



E20636

First Edition / December 2022



**TUF GAMING**

+ TUF GAMING | LAPTOP +

**USER GUIDE**

**ASUS**

More info:

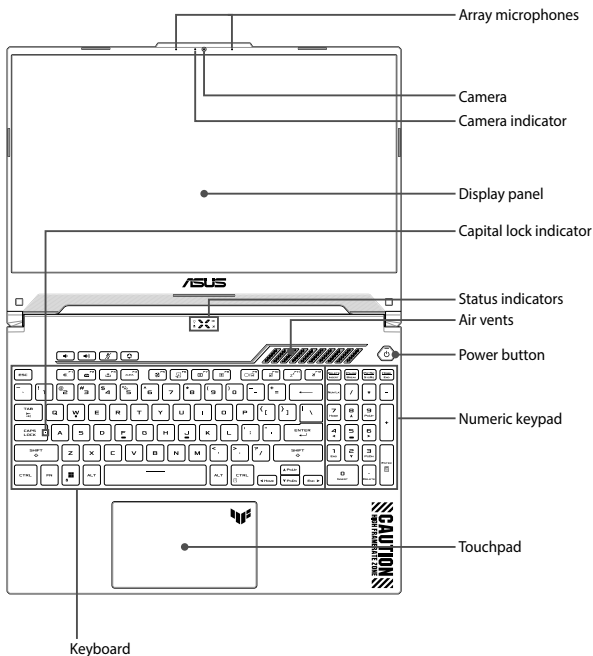




## Front View

### 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.
- Closing the lid when the system is under high load forces your Notebook PC to go into sleep mode to prevent overheating.



## I/O ports and slots

**NOTE:** The left side may vary in appearance depending on model.




**SS** USB 3.2 Gen 1 port

 Kensington® security slot


**DCIN** Power (DC) input port

 LAN port

**HDMI** HDMI output port

 USB4® port

**SS** USB 3.2 Gen 2 Type-C®/DisplayPort/  
Power Delivery combo port

 Headphone/Headset/Microphone jack

### IMPORTANT!

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.



## Getting started

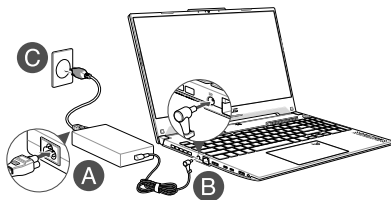
**IMPORTANT!** Do not use this Notebook PC for cryptocurrency mining (consuming a vast amount of electricity and time to gain convertible virtual currency) and/or related activities.

### 1. Charge your Notebook PC

- Connect the AC power cord to the AC/DC adapter.
- Connect the DC power connector into your Notebook PC's power (DC) input port.
- Plug the AC power adapter into a 100V~240V power source.

**IMPORTANT!** Use only the bundled power adapter to charge the battery pack and supply power to your Notebook PC.

**NOTE:** The power adapter may vary in appearance, depending on models and your region.



Charge the Notebook PC for **3 hours** before using it in battery mode for the first time.

### 2. Lift to open the display panel

### 3. Press the power button





## Safety notices for your Notebook PC

### 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.

### CAUTION!

- 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.
- The power 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!

- Ensure that your Notebook PC is connected to the power adapter before turning it on for the first time. Always plug the power cord into a wall socket without using any extension cords. For your safety, connect this device to a properly grounded electrical outlet only.
- When using your Notebook PC on power adapter mode, the socket outlet must be near to the unit and easily accessible.
- Locate the input/output rating label on your Notebook PC and ensure that it matches the input/output rating information on your power adapter. Some Notebook PC models may have multiple rating output currents based on the available SKU.
- Power adapter information:

Adapter type	AC/DC	USB Power Delivery (on selected models)
Input voltage	100-240Vac	100-240Vac
Input frequency	50-60Hz	50-60Hz
Rating output current	12A (240W)/ 14A (280W)	5A (100W)
Rating output voltage	20V (240W) / 20V (280W)	20V

### WARNING!

Read the following precautions for your Notebook PC's battery:

- Only ASUS-authorized technicians should remove the battery inside the device (for non-removable battery only).
- The battery used in this device may present a risk of fire or chemical burn if removed or disassembled.
- Follow the warning labels for your personal safety.
- Risk of explosion if battery is replaced by an incorrect type.
- Do not dispose of in fire.
- Never attempt to short-circuit your Notebook PC's battery.
- Never attempt to disassemble and reassemble the battery (for non-removable battery only).
- Discontinue usage if leakage is found.
- This battery and its components must be recycled or disposed of properly.
- Keep the battery and other small components away from children.





## Avis concernant les batteries remplaçables

- La batterie de l'appareil peut présenter un risque d'incendie ou de brûlure si celle-ci est retirée ou désassemblée.
- La batterie et ses composants doivent être recyclés de façon appropriée.

## Copyright Information

You acknowledge that all rights of this Manual remain with ASUS. Any and all rights, including without limitation, in the Manual or website, are and shall remain the exclusive property of ASUS and/or its licensors. Nothing in this Manual intends to transfer any such rights, or to vest any such rights to you.

ASUS PROVIDES THIS MANUAL "AS IS" WITHOUT WARRANTY OF ANY KIND. SPECIFICATIONS AND INFORMATION CONTAINED IN THIS MANUAL ARE FURNISHED FOR INFORMATIONAL USE ONLY, AND ARE SUBJECT TO CHANGE AT ANY TIME WITHOUT NOTICE, AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY ASUS.

**Copyright © 2022 ASUSTeK COMPUTER INC. All Rights Reserved.**

## Limitation of Liability

Circumstances may arise where because of a default on ASUS' part or other liability, you are entitled to recover damages from ASUS. In each such instance, regardless of the basis on which you are entitled to claim damages from ASUS, ASUS is liable for no more than damages for bodily injury (including death) and damage to real property and tangible personal property; or any other actual and direct damages resulted from omission or failure of performing legal duties under this Warranty Statement, up to the listed contract price of each product.

ASUS will only be responsible for or indemnify you for loss, damages or claims based in contract, tort or infringement under this Warranty Statement.

This limit also applies to ASUS' suppliers and its reseller. It is the maximum for which ASUS, its suppliers, and your reseller are collectively responsible.

UNDER NO CIRCUMSTANCES IS ASUS LIABLE FOR ANY OF THE FOLLOWING: (1) THIRD-PARTY CLAIMS AGAINST YOU FOR DAMAGES; (2) LOSS OF, OR DAMAGE TO, YOUR RECORDS OR DATA; OR (3) SPECIAL, INCIDENTAL, OR INDIRECT DAMAGES OR FOR ANY ECONOMIC CONSEQUENTIAL DAMAGES (INCLUDING LOST PROFITS OR SAVINGS), EVEN IF ASUS, ITS SUPPLIERS OR YOUR RESELLER IS INFORMED OF THEIR POSSIBILITY.

## Service and Support

For complete E-Manual version, refer to our multi-language website at:  
<https://www.asus.com/support/>

If you have any problems with your Notebook PC, please scan the QR code to visit our website for troubleshooting.



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/>.





## UL Safety Notices

- DO NOT use the Notebook PC near water, for example, near a bath tub, wash bowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.
- DO NOT use the Notebook PC during an electrical storm. There may be a remote risk of electric shock from lightning.
- DO NOT use the Notebook PC in the vicinity of a gas leak.
- DO NOT dispose the Notebook PC battery pack in a fire, as they may explode. Check with local codes for possible special disposal instructions to reduce the risk of injury to persons due to fire or explosion.
- DO NOT use power adapters or batteries from other devices to reduce the risk of injury to persons due to fire or explosion. Use only UL certified power adapters or batteries supplied by the manufacturer or authorized retailers.

## Coating Notice

---

**IMPORTANT!** To provide electrical insulation and maintain electrical safety, a coating is applied to insulate the device except on the areas where the I/O ports are located.

---

## Prevention of Hearing Loss

To prevent possible hearing damage, do not listen at high volume levels for long periods.





## Power Safety Requirement

Products with electrical current ratings up to 6A and weighing more than 3Kg must use approved power cords greater than or equal to: H05VV-F, 3G, 0.75mm<sup>2</sup> or H05VV-F, 2G, 0.75mm<sup>2</sup>.

## India RoHS

This product complies with the "India E-Waste (Management) Rules, 2016" and prohibits use of lead, mercury, hexavalent chromium, polybrominated biphenyls (PBBs) and polybrominated diphenyl ethers (PBDEs) in concentrations exceeding 0.1% by weight in homogenous materials and 0.01% by weight in homogenous materials for cadmium, except for the exemptions listed in Schedule II of the Rule.





## Regional notice for Singapore

Complies with  
IMDA Standards  
DB103778

This ASUS product complies with IMDA Standards.

## Simplified EU Declaration of Conformity

ASUSTek Computer Inc. hereby declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. Full text of EU declaration of conformity is available at <https://www.asus.com/support/>.

The WiFi operating in the band 5150-5350 MHz shall be restricted to indoor use for countries listed in the table below:

AT	BE	BG	CZ	DK	EE	FR
DE	IS	IE	IT	EL	ES	CY
LV	LI	LT	LU	HU	MT	NL
NO	PL	PT	RO	SI	SK	TR
FI	SE	CH	HR	UK(NI)		



## Simplified UKCA Declaration of Conformity

ASUSTek Computer Inc. hereby declares that this device is in compliance with the essential requirements and other relevant provisions of The Radio Equipment Regulations 2017 (S.I. 2017/1206). Full text of UKCA declaration of conformity is available at <https://www.asus.com/support/>.

The WiFi operating in the band 5150-5350 MHz shall be restricted to indoor use for the country listed below:



## CE RED RF Output table (Directive 2014/53/EU)

### FA507

#### MT7921L

Function	Frequency	Maximum Output Power (EIRP)
WiFi	2412 - 2472 MHz	19.9 dBm
	5150 - 5350 MHz	22.0 dBm
	5470 - 5725 MHz	19.0 dBm
	5725 - 5850 MHz	13.7 dBm
Bluetooth	2402 - 2480 MHz	16.0 dBm

\* Receiver category 1

#### RTL8852BE

Function	Frequency	Maximum Output Power (EIRP)
WiFi	2412 - 2472 MHz	19.5 dBm
	5150 - 5350 MHz	22.0 dBm
	5470 - 5725 MHz	22.0 dBm
	5725 - 5850 MHz	13.5 dBm
Bluetooth	2402 - 2480 MHz	9.0 dBm

\* Receiver category 1



## FA707

### MT7921L

Function	Frequency	Maximum Output Power (EIRP)
WiFi	2412 - 2472 MHz	19.9 dBm
	5150 - 5350 MHz	22.0 dBm
	5470 - 5725 MHz	20.0 dBm
	5725 - 5850 MHz	13.7 dBm
Bluetooth	2402 - 2480 MHz	16.0 dBm

\* Receiver category 1

### RTL8852BE

Function	Frequency	Maximum Output Power (EIRP)
WiFi	2412 - 2472 MHz	19.5 dBm
	5150 - 5350 MHz	22.0 dBm
	5470 - 5725 MHz	22.5 dBm
	5725 - 5850 MHz	13.7 dBm
Bluetooth	2402 - 2480 MHz	9.0 dBm

\* Receiver category 1



## UKCA RF Output table (The Radio Equipment Regulations 2017)

### FA507

#### MT7921L

Function	Frequency	Maximum Output Power (EIRP)
WiFi	2412 - 2472 MHz	19.9 dBm
	5150 - 5350 MHz	22.0 dBm
	5470 - 5725 MHz	19.0 dBm
	5725 - 5850 MHz	13.7 dBm
Bluetooth	2402 - 2480 MHz	16.0 dBm

\* Receiver category 1

#### RTL8852BE

Function	Frequency	Maximum Output Power (EIRP)
WiFi	2412 - 2472 MHz	19.5 dBm
	5150 - 5350 MHz	22.0 dBm
	5470 - 5725 MHz	22.0 dBm
	5725 - 5850 MHz	13.5 dBm
Bluetooth	2402 - 2480 MHz	9.0 dBm

\* Receiver category 1



## FA707

### MT7921L

Function	Frequency	Maximum Output Power (EIRP)
WiFi	2412 - 2472 MHz	19.9 dBm
	5150 - 5350 MHz	22.0 dBm
	5470 - 5725 MHz	20.0 dBm
	5725 - 5850 MHz	13.7 dBm
Bluetooth	2402 - 2480 MHz	16.0 dBm

\* Receiver category 1

### RTL8852BE

Function	Frequency	Maximum Output Power (EIRP)
WiFi	2412 - 2472 MHz	19.5 dBm
	5150 - 5350 MHz	22.0 dBm
	5470 - 5725 MHz	22.5 dBm
	5725 - 5850 MHz	13.7 dBm
Bluetooth	2402 - 2480 MHz	9.0 dBm

\* Receiver category 1





## 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.

### FCC COMPLIANCE INFORMATION

Per FCC Part 2 Section 2.1077



**Responsible Party:** Asus Computer International  
**Address:** 48720 Kato Rd., Fremont, CA 94538  
**Phone/Fax No:** (510)739-3777/(510)608-4555

hereby declares that the product

**Product Name :** Notebook PC  
**Model Number :** FA507, FA507NI, FA507XI, FA507NV, FA507XV,  
FA507NU, FA507XU, FA507NJ, FA507XJ

**compliance statement:**

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.

Ver. 180620





## FCC COMPLIANCE INFORMATION

Per FCC Part 2 Section 2.1077



**Responsible Party:** Asus Computer International  
**Address:** 48720 Kato Rd., Fremont, CA 94538  
**Phone/Fax No:** (510)739-3777/(510)608-4555

hereby declares that the product

**Product Name :** Notebook PC  
**Model Number :** FA707, FA707NI, FA707XI, FA707NV, FA707XV,  
FA707NU, FA707XU, FA707NJ, FA707XJ

**compliance statement:**

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.

Ver. 180620





BC **HDMI™**  
HIGH-DEFINITION MULTIMEDIA INTERFACE

