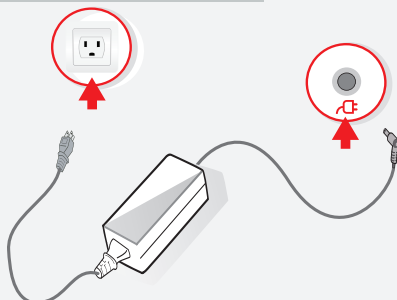




Start Here

1

Plug Power Adapter Into Wall Outlet



2

Plug Power Adapter Into Laptop



3

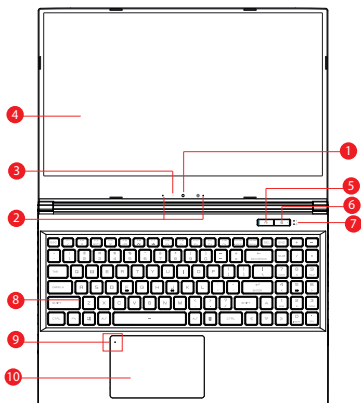
Press and Hold the Power Button



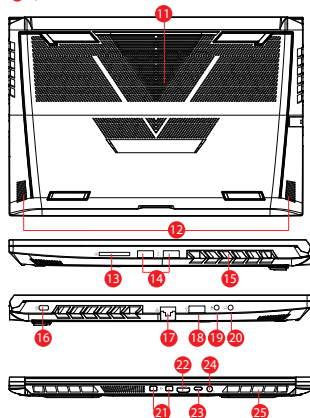
4

Follow the on screen Windows prompts to finish setting up

Exterior Features



- 1 Camera
- 2 Microphone
- 3 Camera Status LED
- 4 LCD screen
- 5 Turbo/Game/Office Mode Switch
- 6 Power Button
- 7 Battery/Caps Lock LED indicator
- 8 Keyboard
- 9 Touchpad LED indicator/ Touchpad switch
- 10 Touchpad/Click pad
- 11 Vents
- 12 Speaker



- 13 2 in 1 Card Reader
- 14 USB Port
- 15 Vents
- 16 Kensington® Lock Port
- 17 Network Jack
- 18 USB Ports
- 19 Mic In Jack
- 20 Audio Out Jack
- 21 Mini Display Port
- 22 HDMI port
- 23 USB TypeC Port
- 24 Power Connector
- 25 Vents

Caution: The AC adapter included with your PC was specifically designed and approved for your model. Utilization of an after-market adapter may damage either the notebook or other devices connected to it. If damage is determined to have been caused by utilization of an unauthorized power supply, it will not be protected under warranty.

For full user manual, please visit www.gatewayusa.com/support.

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www.gatewayusa.com | Customer Service: (877) 777-0649



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The illustrations in this user's manual are for reference only. Actual product specifications may vary with territories.

The information in this user's manual is subject to change without notice.

Chapter 1

Preface

1.1 Regulations Information

* CE compliance

This device is classed as a technical information equipment (ITE) in class B and is intended for use in living room and office. The CE-mark approves the conformity by the EU-guidelines:

- EMC Directive 2014/30/EU,
- Low Voltage Directive 2014/35/EU(equals A2 : 2013) ,
- RF Directive 2014/53/EU



The unit can be operated at an ambient temperature of max. 35°C (95°F). Do not subject it to temperatures below 5°C (41°F) or above 40°C (104 °F).

CAUTION: RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.



PREVENTION OF HEARING LOSS

CAUTION: Listening to music at high volume levels and for extended durations can damage one's hearing. In order to reduce the risk of damage to hearing, one should lower the volume to a safe, comfortable level, and reduce the amount of time listening at high levels. Headsets should comply with EN 50332-2 requirements.



FCC Information

FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.



CAUTION: Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment

RF Exposure Information(SAR)

This device meets the government's requirements for exposure to radio waves. This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

The exposure standard employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. Tests for SAR are conducted using standard operating positions accepted by the FCC with the EUT transmitting at the specified power level in different channels.

The FCC has granted an Equipment Authorization for this device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this device is on file with the FCC and can be found under the Display Grant section of www.fcc.gov/eot/ea/fccid after searching on FCC ID: 2AKHFAX200NG .

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.



CAUTION: Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

1.2 Safety Instructions



- 01 Do not apply heavy pressure to the computer or subject it to any form of strong impact as this can damage the computer's components or otherwise cause it to malfunction.
- 02 Never cover or block the air vents including those located at the base of the computer. Never cover your computer or AC adapter with any object.
- 03 To keep your computer in prime operating condition, protect your work area from direct sunlight.
- 04 Do NOT expose to or use near liquid, rain, or moisture. Do NOT use the modem during electrical storms.
- 05 Do not use or expose this device around magnetic fields as magnetic interference may affect the performance of the device.

1.3 Conventions for this Manual



CAUTION: This message contains important information that must be followed for safe operation.



NOTE : This message contains information for special situations.

1.3 Conventions for this Manual

Version	Date	Revision
1.0	01/2020	Initial release
2.0	05/2020	P15 Modify Wireless LAN
3.0	05/2020	P16 Add 4cells

Chapter 2

Getting to know the basics

2.1 Product Specification

This User’s Manual provides technical information of instructions and illustrations on how to operate this notebook for the customer. Please read this manual carefully before using this notebook.

PHYSICAL CHARACTERISTIC

•Dimension

359.8*243*19.9mm(panel=2.6mm)

359.8*243*20.5mm(panel=3.2mm)

1.9 kg +/- 5%

APU

•Support Processor

AMD Renoir H series

GPU

•Support Processor

NVIDIA RTX2060(N18E-G1-B-KD-A1) (GK5NR00)

NVIDIA GTX1650Ti(N18P-G62-B-KC-A1) (GK5NPFO)

NVIDIA GTX1650(N18P-G61-MP2-A1) (GK5NP50)

MEMORY

•RAM

DDR4 3200MHz

I/O PORT

DC-inx 1

USB.....USB 2.0 X 1

.....USB 3.1 X 2 (Gen1)

.....USB type C 3.1X 1 (Gen2)

RJ45.....x 1

HDMI.....x 1

Audio out & Mic inx 2

Mini DP.....x 2

Card Reader.....SD Card reader connector type

.....-Support SD/SDHC/SDXC card



AUDIO

•Audio Codec Realtek ALC274CG / AMP: Realtek ALC1306-CGT

*Azalia standard support

*D3 mode support

*Smart AMP support

•Speaker/MIC

*Build-in 2 speakers

*Speaker : 2W/each

*Digital Microphone support

DISPLAY

•LCD

15.6" FHD, 16:9,(Narrow)

1920x1080

INPUT

•Keyboard

Membrane single zone RGB backlight support, 340*109.2*3.6mm

•Pointing Device

TDA1470 (114.5*70*0.8mm)

TP mylar

Enable/Disable area :10mmx10mm

Palm Rejection:Support

COMMUNICATION PORT

•LAN

*Supports 10/100/1000 Mb/Sec

*PCI-E interface

*DSM (Deep sleep mode) support

• Wireless LAN +BT

*M.2 2230 w/ PCI-E interface (Intel WiFi6 AX series)

*IEEE802.11AX mode support

*IEEE 802.11 ac + Bluetooth v4.0 (AE key type) Intel 3168 (only for China)



Webcam

•Infrared capability for facial recognition camera

HD webcam with D-MIC

IR webcam with D-MIC*2 (Option)

Power

•AC Adapter

Automatics Voltage adjustment between 100 and 240VAC 50/60Hz, 180 Watts (19.5V/9.23A), 3 Pins (GK5NR00)

Automatics Voltage adjustment between 100 and 240VAC 50/60Hz, 120 Watts (19V/6.32A), 3 Pins (GK5NPFO/GK5NP50)

Battery

Li- polymer Battery, SW Gas Gauge IC, soft pack,

3 cells (3S1P 4100mAh) 46.74 Wh

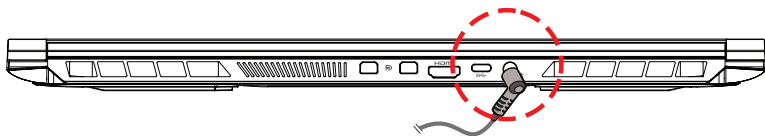
4 cells (4S1P 4100mAh) 62.32 Wh



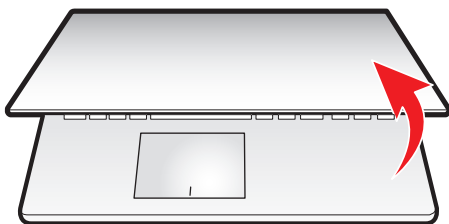
CAUTION: MODEL IS DESIGNED TO USE WITH THE DC INPUT: 180 Watts (19.5V/9.23A) or 120 Watts (19V/6.32A)

2.2 Preparing your Computer

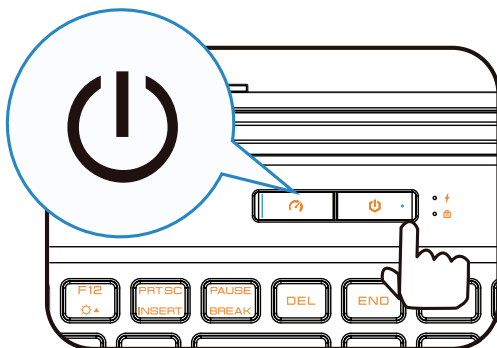
- A** Connect the AC adapter's DC output plug to the DC IN jack



- B** The display panel can be opened to a wide range of angles for optimal viewing.



- C** Press the power button to turn on your notebook computer.



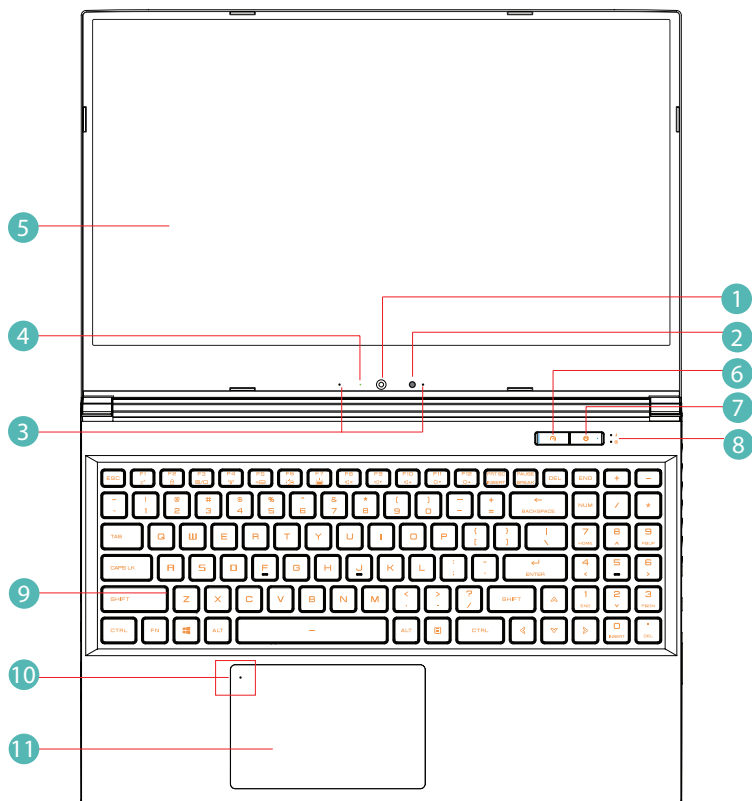
2.3 Product Overview

Please become familiar with each component before you operate the computer.

Top-Open View



NOTE : This message contains information for special situations.





1

Camera

A device that allows you to record video or take photographs with your computer.

2

Infrared capability for facial recognition camera  (Optional) can be used to identify and authenticate user to unlock notebook, conduct payment and other security functions.

3

Microphone

Built-in microphones.
IR CCD MIC*2(Optional)

4

Camera Status LED

The Camera Status LED shows the Camera status.

5

LCD screen

Displays of your notebook computer.

6

Turbo / Game / Office Mode Switch

On screen display



Turbo mode : White light (Bright) (Only for GK5NR00)



Game mode : White light (Faint light)



Office mode : no light (Default)



7

Power Button

Press this button to turn the computer's power on or off.

Power ON: White

Suspend: White, Slow / Smooth, Blinking White (3Sec/Cycle)

Power Off: OFF

8

Charging & Battery indicator



Charging(Power ON): White flash (3 sec/cycle)

Charging(Power Off): White flash (3 sec/cycle)



Battery Low (<6%): Orange flash (3 sec/cycle)

Charging finish (w/AC): White ,(w/o AC): Off

9

Keyboard

The keyboard provides keys with comfortable travel
(The keyboard legend will depend on the spec / region)

10

Touchpad LED indicator/ Touchpad switch

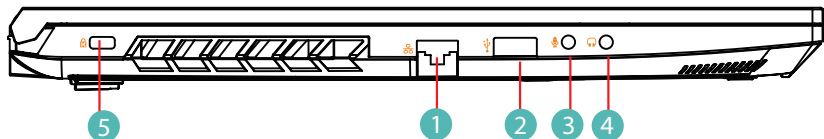
11

Touchpad/Click pad

Touch-sensitive pointing device which functions like the mouse.

Right Side View

Left Side View



1

Network Jack

This jack lets you connect to a LAN.

2

USB Port

Connects an USB device.
(such as USB Zip drive, keyboard or mouse) into this jack.

3

Mic In Jack

Connects amplified speakers, headphones or microphone into this jack.

4

Audio Out Jack

Connects amplified speakers, headphones or microphone into this jack

5

Kensington® Lock Port

To be secured using Kensington® Lock Port security products

Bottom Side View

Top-Open View



NOTE : The product's thermal vent will depend upon the actually shipping product.

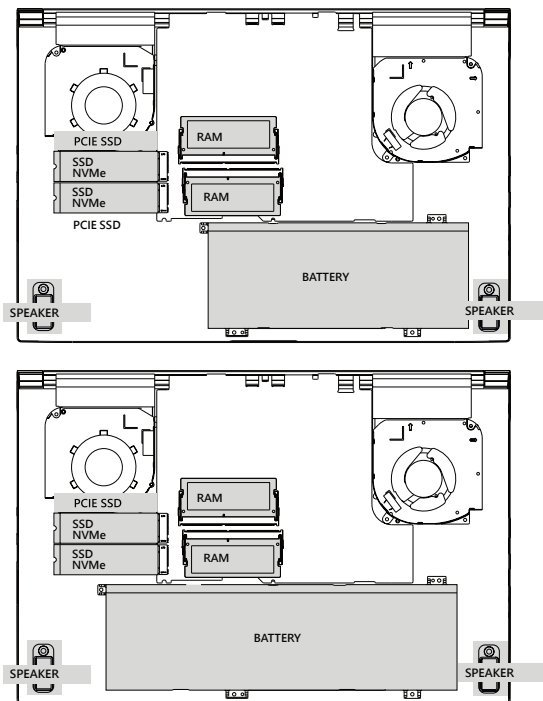
2

1 **Speaker**

Vents

- 2 The thermal vents are designed to cool the internal components and avoid overheating.

RAM / SSD / WLAN Compartment View (Optional)

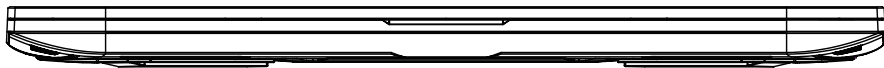


If need to upgrade SATA SSD to PCIE SSD, Please contact technical support and after-sales service .

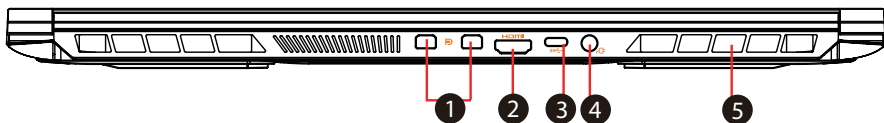


CAUTION: To reduce the possibility of heat-related injuries or of overheating the computer, Do not place the computer directly on your lap or obstruct the computer air vents. Use the computer only on a hard, flat surface.

Front Side View



Back Side View



Mini Display Port

- 01 Connected to the screen, or home theater system.

HDMI port

- 02 Connected to the screen, or home theater system

USB Port (USB Type C)

- 03 Connects an USB device (such as USB Zip drive, keyboard or mouse) into this jack. With charging function.

Power Connector

Connects the AC adapter into this connector.

Vents

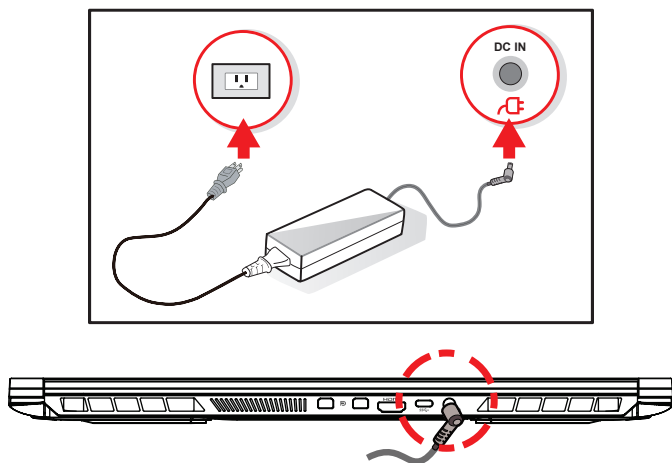
The thermal vents are designed to cool the internal components and avoid overheating.

Chapter 3

Getting started

3.1 AC Adapter

Please be noted that it is strongly recommended to connect the AC adapter and use the AC power while using this notebook for the first time. When the AC adapter is connected, the battery is being charged immediately. Attach the AC adapter when you need to charge the battery or you want to operate from AC power. It is also the fastest way to get started, because the battery pack will need to be charged before you can operate from battery power. Note that the AC adapter included in the package is approved for your notebook; using other adapter model may damage either the notebook or other devices attached to it.



CAUTION: The use of inferior extension cords may result in damage to your notebook. Your notebook comes with its own authorized AC adapter. Use of a different AC adapter or cable extension which is not authorized for use will void warranty protection if damage to hardware is found in association to said adapter or extension cable.



NOTE : The power adapter can become hot when in use. Please be sure the AC adapter is not covered with any materials keep it away from exposed parts of your body. The AC adapter appearance may vary depending on your region.

3.2 Knowing the Keyboard

The following defines the colored hot keys on the Keyboard. The colored commands can only be accessed by first pressing and holding the function key while pressing a key with a colored command



NOTE : The number of keys available on your keyboard will depend on the country/region in which the keyboard was designed and built.

3.2.1 For keyboard users

To activate these functions, press the hot key associated with the desired function as below :

Function Keys

Keypad	Function Description
 +  Suspend:	Press this key combination (Fn+F1) to enter sleep mode.
 +  Windows Lock/On:	Press this key combination (Fn+F2) to turn Windows Lock/On
 +  Display mode:	Press this key combination (Fn+F3) to enable Display Mode.
 +  RADIO On/Off:	Press this key combination (Fn+F4) to turn all radios on or off
 +  Touch pad On/Off:	Press this key combination (Fn+F5) to On/Off Touch pad mode.



Function Keys

Keypad	Function Description
 +  Keyboard Brightness down:	Press this key combination (Fn+F6) to decrease brightness of Keyboard.
 +  Keyboard Brightness up:	Press this key combination (Fn+F7) to increase brightness of Keyboard.
 +  MUTE:	Press this key combination (Fn+F8) to enter MUTE mode.
 +  Volume down:	Press this key combination (Fn+F9) to enter Volume down mode.
 +  Volume up:	Press this key combination (Fn+F10) to enter Volume up mode.
 +  Brightness down:	Press this key combination (Fn+F11) to decrease brightness of LCD display.
 +  Brightness up:	Press this key combination (Fn+F12) to increase brightness of LCD display.



Function Keys

Keypad	Function Description
 + 	Search Charm : (Optional)
 + 	Settings Charm : (Optional)
 + 	Share Charm : (Optional)
 + 	Devices Charm : (Optional)

Press this key combination (Windows logo key+Q) to open the search charm and search apps.

Press this key combination (Windows logo key+I) to open the settings charm.

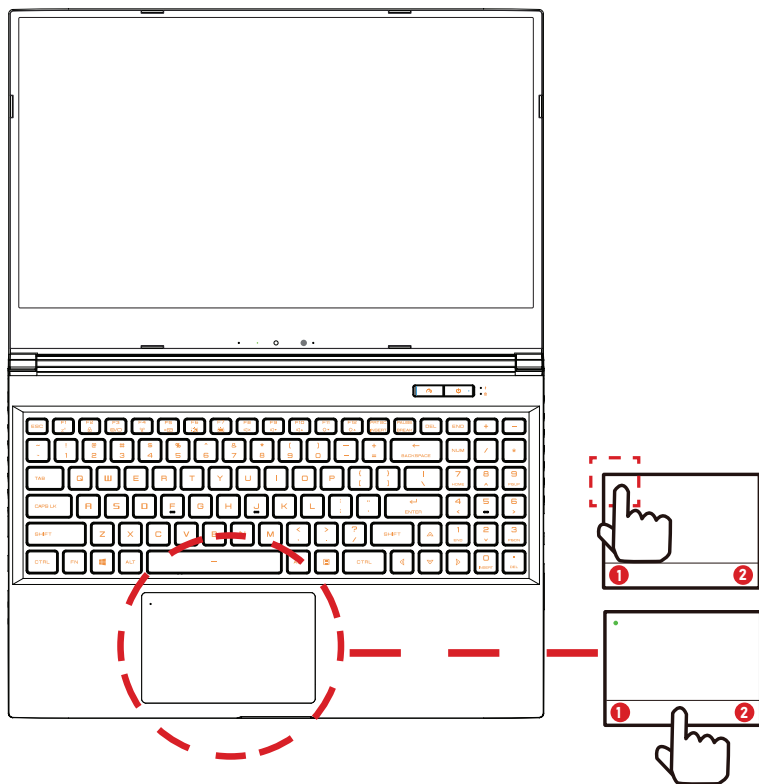
Press this key combination (Windows logo key+H) to open the share charm

Press this key combination (Windows logo key+K) to open the devices charm.

3.3 Using the touchpad / clickpad

The touchpad / clickpad is a rectangular electronic panel located just below your keyboard. Click twice left corner will open or close (White light) touchpad functionality. You can use the static-sensitive panel of the touchpad / clickpad and slide it to move the cursor. You can use the buttons below the touchpad as left and right mouse buttons.

Press the left **1** and right **2** buttons located on the edge of the touchpad / clickpad to make selections and run functions. These two buttons are similar to the left and right buttons on a mouse. Tapping on the touchpad / clickpad produces similar results.



Chapter 4

BIOS setup

4.1 About BIOS Setup

4.1.1 When to Use BIOS Setup ?

You may need to run the BIOS Setup when:

- An error message appears on the screen during the system booting up and is requested to run SETUP.
- You want to change the default settings for customized features.
- You want to reload the default BIOS settings.

4.1.1 When to Use BIOS Setup ?

To run the BIOS Setup Utility, turn on the notebook and press the [Del] key during the POST procedure. If the message disappears before you respond and you still wish to enter Setup, either restart the system by turning it OFF and ON, or simultaneously pressing [Ctrl]+[Alt]+[Del] keys to restart. Be noted that the screen snaps and setting options in this chapter are for your references only. The actual setting screens and options on your Notebook may be different because of BIOS update. The setup function only can be invoked by pressing [Del] or [F2] key during POST that provide a approach to change some setting and configuration the user prefer, and the changed values will save in the NVRAM and will take effect after the system rebooted. The setup uses a menu interface to allow the user to configure their system and the features are briefly listed as follow.

Press [F7] key for Boot Menu.



CAUTION: The drivers, BIOS and utilities bundled in the support DVD may vary by models and are subject to change without notice.



4.2 BIOS Setup Menu

Once you enter the BIOS Setup Utility, the Main Menu will appear on the screen. Select the tags to enter the other menus.

Main Menu

Show system overview about memory size and setting of system time and date.

Advanced Menu

To select the XD feature enable or disable XD feature only work with Intel platform + Windows.

Security Menu

Install or clear the password settings for supervisor and user.

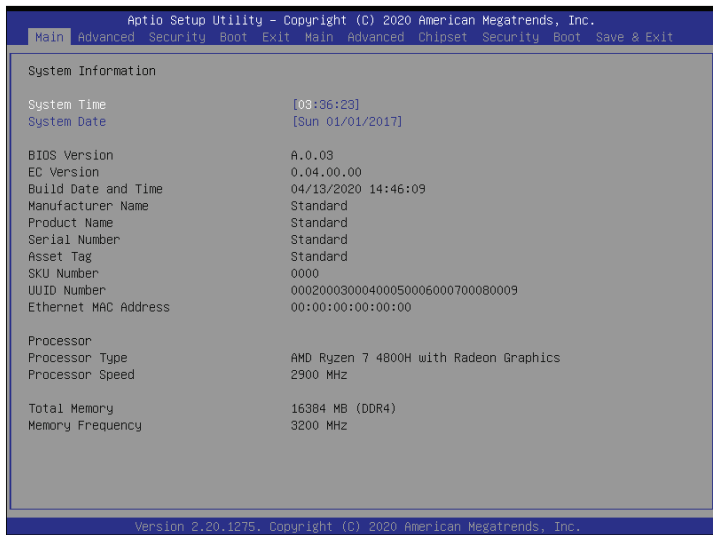
Boot Menu

Configure Settings during System Boot.

EXIT Menu

Save or discard the changes before leaving the BIOS Setup Menu

4.2 BIOS Setup Menu



System Time

This item allows you to set the system time. There is a small internal (CMOS) battery which is designed to maintain your system clock. It is designed to maintain time even when the PC is powered down or in sleep mode. The time format is [hour:minute:second].

Use [+] or [-] to configure system Time.

System Date

This item allows you to set the system date. The date format is [day:month:date:-year].

Use [ENTER], [TAB] or [SHIFT-TAB] to select a field.