



E19524

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IN SEARCH OF INCREDIBLE

E-Manual



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MyASUS offers a variety of support features including troubleshooting, products performance optimization, ASUS software integration, and helps you to organize personal desktop and increase storage space. For more details, please visit <https://www.asus.com/support/FAQ/1038301/>.

Table of Contents

About this manual.....	7
Conventions used in this manual	8
Icons	8
Typography.....	8
Safety precautions.....	9
Using your Notebook PC.....	9
Caring for your Notebook PC	10
Proper disposal.....	11
Battery safety information.....	12

Chapter 1: Hardware Setup

Getting to know your Notebook PC	16
Top View.....	16
Bottom View	22
Right View.....	24
Left View.....	27

Chapter 2: Using your Notebook PC

Getting started	30
Charge your Notebook PC.....	30
Lift to open the display panel	32
Press the power button.....	32
Gestures for the touch screen panel and touchpad	33
Using touch screen panel gestures.....	33
Using the touchpad	35
Using the NumberPad	42
Using the keyboard.....	43
HotKeys	43
Function keys	44
Windows keys	44

Chapter 3: Working with Windows

Starting for the first time.....	46
Start menu	47
Windows apps	49
Working with Windows apps.....	50
Customizing Windows apps	50
Task view.....	53
Widgets	54
Snap feature	56
Snap hotspots.....	56
Action Center	58
MyASUS Splendid.....	60
Setting the OLED display	62
Setting the Dark Mode	62
Turning off the display when not in use.....	64
Adjusting display brightness.....	66
Auto-hide the taskbar	68
Setting the Dark Mode in Microsoft Office.....	70
Other keyboard shortcuts	71
Connecting to wireless networks	73
Wi-Fi.....	73
Bluetooth.....	74
Airplane mode	75
Turning your Notebook PC off.....	76
Putting your Notebook PC to sleep	77

Chapter 4: Power-On Self-Test (POST)

The Power-On Self-Test (POST)	80
Using POST to access BIOS and Troubleshoot.....	80
BIOS	80
Accessing BIOS	80
Recovering your system.....	81
Performing a recovery option.....	82

Tips and FAQs

Useful tips for your Notebook PC	86
Hardware FAQs	88
Software FAQs.....	91

Appendices

Internal Modem Compliance	94
Overview.....	94
Network Compatibility Declaration	95
Non-Voice Equipment.....	95
Federal Communications Commission Interference Statement	98
FCC Radio Frequency (RF) Exposure Caution Statement	99
RF Exposure Information (SAR).....	99
Compliance Statement of Innovation, Science and Economic Development Canada (ISED)	100
Déclaration de conformité de Innovation, Sciences et Développement économique Canada (ISED)	100
Caution	101
Mise en garde.....	101

Radio Frequency (RF) Exposure Information	102
Informations concernant l'exposition aux fréquences radio (RF)	102
Radiation Exposure Statement	103
Déclaration relative à l'exposition aux radiations	103
UL Safety Notices	104
Power Safety Requirement	105
TV Notices	105
Macrovision Corporation Product Notice	105
Prevention of Hearing Loss	105
Coating Notice	105
Nordic Lithium Cautions (for lithium-ion batteries)	106
CTR 21 Approval (for Notebook PC with built-in Modem)	107
Declaration of Compliance for Product Environmental Regulation	109
EU REACH and Article 33	109
EU RoHS	109
Japan JIS-C-0950 Material Declarations	109
India RoHS	109
Vietnam RoHS	110
ASUS Recycling/Takeback Services	110
Rechargeable Battery Recycling Service in North America	110
Ecodesign Directive	110
ENERGY STAR Qualified Product	111
EPEAT Registered Products	111
Regional notice for Singapore	111
Notices for removable batteries	112
Avis concernant les batteries remplaçables	112
Wi-Fi Network Notice	112
License of BIOS Text Fonts	112
Simplified EU Declaration of Conformity	113
Simplified UKCA Declaration of Conformity	114
RF Exposure information (SAR)	115

About this manual

This manual provides information about the hardware and software features of your Notebook PC, organized through the following chapters:

Chapter 1: Hardware Setup

This chapter details the hardware components of your Notebook PC.

Chapter 2: Using your Notebook PC

This chapter shows you how to use the different parts of your Notebook PC.

Chapter 3: Working with Windows

This chapter provides an overview of using Windows in your Notebook PC.

Chapter 4: Power-On Self-Test (POST)

This chapter shows you how to use POST to change the settings of your Notebook PC.

Tips and FAQs

This section presents some recommended tips, hardware FAQs, and software FAQs you can refer to for maintaining and fixing common issues with your Notebook PC.

Appendices

This section includes notices and safety statements for your Notebook PC.

Conventions used in this manual

To highlight key information in this manual, some text are presented as follows:

IMPORTANT! This message contains vital information that must be followed to complete a task.

NOTE: This message contains additional information and tips that can help complete tasks.

WARNING! This message contains important information that must be followed to keep you safe while performing tasks and prevent damage to your Notebook PC's data and components.

Icons

The icons below indicate the devices you can use for completing a series of tasks or procedures on your Notebook PC.



= Use the touch screen panel (on selected models).



= Use the touchpad.



= Use the keyboard.

Typography

Bold = This indicates a menu or an item that must be selected.

Italic = This indicates sections that you can refer to in this manual.

Safety precautions

Using your Notebook PC



This Notebook PC should only be used in environments with ambient temperatures between 5°C (41°F) and 35°C (95°F).



Refer to the rating label on the bottom of your Notebook PC and ensure that your power adapter complies with this rating.



Your Notebook PC can get warm to hot while in use or while charging the battery pack. Do not leave your Notebook PC on your lap or near any part of your body to prevent injury from heat. When working on your Notebook PC, do not place it on surfaces that can block the vents.



Do not use damaged power cords, accessories, and other peripherals with your Notebook PC.



While powered on, ensure that you do not carry or cover your Notebook PC with any materials that can reduce air circulation.



Do not place your Notebook PC on uneven or unstable work surfaces.



You can send your Notebook PC through x-ray machines (used on items placed on conveyor belts), but do not expose them to magnetic detectors and wands.



Contact your airline provider to learn about related in-flight services that can be used and restrictions that must be followed when using your Notebook PC in-flight.

Caring for your Notebook PC



Disconnect the AC power and remove the battery pack (if applicable) before cleaning your Notebook PC. Use a clean cellulose sponge or chamois cloth dampened with warm water or a solution with low concentration of nonabrasive detergent. Remove any extra moisture from your Notebook PC using a dry cloth. Keep any liquids from entering the chassis or keyboard gap to prevent short circuit or corrosion.



Do not use strong solvents such as alcohol, thinners, benzene, or other chemicals on or near your Notebook PC.



Do not place objects on top of your Notebook PC.



Do not expose your Notebook PC to strong magnetic or electrical fields.



Do not use or expose your Notebook PC near liquids, rain, or moisture.



Do not expose your Notebook PC to dusty environments.



Do not use your Notebook PC near gas leaks.



Do not place active electronic devices close to your Notebook PC to avoid electromagnetic wave interference to the display panel.



Do not use this Notebook PC for cryptocurrency mining (consuming a vast amount of electricity and time to gain convertible virtual currency) and/or related activities.

Proper disposal



Do not throw your Notebook PC in municipal waste. This product has been designed to enable proper reuse of parts and recycling. The symbol of the crossed out wheeled bin indicates that the product (electrical, electronic equipment and mercury-containing button cell battery) should not be placed in municipal waste. Check local regulations for disposal of electronic products.



Do not throw the battery in municipal waste. The symbol of the crossed out wheeled bin indicates that the battery should not be placed in municipal waste.

Battery safety information

Battery protection

- Frequently charging a battery under high voltage may shorten the battery life. To protect the battery, once the battery is fully charged, the system may stop charging when the battery power is between 90% and 100%.

NOTE: The initiate battery power charging capacity is usually set between 90% and 99%. Actual value may vary by models.

- Charging or storing a battery in high ambient temperatures may result in permanent damage to the battery power capacity and rapidly shorten battery life. If the battery temperature is too high, the system may reduce the battery power charging capacity or even stop charging to protect the battery.
- Battery power capacity may drop even when your device is powered off and disconnected from the AC power. This is normal as the system still draws a small amount of power from the battery.

Standard battery care

- If you are not using your device for a long period of time, ensure to charge the battery power to 50% then power off your device and disconnect the AC power adapter. Recharge the battery power to 50% every three months to avoid over-discharging and prevent damage to the battery.
- Avoid charging the battery at high voltage for a prolonged period of time to extend the battery life. If you are constantly using AC power for your device, ensure to discharge the battery power to 50% at least once every two weeks. You can also adjust the settings from Battery Health Charging in MyASUS to help extend the battery life.
- It is recommended to store your battery at temperatures between 5°C (41°F) and 35°C (95°F) with the battery power at 50%. You can also adjust the settings from Battery Health Charging in MyASUS to help extend the battery life.
- Do not leave your battery in damp environments. Exposure to damp environments may increase the battery over-discharging rate. Low temperature environment may damage the chemicals inside the battery while high temperature or overheating may result in a risk of explosion.
- Do not place your device or battery pack near radiators, fireplaces, furnaces, heaters, or any sources of heat with temperature exceeding 60°C (140°F). High temperature surrounding environment may result in an explosion or leakage that may cause fire.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

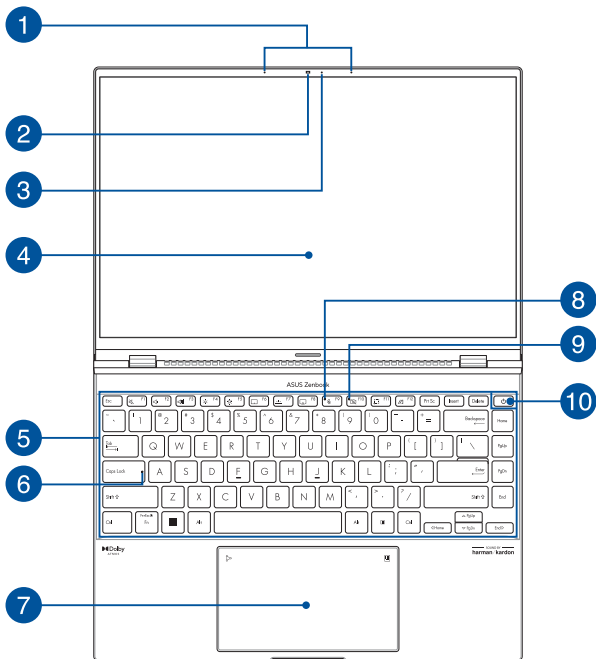
Chapter 1:

Hardware Setup

Getting to know your Notebook PC

Top View

NOTE: The keyboard's layout may vary per region or country. The Notebook view may also vary in appearance depending on the Notebook PC model.



1 **Array microphones**

The array microphones feature echo canceling, noise suppression, and beam forming functions for better voice recognition and audio recording.

2 **Camera**

The built-in camera allows you to take pictures or record videos using your Notebook PC.

Webcam shield (built-in)

This allows you to cover the camera lens of your Notebook PC.

IMPORTANT! Please note that the webcam shield is only supported on the Microsoft Windows operating system.

3 **Camera indicator**

The camera indicator lights up when the built-in camera is in use.

Display panel

This high-definition display panel provides excellent viewing features for photos, videos, and other multimedia files on your Notebook PC.

Disclaimer: Prolonged display of static or high-contrast images may result in image persistence or burn-in on OLED display. ASUS Notebook PC with OLED display (on selected models) minimizes the potential of burn-in by setting Dark Mode in Windows as default and shortening the idle time before the screen is turned off. It is recommended to enable animated dark-background screensaver and avoid setting your OLED display at maximum brightness to extend the lifespan of your OLED display.

NOTE: For more details, refer to the *Setting the OLED display* section in this manual.

Touch screen panel (on selected models)

This high-definition touch screen panel provides excellent viewing features for photos, videos, and other multimedia files on your Notebook PC. It also allows you to operate it using touch screen gestures.

NOTE: For more details, refer to the *Using touch screen panel gestures* section in this manual.

5

Keyboard

The keyboard provides full-sized QWERTY keys with a comfortable travel depth for typing. It also enables you to use the function keys, allows quick access to Windows, and controls other multimedia functions.

NOTE: The keyboard layout differs by model or territory.

6

Capital lock indicator

This indicator lights up when the capital lock function is activated. Using capital lock allows you to type capitalized letters (such as A, B, C) using your Notebook PC's keyboard.

7 Touchpad/NumberPad

This allows you to toggle between touchpad and NumberPad.

The touchpad allows the use of multi-gestures to navigate onscreen, providing an intuitive user experience. It also simulates the functions of a regular mouse.

NOTE: For more details, refer to the *Using the touchpad* section in this manual.

The NumberPad allows the use of numeric input.

IMPORTANT! Please note that all versions of NumberPad are only supported on the latest Microsoft Windows operating system.

NOTE: For more details, refer to the *Using the NumberPad* section in this manual.

8 Microphone indicator

This indicator lights up when the microphone is turned off.

9 Camera off indicator

This indicator lights up when the camera is turned off.

10 Power button

Press the power button to turn your Notebook PC on or off. You can also use the power button to put your Notebook PC to sleep or hibernate mode and wake it up from sleep or hibernate mode.

In the event that your Notebook PC becomes unresponsive, press and hold the power button for at least four (4) seconds until your Notebook PC shuts down.

Fingerprint sensor

This built-in fingerprint sensor captures your fingerprint and uses it as biometric authentication for logging on to your Notebook PC's system.

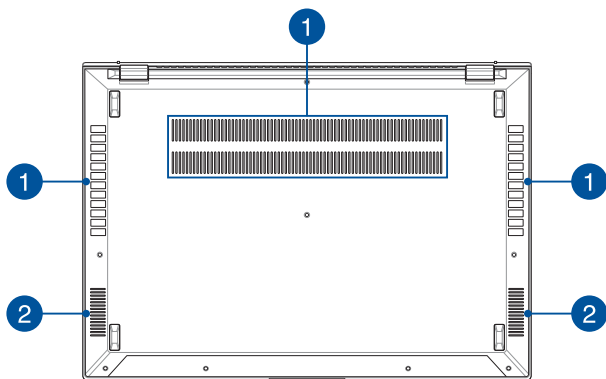
Bottom View

NOTE: The bottom view may vary in appearance depending on model.

WARNING! Your Notebook PC can get warm to hot while in use or while charging the battery pack. Do not leave your Notebook PC on your lap or near any part of your body to prevent injury from heat. When working on your Notebook PC, do not place it on surfaces that can block the vents.

IMPORTANT!

- Battery time varies by usage and by the specifications for this Notebook PC. The battery pack cannot be disassembled.
 - Purchase components from authorized retailers to ensure maximum compatibility and reliability. Consult an ASUS service center or authorized retailers for product service or assistance on proper disassembly or assembly of the product.
-



1

Air vents

The air vents allow cool air to enter and warm air to exit the Notebook PC.

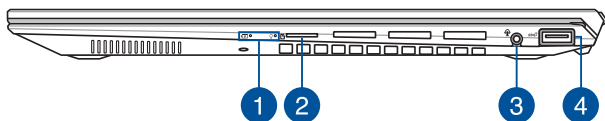
WARNING! Ensure that paper, books, clothing, cables, or other objects do not block any of the air vents or else overheating may occur.

2

Audio speakers

The built-in audio speakers allow you to hear audio straight from your Notebook PC. Audio features are software-controlled.

Right View



1

Status indicators

The status indicators help identify the current hardware status of your Notebook PC.



Two-color battery charge indicator

The two-color LED provides a visual indication of the battery's charge status. Refer to the following table for details:

Color	Status
Solid White	The Notebook PC is plugged to a power source and the battery power is between 95% and 100%.
Solid Orange	The Notebook PC is plugged to a power source, charging its battery, and the battery power is less than 95%.
Blinking Orange	The Notebook PC is running on battery mode and the battery power is less than 10%.
Lights off	The Notebook PC is running on battery mode and the battery power is between 10% to 100%.



Power indicator

The power indicator lights up when the Notebook PC is turned on and blinks slowly when the Notebook PC is in sleep mode.

2 MicroSD card slot

This built-in memory card reader slot supports microSD card formats.

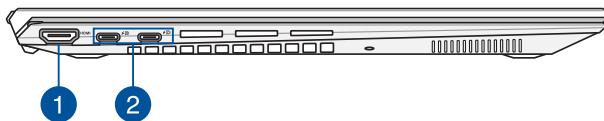
3 Headphone/Headset/Microphone jack

This port allows you to connect amplified speakers or headphones. You can also use this port to connect your headset or an external microphone.

4 USB 3.2 Gen 2 port

The USB 3.2 (Universal Serial Bus 3.2) Gen 2 port provides a transfer rate of up to 10 Gbit/s and is backward compatible to USB 2.0.

Left View



1 HDMI output port

This port allows you to connect your Notebook PC to another HDMI-compatible device for file sharing or extending your display monitor.

USB4™/Power Delivery combo port

The USB4™ (Universal Serial Bus 4) port provides a transfer rate of up to 40 Gbit/s and is backward compatible to USB 2.0. Use a USB Type-C® adapter to connect your Notebook PC to an external display. Connect a power source rated 20V/5A to charge the battery pack and supply power to your Notebook PC.

NOTE: Transfer rate of this port may vary per model.

WARNING! The adapter may become warm to hot while in use. Do not cover the adapter and keep it away from your body while it is connected to a power source.

IMPORTANT!

- It may take longer to fully charge your Notebook PC through a low-voltage power source.
 - To prevent any damage, use only power sources rated 20V/5A to charge your Notebook PC with the USB Power Delivery combo port. For more information, consult an ASUS service center for assistance.
-