 - 8 : 4-Pin CPU FAN Connector (+12V)
 - 9 : VGA Connector
 - 10 : LLED1
 - 11 : LLED2
 - 12 : LLED3
 - 13 : LLED4
 - 14 : LLED5
 - 15 : LLED6
 - 16 : LPC Header
 - 17 : System Panel Header
 - 18 : Panel LED
 - 19 : Clear CMOS Header (CLRMOS1)
 - 20 : COM Port Header (COM2) (RS232)
 - 21 : PWR_COM2
 - 22 : Chassis Intrusion Headers (CI1, CI2)
 - 23 : Buzzer
 - 24 : Clear CMOS Jumper (CLRMOS2)
 - 25 : 4-Pin Chassis FAN Connector (+12V)
 - 26 : Digital Input / Output Pin Header
 - 27 : Digital Input / Output Power Select (JGPIO_PWR1)
 - 28 : Digital Input / Output Default Value Setting (JGPIO_SET1)
 - 29 : COM Port (COM1) (RS232)
 - 30 : PWR_COM1

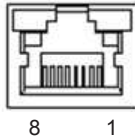
1.4 I/O Panel



- | | | | |
|---|--------------------------|----|-------------------------|
| 1 | Reset Switch (RSTBTN1) | 6 | LAN RJ-45 Port (LAN2)** |
| 2 | DC Jack (DC_JACK1) | 7 | LAN RJ-45 Port (LAN3)** |
| 3 | COM Port (COM1)* | 8 | LAN RJ-45 Port (LAN5)** |
| 4 | USB 3.0 Ports (USB3_0_1) | 9 | LAN RJ-45 Port (LAN4)** |
| 5 | LAN RJ-45 Port (LAN1)** | 10 | LAN RJ-45 Port (LAN6)** |

* Please refer to below table for COM port pin definition.

PIN	Signal Name
1	DCD
2	RXD
3	TXD
4	DTR
5	GND
6	DSR
7	RTS
8	CTS



** There are two LED next to the LAN port. Please refer to the table below for the LAN port LED indications.

LAN Port LED Indications

SPEED LED

Status	Description
Off	10Mbps connection
Amber	100Mbps connection
Green	1Gbps connection

Activity/Link LED

Status	Description
Off	No Link
Blinking	Data Activity
On	Link

SPEED LED ACT/LINK LED



LAN Port

Chapter 2: Installation

This is a 200 x 140mm (7.9-in x 5.5-in) form factor motherboard. Before you install the motherboard, study the configuration of your chassis to ensure that the motherboard fits into it.



Make sure to unplug the power cord before installing or removing the motherboard. Failure to do so may cause physical injuries to you and damages to motherboard components.

2.1 Screw Holes

Place screws into the holes to secure the motherboard to the chassis.



Do not over-tighten the screws! Doing so may damage the motherboard.

2.2 Pre-installation Precautions

Take note of the following precautions before you install motherboard components or change any motherboard settings.

1. Unplug the power cord from the wall socket before touching any component.
2. To avoid damaging the motherboard components due to static electricity, NEVER place your motherboard directly on the carpet or the like. Also remember to use a grounded wrist strap or touch a safety grounded object before you handle components.
3. Hold components by the edges and do not touch the ICs.
4. Whenever you uninstall any component, place it on a grounded antistatic pad or in the bag that comes with the component.



Before you install or remove any component, ensure that the power is switched off or the power cord is detached from the power supply. Failure to do so may cause severe damage to the motherboard, peripherals, and/or components.

2.3 Expansion Slots (mini-PCIe and M.2 Slots)

There is 1 mini-PCIe slot and 2 M.2 slots on this motherboard.

mini-PCIe slot:

MINI_PCIE1 (mini-PCIe slot; full/half size) is used for PCI Express mini cards.

M.2 slots:

M2_1 (Key E M.2 slot) supports type 2230 for WiFi + BT Module (BT function shares from internal USB).

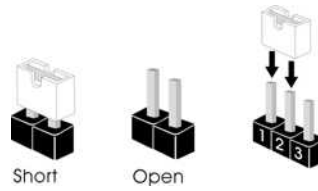
M2_2 (Key M M.2 slot) supports type 2242/2280 M.2 for SATA only.

Installing an expansion card

- Step 1. Before installing the expansion card, please make sure that the power supply is switched off or the power cord is unplugged. Please read the documentation of the expansion card and make necessary hardware settings for the card before you start the installation.
- Step 2. Remove the system unit cover (if your motherboard is already installed in a chassis).
- Step 3. Remove the bracket facing the slot that you intend to use. Keep the screws for later use.
- Step 4. Align the card connector with the slot and press firmly until the card is completely seated on the slot.
- Step 5. Fasten the card to the chassis with screws.
- Step 6. Replace the system cover.

2.4 Jumpers Setup

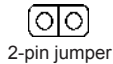
The illustration shows how jumpers are setup. When the jumper cap is placed on pins, the jumper is “Short”. If no jumper cap is placed on pins, the jumper is “Open”. The illustration shows a 3-pin jumper whose pin1 and pin2 are “Short” when jumper cap is placed on these 2 pins.



Clear CMOS Jumper

(2-pin CLRMOS2)

(see p.8, No. 24)



Open: Normal

Short: Auto Clear CMOS (Power Off)

Note: CLRMOS2 allows you to clear the data in CMOS. The data in CMOS includes system setup information such as system password, date, time, and system setup parameters. To clear and reset the system parameters to default setup, please turn off the computer and unplug the power cord, then use a jumper cap to short the pins on CLRMOS2 for 3 seconds. Please remember to remove the jumper cap after clearing the CMOS. If you need to clear the CMOS when you just finish updating the BIOS, you must boot up the system first, and then shut it down before you do the clear-CMOS action.

Clear CMOS Jumper

(3-pin CLRMOS1)

(see p.8, No. 19)



Default



Clear CMOS

Note: CLRMOS1 allows you to clear the data in CMOS. To clear and reset the system parameters to default setup, please turn off the computer and unplug the power cord from the power supply. After waiting for 15 seconds, use a jumper cap to short pin2 and pin3 on CLRMOS1 for 5 seconds. However, please do not clear the CMOS right after you update the BIOS. If you need to clear the CMOS when you just finish updating the BIOS, you must boot up the system first, and then shut it down before you do the clear-CMOS action. Please be noted that the password, date, time, user default profile and MAC address will be cleared only if the CMOS battery is removed.

Digital Input/Output Power Select

(3-pin JGPIO_PWR1)

(see p.8 No. 27)



1-2: +12V

2-3: +5V

ATX/AT Mode Select

(3-pin PWR_JP1)

(see p.8 No. 7)



1-2: AT Mode

2-3: ATX Mode

COM2 Pin9 PWR Setting Jumpers

(3-pin PWR_COM1)

(see p.8 No. 30)

(3-pin PWR_COM2)

(see p.8 No. 21)



1-2: +5V

2-3: +12V

Digital Input / Output Default Value Setting

(3-pin JGPIO_SET1)

(see p.8 No. 28)



1-2: Pull-High

2-3: Pull-Low

USB Power Setting Jumpers

(3-pin USB3_PWR1)

(see p.8 No. 3)

(3-pin USB3_PWR2)

(see p.8 No. 29)



1-2: +5V

2-3: +5VSB

2.5 Onboard Headers and Connectors



Onboard headers and connectors are NOT jumpers. Do NOT place jumper caps over these headers and connectors. Placing jumper caps over the headers and connectors will cause permanent damage of the motherboard!

SATA3 Connector

(SATA_1: see p.8, No. 5)

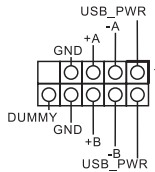


This Serial ATA3 (SATA3) connector supports SATA data cables for internal storage devices. The current SATA3 interface allows up to 6.0 Gb/s data transfer rate.

USB 2.0 Header

(9-pin USB2_2_3)

(see p.8 No. 4)

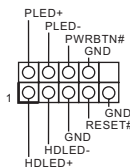


There is one USB 2.0 header on this motherboard.

System Panel Header

(9-pin PANEL1)

(see p.8 No. 17)



This header accommodates several system front panel functions.



Connect the power switch, reset switch and system status indicator on the chassis to this header according to the pin assignments below. Note the positive and negative pins before connecting the cables.

PWRBTN (Power Switch):

Connect to the power switch on the chassis front panel. You may configure the way to turn off your system using the power switch.

RESET (Reset Switch):

Connect to the reset switch on the chassis front panel. Press the reset switch to restart the computer if the computer freezes and fails to perform a normal restart.

PLED (System Power LED):

Connect to the power status indicator on the chassis front panel. The LED is on when the system is operating. The LED keeps blinking when the system is in S1 sleep state. The LED is off when the system is in S3/S4 sleep state or powered off (S5).

HDLED (Hard Drive Activity LED):

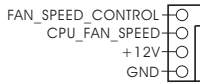
Connect to the hard drive activity LED on the chassis front panel. The LED is on when the hard drive is reading or writing data.

The front panel design may differ by chassis. A front panel module mainly consists of power switch, reset switch, power LED, hard drive activity LED, speaker and etc. When connecting your chassis front panel module to this header, make sure the wire assignments and the pin assignments are matched correctly.

CPU Fan Connector

(4-pin CPU_FAN1)

(see p.8 No. 8)

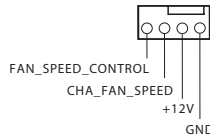


Please connect the fan cable to the fan connector and match the black wire to the ground pin.

Chassis Fan Connector

(4-pin CHA_FAN1)

(see p.8 No. 25)



Please connect the fan cable to the fan connector and match the black wire to the ground pin.

ATX Power Connector

(4-pin FROM_UPS1)

(see p.8 No. 2)



Please connect a DC power supply to this connector.
1-4 : GND
2-3 : DC Input

UPS Module Power Input Connector

(2-pin TO_UPS1)

(see p.8 No. 1)

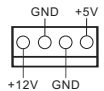


Please connect a DC power supply to this connector.
Pin1 : GND
Pin2 : DC Input

SATA Power Output Connector

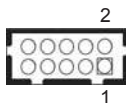
(4-pin SATA_PWR1)

(see p.8 No. 6)



COM Port Header (RS232)

(10-pin COM2)
(see p.8 No. 20)



PIN	Signal Name	PIN	Signal Name	PIN	Signal Name	PIN	Signal Name	PIN	Signal Name
10	N/A	8	CCTS#	6	DDSR#	4	DDTR#	2	RRXD
9	PWR	7	RRTS#	5	GND	3	TTXD	1	DDCD#

Buzzer Header

(2-pin BUZZ1)
(see p.8 No. 23)



Chassis Intrusion Headers

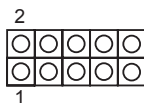
(2-pin CI1, CI2)
(see p.8 No. 22)



This motherboard supports CASE OPEN detection feature that detects if the chassis cover has been removed. This feature requires a chassis with chassis intrusion detection design.

Digital Input/Output Pin Header

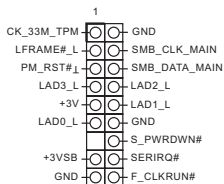
(10-pin JGPIO1)
(see p.8 No. 26)



PIN	Signal Name	PIN	Signal Name	PIN	Signal Name	PIN	Signal Name	PIN	Signal Name
2	SIO_GP20	4	SIO_GP21	6	SIO_GP22	8	SIO_GP23	10	GND
1	SIO_GP24	3	SIO_GP25	5	SIO_GP26	7	SIO_GP27	9	JGPIO_PWR

LPC Header

(19-pin LPC1)
(see p.8 No. 16)

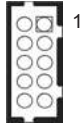


This connector supports Trusted Platform Module (TPM) system, which can securely store keys, digital certificates, passwords, and data. A TPM system also helps enhance network security, protects digital identities, and ensures platform integrity.

VGA Connector

(10-pin VGA_H1)

(see p.8 No. 9)



PIN	Signal Name	PIN	Signal Name
2	GND	1	RED
4	GND	3	GREEN
6	GND	5	BLUE
8	VSYNC	7	HSYNC
10	DDC_DATA	9	DDC_CLK

Chapter 3: UEFI SETUP UTILITY

3.1 Introduction

This section explains how to use the UEFI SETUP UTILITY to configure your system. The UEFI chip on the motherboard stores the UEFI SETUP UTILITY. You may run the UEFI SETUP UTILITY when you start up the computer. Please press <F2> or during the Power-On-Self-Test (POST) to enter the UEFI SETUP UTILITY, otherwise, POST will continue with its test routines.

If you wish to enter the UEFI SETUP UTILITY after POST, restart the system by pressing <Ctl> + <Alt> + <Delete>, or by pressing the reset button on the system chassis. You may also restart by turning the system off and then back on.



Because the UEFI software is constantly being updated, the following UEFI setup screens and descriptions are for reference purpose only, and they may not exactly match what you see on your screen.

3.1.1 UEFI Menu Bar

The top of the screen has a menu bar with the following selections:

Main	To set up the system time/date information
Advanced	To set up the advanced UEFI features
H/W Monitor	To display current hardware status
Security	To set up the security features
Boot	To set up the default system device to locate and load the Operating System
Exit	To exit the current screen or the UEFI SETUP UTILITY

Use <←> key or <→> key to choose among the selections on the menu bar, and then press <Enter> to get into the sub screen. You can also use the mouse to click your required item.

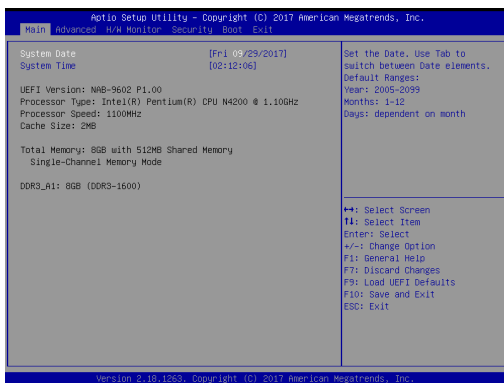
3.1.2 Navigation Keys

Please check the following table for the function description of each navigation key.

Navigation Key(s)	Function Description
← / →	Moves cursor left or right to select Screens
↑ / ↓	Moves cursor up or down to select items
+ / -	To change option for the selected items
<Enter>	To bring up the selected screen
<F1>	To display the General Help Screen
<F7>	Discard changes
<F9>	To load optimal default values for all the settings
<F10>	To save changes and exit the UEFI SETUP UTILITY
<F12>	Print screen
<ESC>	To jump to the Exit Screen or exit the current screen

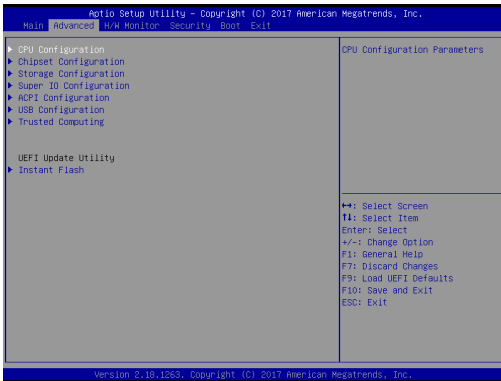
3.2 Main Screen

When you enter the UEFI SETUP UTILITY, the Main screen will appear and display the system overview.



3.3 Advanced Screen

In this section, you may set the configurations for the following items: CPU Configuration, Chipset Configuration, Storage Configuration, Super IO Configuration, ACPI Configuration, USB Configuration and Trusted Computing.

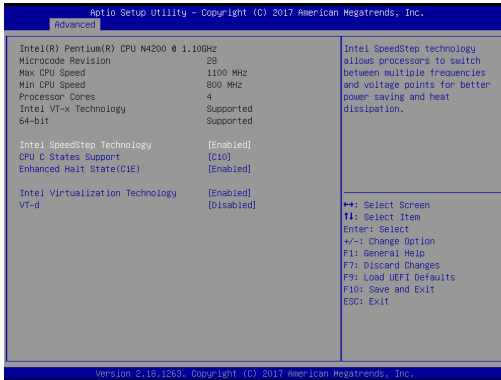


Setting wrong values in this section may cause the system to malfunction.

Instant Flash

Instant Flash is a UEFI flash utility embedded in Flash ROM. This convenient UEFI update tool allows you to update system UEFI without entering operating systems first like MS-DOS or Windows®. Just launch this tool and save the new UEFI file to your USB flash drive, floppy disk or hard drive, then you can update your UEFI only in a few clicks without preparing an additional floppy diskette or other complicated flash utility. Please be noted that the USB flash drive or hard drive must use FAT32/16/12 file system. If you execute Instant Flash utility, the utility will show the UEFI files and their respective information. Select the proper UEFI file to update your UEFI, and reboot your system after UEFI update process completes.

3.3.1 CPU Configuration



Intel SpeedStep Technology

Intel SpeedStep technology is Intel's new power saving technology. Processors can switch between multiple frequencies and voltage points to enable power saving. The default value is [Enabled]. Configuration options: [Enabled] and [Disabled]. If you install Windows® OS and want to enable this function, please set this item to [Enabled]. This item will be hidden if the current CPU does not support Intel SpeedStep technology.



Please note that enabling this function may reduce CPU voltage and lead to system stability or compatibility issues with some power supplies. Please set this item to [Disabled] if above issues occur.

CPU C States Support

Enable CPU C States Support for power saving. It is recommended to keep C3, C6 and C7 all enabled for better power saving.

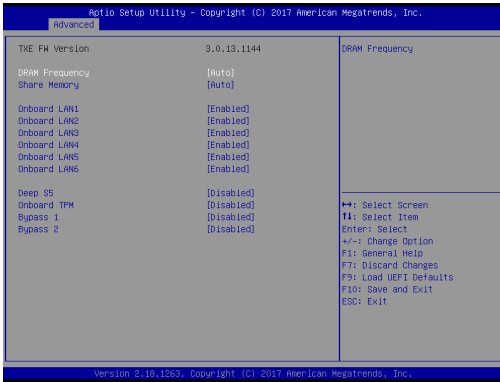
Enhanced Halt State (C1E)

Enable Enhanced Halt State (C1E) for lower power consumption.

Intel Virtualization Technology

When this option is set to [Enabled], a VMM (Virtual Machine Architecture) can utilize the additional hardware capabilities provided by Vanderpool Technology. This option will be hidden if the installed CPU does not support Intel Virtualization Technology.

3.3.2 Chipset Configuration



DRAM Frequency

If [Auto] is selected, the motherboard will detect the memory module(s) inserted and assign the appropriate frequency automatically.

Share Memory

Configure the size of memory that is allocated to the integrated graphics processor when the system boots up.

Onboard LAN 1

This allows you to enable or disable the Onboard LAN 1 feature.

Onboard LAN 2

This allows you to enable or disable the Onboard LAN 2 feature.

Onboard LAN 3

This allows you to enable or disable the Onboard LAN 3 feature.

Onboard LAN 4

This allows you to enable or disable the Onboard LAN 4 feature.

Onboard LAN 5

This allows you to enable or disable the Onboard LAN 5 feature.

Onboard LAN 6

This allows you to enable or disable the Onboard LAN 6 feature.

Deep S5

Mobile platforms support Deep S5 in DC only and desktop platforms support Deep S5 in AC only. The default value is [Disabled].

Onboard TPM

Enable or disable onboard TPM.

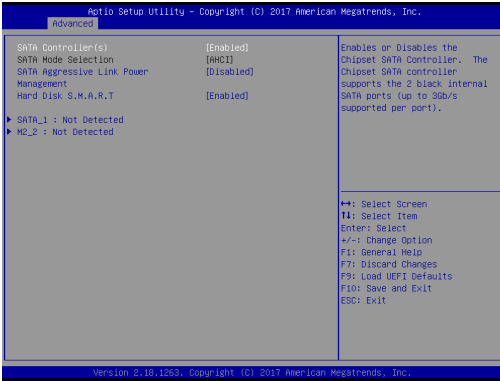
Bypass 1

System turn to bypass function status when in S0. The default value is [OFF].

Bypass 2

System turn to bypass function status when in S0 to S5. The default value is [ON].

3.3.3 Storage Configuration



SATA Controller(s)

Use this item to enable or disable the SATA Controller feature.

SATA Mode Selection

Use this to select SATA mode. Configuration options: [IDE Mode] and [AHCI Mode]. The default value is [AHCI Mode].



AHCI (Advanced Host Controller Interface) supports NCQ and other new features that will improve SATA disk performance but IDE mode does not have these advantages.

SATA Aggressive Link Power Management

Use this item to configure Aggressive Link Power Management.

Hard Disk S.M.A.R.T.

Use this item to enable or disable the S.M.A.R.T. (Self-Monitoring, Analysis, and Reporting Technology) feature. Configuration options: [Disabled] and [Enabled].

3.3.4 Super IO Configuration



COM1 Configuration

Use this to set parameters of COM1.

COM2 Configuration

Use this to set parameters of COM2.

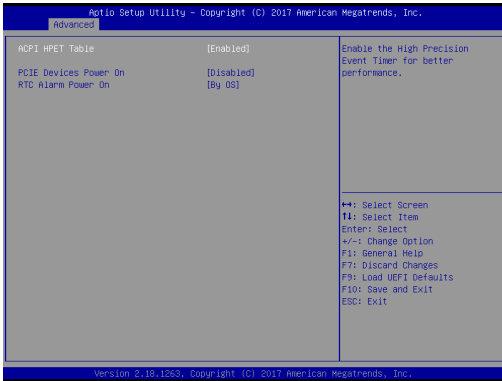
WDT Timeout Reset

This allows users to enable/disable the Watch Dog Timer timeout to reset system. The default value is [Disabled].

Watch Dog Control Function

The default value is [Reset].

3.3.5 ACPI Configuration



ACPI HPET Table

Use this item to enable or disable ACPI HPET Table. The default value is [Enabled]. Please set this option to [Enabled] if you plan to use this motherboard to submit Windows® certification.

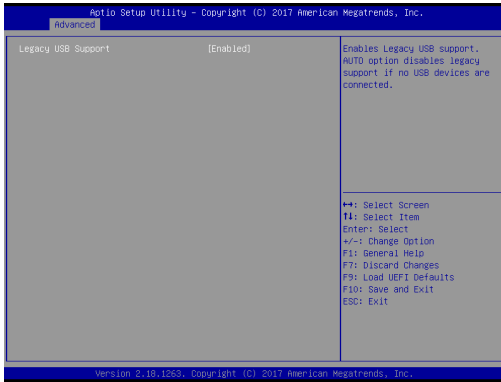
PCIe Devices Power On

Allow the system to be waked up by a PCIe device and enable wake on LAN.

RTC Alarm Power On

Use this item to enable or disable RTC (Real Time Clock) to power on the system.

3.3.6 USB Configuration



Legacy USB Support

Use this option to select legacy support for USB devices. There are four configuration options: [Enabled], [Auto] and [UEFI Setup Only]. The default value is [Auto]. Please refer to below descriptions for the details of these four options:

[Enabled] - Enables support for legacy USB.

[Auto] - Enables legacy support if USB devices are connected.

[UEFI Setup Only] - USB devices are allowed to use only under UEFI setup and Windows / Linux OS.

3.3.7 Trusted Computing

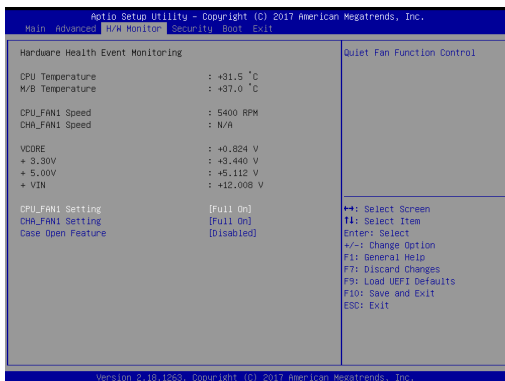


Security Device Support

Enable or disable BIOS support for security device.

3.4 Hardware Health Event Monitoring Screen

In this section, it allows you to monitor the status of the hardware on your system, including the parameters of the CPU temperature, motherboard temperature, CPU fan speed, chassis fan speed, and the critical voltage.



CPU_Fan1 Setting

This allows you to set CPU fan 1's speed. Configuration options: [Full On] and [Automatic Mode]. The default value is [Full On].

CHA_Fan1 Setting

This allows you to set Chassis fan 1's speed. Configuration options: [Full On] and [Automatic Mode]. The default value is [Full On].

Case Open Feature

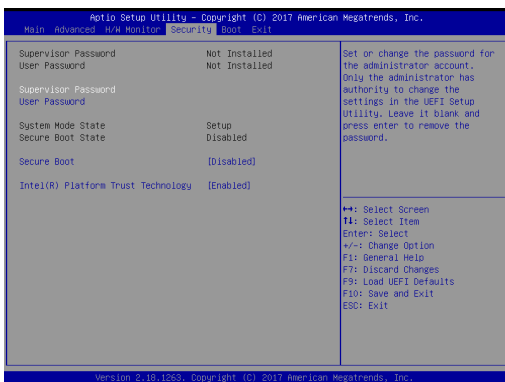
This allows you to enable or disable case open detection feature. The default is value [Disabled].

Clear Status

This option appears only when the case open has been detected. Use this option to keep or clear the record of previous chassis intrusion status.

3.5 Security Screen

In this section, you may set, change or clear the supervisor/user password for the system.



Supervisor Password

Set or change the password for the administrator account. Only the administrator has authority to change the settings in the UEFI Setup Utility. Leave it blank and press enter to remove the password.

User Password

Set or change the password for the user account. Users are unable to change the settings in the UEFI Setup Utility. Leave it blank and press enter to remove the password.

Secure Boot

Enable to support Windows Secure Boot.

3.6 Boot Screen

In this section, it will display the available devices on your system for you to configure the boot settings and the boot priority.



Boot From Onboard LAN

Use this item to enable or disable the Boot From Onboard LAN feature.

Setup Prompt Timeout

This shows the number of seconds to wait for setup activation key. 65535(0XFFFF) means indefinite waiting.

Startup Num-Lock

If this item is set to [On], it will automatically activate the Numeric Lock function after boot-up.

Boot Beep

Select whether the Boot Beep should be turned on or off when the system boots up. Please note that a buzzer is needed.

Full Screen Logo

Use this item to enable or disable OEM Logo. The default value is [Disabled].

CSM (Compatibility Support Module)



CSM

Enable to launch the Compatibility Support Module. Please do not disable unless you're running a WHCK test.

Launch PXE OpROM Policy

Select UEFI only to run those that support UEFI option ROM only. Select Legacy only to run those that support legacy option ROM only. Select Do not launch to not execute both legacy and UEFI option ROM.

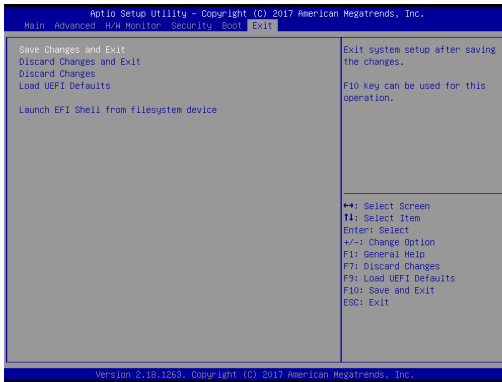
Launch Storage OpROM Policy

Select UEFI only to run those that support UEFI option ROM only. Select Legacy only to run those that support legacy option ROM only. Select Do not launch to not execute both legacy and UEFI option ROM.

Launch Video OpROM Policy

Select UEFI only to run those that support UEFI option ROM only. Select Legacy only to run those that support legacy option ROM only. Select Do not launch to not execute both legacy and UEFI option ROM.

3.7 Exit Screen



Save Changes and Exit

When you select this option, it will pop-out the following message, "Save configuration changes and exit setup?" Select [OK] to save the changes and exit the UEFI SETUP UTILITY.

Discard Changes and Exit

When you select this option, it will pop-out the following message, "Discard changes and exit setup?" Select [OK] to exit the UEFI SETUP UTILITY without saving any changes.

Discard Changes

When you select this option, it will pop-out the following message, "Discard changes?" Select [OK] to discard all changes.

Load UEFI Defaults

Load UEFI default values for all the setup questions. F9 key can be used for this operation.

Launch EFI Shell from filesystem device

Attempts to Launch EFI Shell application (Shell64.efi) from one of the available filesystem devices.

Chapter 4: Software Support

4.1 Install Operating System

This motherboard supports Microsoft® Windows® operating systems: 10 64-bit. Because motherboard settings and hardware options vary, use the setup procedures in this chapter for general reference only. Refer to your OS documentation for more information.

4.2 Support CD Information

The Support CD that came with the motherboard contains necessary drivers and useful utilities that enhance the motherboard's features.

4.2.1 Running The Support CD

To begin using the support CD, insert the CD into your CD-ROM drive. The CD automatically displays the Main Menu if "AUTORUN" is enabled in your computer. If the Main Menu did not appear automatically, locate and double click on the file "ASRSETUP.EXE" from the BIN folder in the Support CD to display the menus.

4.2.2 Drivers Menu

The Drivers Menu shows the available device's drivers if the system detects installed devices. Please install the necessary drivers to activate the devices.

4.2.3 Utilities Menu

The Utilities Menu shows the application software that the motherboard supports. Click on a specific item then follow the installation wizard to install it.

4.2.4 Contact Information

If you need to contact ASRock or want to know more about ASRock, you're welcome to visit ASRock's website at <http://www.asrock.com>; or you may contact your dealer for further information.