

# Gateway

## User Manual

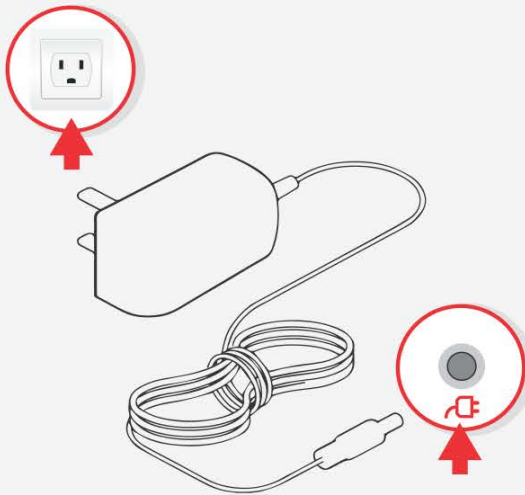
Model: GWTN156-12

# Start Here

# Exterior Features

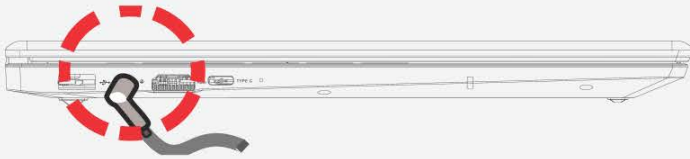
1

Plug Power Adapter  
Into Wall Outlet



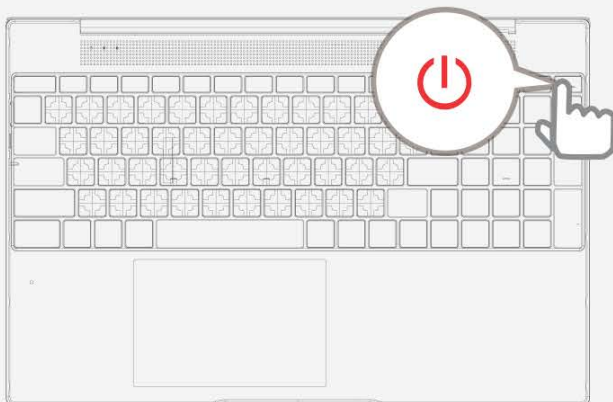
2

Plug Power Adapter  
Into Laptop



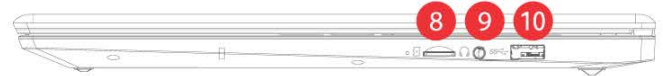
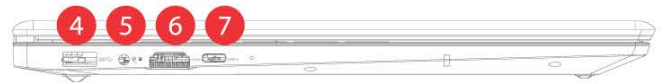
3

Press and Release  
the Power button



4

Follow the on screen  
Windows prompts to  
finish setting up



- |                 |                  |
|-----------------|------------------|
| 1 Power Button  | 6 HDMI Output    |
| 2 Touchpad      | 7 USB Type-C     |
| 3 Camera        | 8 Micro SD Slot  |
| 4 USB 3.0       | 9 Headphone Port |
| 5 Charging port | 10 USB 3.0       |

## What's in the box

- |                 |                     |
|-----------------|---------------------|
| 1 Laptop        | 3 Warranty Book     |
| 2 Power Adapter | 4 Quick Start Guide |

**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 our FAQ, please visit [www.gatewayusa.com/support.html](http://www.gatewayusa.com/support.html).

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## Notice

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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.

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# **Chapter 1**

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## **Preface**

## 1.1 Regulations Information

\* CE compliance

This device is classed as technical information equipment (ITE) in class B and is intended for living room and office use.

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

SAR/DAS refers to the rate at which the body absorbs RF energy.

The SAR limit set by the ICNIRP Guidelines is 2.0 W/kg(10g).

Testing for SAR is conducted using standard operating positions accepted by the EN standard. During testing, the radio is set to its highest transmission levels and placed in positions that simulate use against the body.

This product is compliant with ICNIRP Guidelines with respect to Electromagnetic Fields (EMF) which specifies a Specific Absorption Rate (SAR) limit of 2W/kg. DAS\*/SAR: 0.38W/kg (corps/body).



### Rechargeable Battery Notice

#### Do not

- 1.Throw into fire, hot oven, mechanically crush or cut open the BATTERY
- 2.Throw or immerse into water
- 3.Heat to more than 60°C
- 4.Repair or disassemble
- 5.Leave in an extremely low air pressure environment
- 6.Leave in an extremely high-temperature environment

A power cord is connected to a socket-outlet with earthing connection



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](http://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

Date	Version	Revision
03/2022	1.0	Initial release

## 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

L 14.8" x W 0.8" x H 9.6"

### CPU

#### •Support Processor

AMD Ryzen 3 3250U

Total Cores / Threads: 2 / 4

TDP: 15 Watt

Architecture: x86

Clock Rate 2600 - 3500 MHz

### GPU

#### •Graphics Card

Integrated

### MEMORY

#### •RAM

LPDDR4 on board 4GB

### DISPLAY

#### •LCD

15.6" LCD IPS Display, (1920 x 1080)

**I/O PORTS**

DC-in.....	x 1
USB.....	USB 3.1 (Gen2) x2
	(Power off mode support USB power, but w/o bc1.2 protocol )
.....	USB Type C x1
HDMI.....	x 1
Headphone Port.....	x 1
Card Reader.....	(SD/SDHC/SDXC, UHS-I speed Connector: Full SD size)

**AUDIO**

- **Audio Codec ALC269**  
Tuned by THX (Audio)
  
- **Speaker/MIC**  
\*Built-in dual speakers  
\*Digital Microphone support

## INPUT

### •Keyboard

Edge2Edge

US/UK plate

### •Pointing Device

TDA0472 (w/o fingerprint reader function)

Outline: 104\*72.5mm +/- 0.15mm

AA: 101.6x70.1mm

Mylar

Enable/Disable area: 10mmx10mm

Palm Rejection: Support

Controller IC change to 1836, support Windows update

## Communication Port

### •LAN

\*Supports 10/100/1000/2500 Mb/sec

### •Wireless LAN

\* AC b/g/n /RTL6621



## WEBCAM

- HD Webcam**

1MP Front-Facing Camera

## POWER

- AC Adapter**

19V 3A 3.5 mm

- Battery**

11.4V 5200mAh (P)

Number of Cells: 3

Battery Life: 8.5Hours

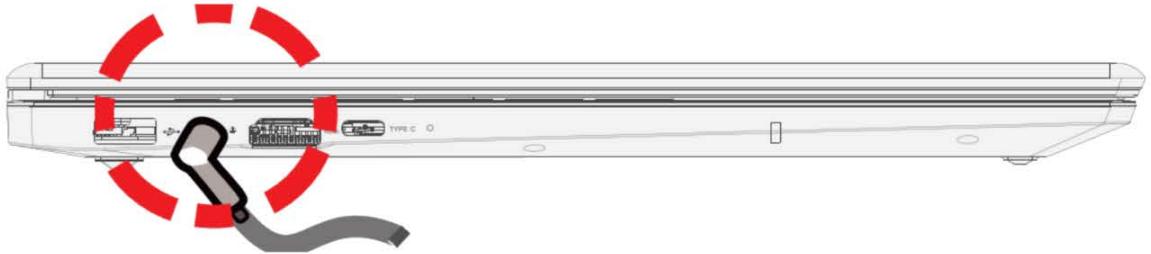


**CAUTION:** MODEL IS DESIGNED TO BE USED WITH THE  
DC INPUT: (19V 3A 3.5 mm)

## 2.2 Preparing your Computer

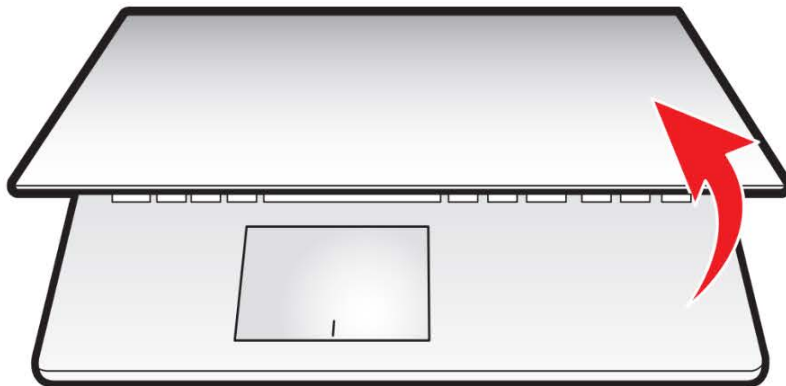
**A**

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.



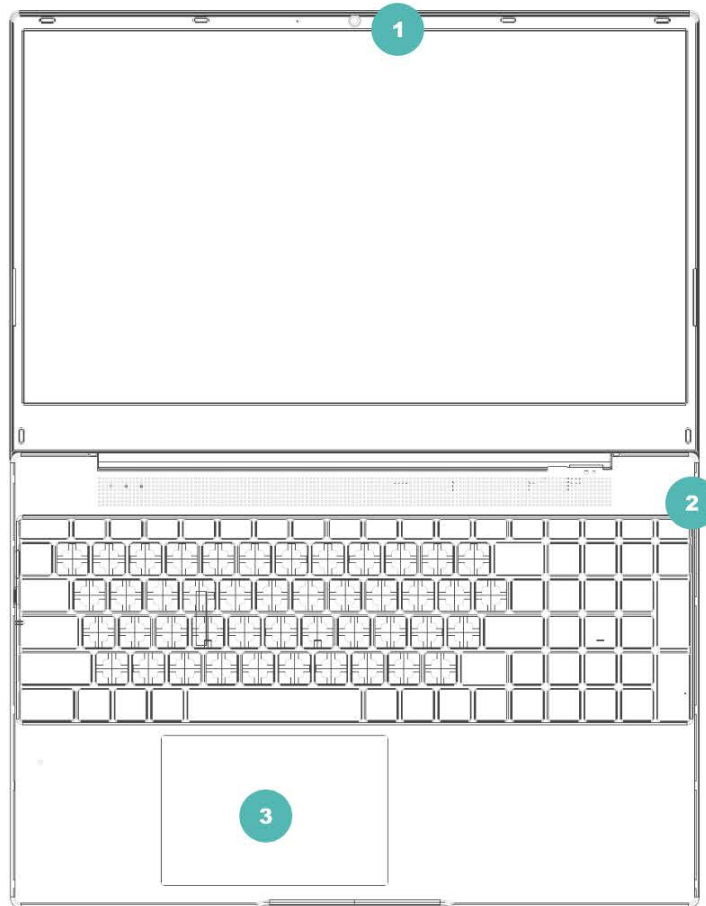
## 2.3 Product Overview

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

### Top-Open View



NOTE: The product's color/ LED color, I/O port, indicator location, and specification will depend upon the actually shipping product.



1

#### **Camera**

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

2

#### **Power Button**

Used to power the computer on or off.

3

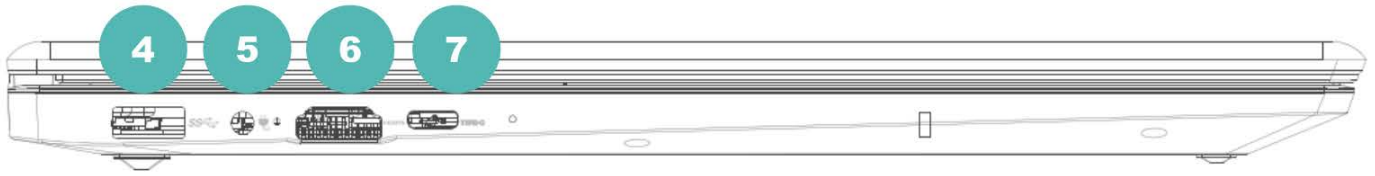
#### **Touchpad**

A touch-sensitive pointing device which functions like a computer mouse.



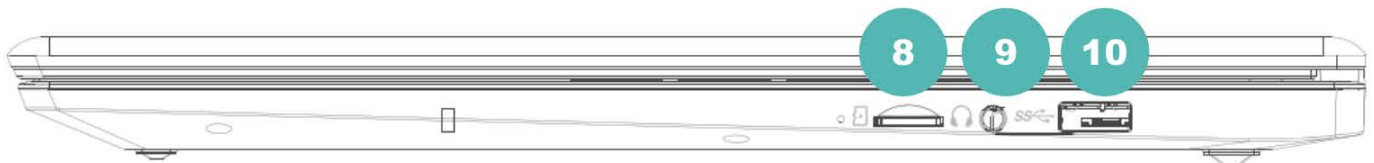
**CAUTION:** When you are not using the computer, keep the LCD screen closed to protect it from dust.

## Left Side View



- 4 USB 3.0**  
Connects an USB device.  
(such as USB Zip drive, keyboard or mouse) into this jack
- 5 Charging Port**  
Used to insert the charger
- 6 USB 3.0**  
Connects an USB device.  
(such as USB Zip drive, keyboard or mouse) into this jack
- 7 HDMI Output**  
Connects amplified speakers, headphones or microphone into this jack

## Right Side View



- 8 USB-C**  
Connects an USB-C device.  
(such as smart phone, keyboard or mouse) into this jack
- 9 Micro SD Slot**  
Connects amplified speakers, headphones or microphone into this jack
- 10 Headphone Port**  
Connects amplified speakers, headphones or microphone into this jack
- 11 USB 3.0**  
Connects an USB device.  
(such as USB Zip drive, keyboard or mouse) into this jack

# **Chapter 3**

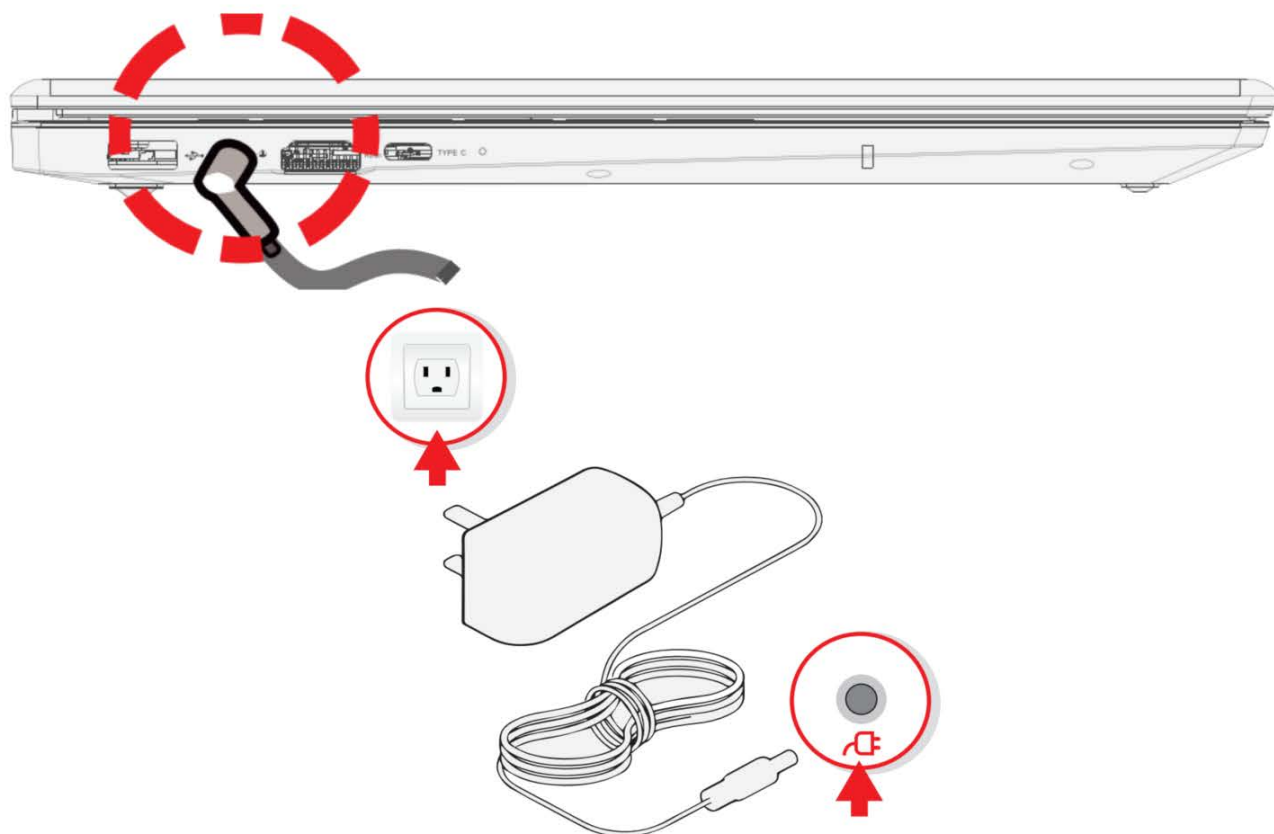
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## **Getting started**

## 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.