VivoMini VC65-C Series

User Manual

HIGH-DEFINITION MULTIMEDIA INTERFACE

E17629
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About this manual

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

Chapter 1: Getting to know your VivoMini

This chapter details the hardware components of your VivoMini.

Chapter 2: Using your VivoMini

This chapter provides you with information on using your VivoMini.

Chapter 3: Upgrading your VivoMini

This chapter provides you with information on how to upgrade the memory modules, wireless modules, and hard disk drive / solid state drive of your VivoMini.

Appendix

This section includes notices and safety statements about your VivoMini.

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.

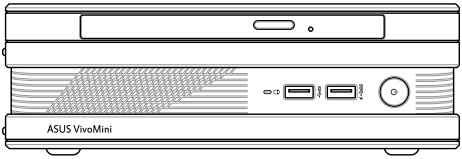
WARNING! This message contains important information that must be followed to keep you safe while performing certain tasks and prevent damage to your VivoMini's data and components.

Typography

Bold text	Indicates a menu or an item to select.
Italic	This indicates sections that you can refer to in this manual.

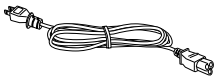
Package contents

Your VivoMini package contains the following items:



VivoMini

Technical documents



Power cord*

NOTE:

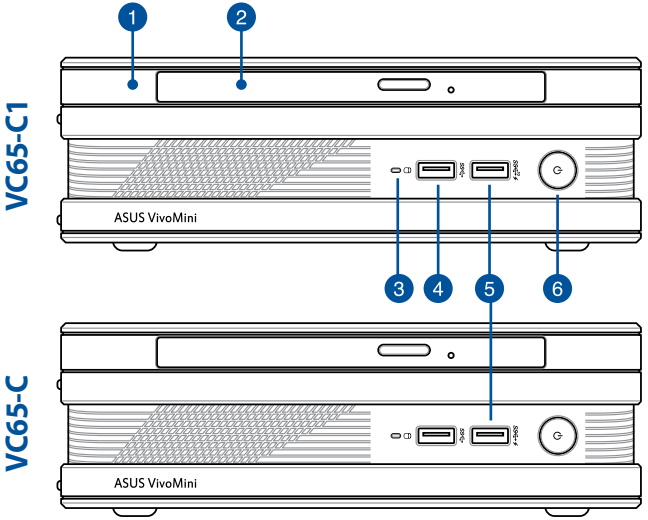
- *The bundled power adapter may vary by model and territories.
- Some bundled accessories may vary with different models. For details on these accessories, refer to their respective user manuals.
- The device illustration is for reference only. Actual product specifications may vary with models.
- If the device or its components fail or malfunction during normal and proper use within the warranty period, bring the warranty card to the ASUS Service Center for replacement of the defective components.

1

Getting to know your VivoMini

Features

Front view



1

Top cover

The removable top cover allows you access to the hard disk drive and the memory modules.

IMPORTANT! Before removing the top cover, turn off your VivoMini and unplug the power cable.

2

NOTE: This port may vary per model.

Optical Drive (on selected models)

Your VivoMini's optical drive may support several disc formats such as CDs, DVDs, recordable discs, or rewritable discs.

Blu-ray Drive (on selected models)

Your VivoMini's optical drive may support several disc formats such as CDs, DVDs, Blu-ray discs, recordable discs, or rewritable discs.

NOTE: Ensure to use a Blu-ray compatible media player when playing the contents of a Blu-ray disc.

3

Drive activity indicator

This indicator lights up when your VivoMini is accessing the internal storage drive.

4

USB 3.1 Gen 1 port

The USB 3.1 Gen 1 (Universal Serial Bus) port provides a transfer rate up to 5 Gbit/s.

5

NOTE: This port may vary per model.

USB 3.1 Gen 2 port (on selected models)

The USB 3.1 Gen 2 (Universal Serial Bus) port provides a transfer rate up to 10 Gbit/s. This port also supports the Battery Charging 1.2 technology that allows you to charge your USB devices.

USB 3.1 Gen 1 port (on selected models)

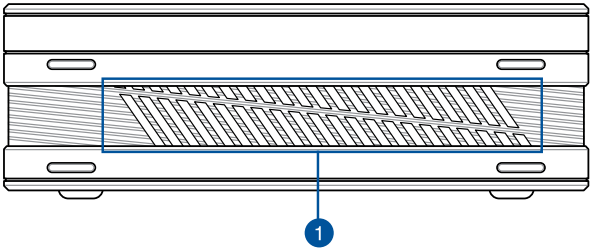
The USB 3.1 Gen 1 (Universal Serial Bus) port provides a transfer rate up to 5 Gbit/s. This port also supports the Battery Charging 1.2 technology that allows you to charge your USB devices.

6

Power button

The power button allows you to turn the VivoMini on or off. You can also press the power button once to put your VivoMini to sleep mode.

Left view

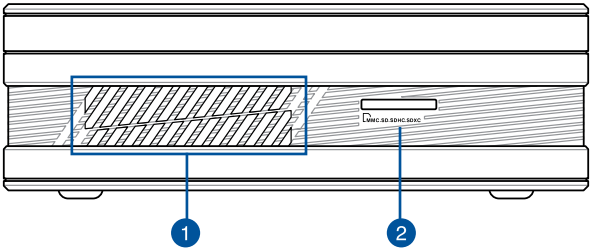


1 **Air vents (intake vent)**

The air vents allow air to enter your VivoMini chassis.

IMPORTANT! For optimum air flow, ensure that the air vents are free from obstructions.

Right view



1 **Air vents (exhaust vent)**

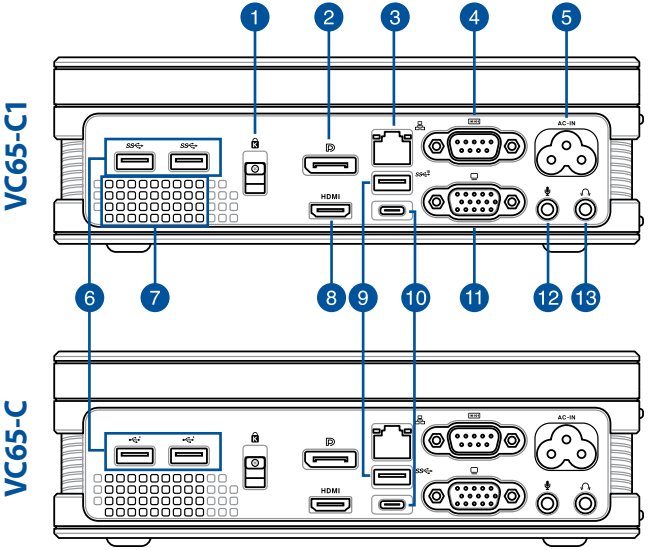
The air vents allow your VivoMini chassis to expel hot air out.

IMPORTANT: For an optimum heat dissipation and air ventilation, ensure that the air vents are free from obstructions.

2 **Memory card slot**

This built-in memory card reader slot supports MMC, SD, SDHC, and SDXC card formats.

Rear view



1 **Kensington® security slot**

The Kensington® security slot allows you to secure your VivoMini using Kensington® compatible VivoMini security products.

2 **DisplayPort**

This port allows you to connect your VivoMini to an external display.

3 **LAN port**

The 8-pin RJ-45 LAN port supports a standard Ethernet cable for connection to a local network.

4 **Serial (COM) connector**

The 9-pin serial (COM) connector allows you to connect devices that have serial ports such as mouse, modem, or printers.

5 AC-IN **Power (AC) input port**

Insert the power cord into this port to supply power to your VivoMini.

6

NOTE: This port may vary per model.

USB 3.1 Gen 1 port (on selected models)

The USB 3.1 Gen 1 (Universal Serial Bus) port provides a transfer rate up to 5 Gbit/s.

USB 2.0 port (on selected models)

The USB (Universal Serial Bus) port is compatible with USB 2.0 or USB 1.1 devices such as keyboards, pointing devices, flash disk drives, external HDDs, speakers, cameras and printers.

7 **Air vents (intake vent)**

The air vents allow air to enter your VivoMini chassis.

IMPORTANT! For optimum air flow, ensure that the air vents are free from obstructions.

8 HDMI **HDMI port**

The HDMI (High Definition Multimedia Interface) port supports a Full-HD device such as an LCD TV or monitor to allow viewing on a larger external display.

9

NOTE: This port may vary per model.

USB 3.1 Gen 1 port (on selected models)

The USB 3.1 Gen 1 (Universal Serial Bus) port provides a transfer rate up to 5 Gbit/s.

USB 3.1 Gen 2 port (on selected models)

The USB 3.1 Gen 2 (Universal Serial Bus) port provides a transfer rate up to 10 Gbit/s.

10

NOTE: This port may vary per model.

USB 3.1 Gen 1 Type-C™ port (on selected models)

This USB Type-C™ (Universal Serial Bus) Type-C™ port provides a transfer rate of up to 5 Gbit/s.

USB 3.1 Gen 2 Type-C™ port (on selected models)

This USB Type-C™ (Universal Serial Bus) Type-C™ port provides a transfer rate of up to 10 Gbit/s.

11

VGA port

This port allows you to connect your VivoMini to an external display.

12

Microphone jack

The microphone jack is designed to connect to a microphone used for video conferencing, voice narrations, or simple audio recordings.

13

Headphone jack

This port allows you to connect amplified speakers or headphones.

2

Using your VivoMini

Getting started

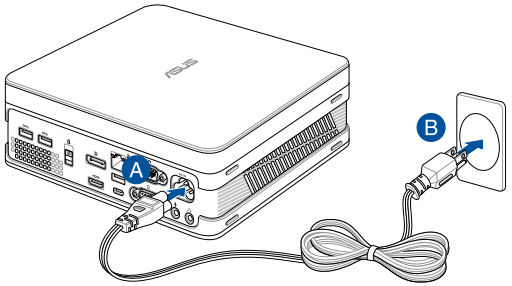
Connect the AC power adapter to your VivoMini

To connect the AC power adapter to your VivoMini:

A. Connect the DC power connector into your VivoMini's power (DC) input.

B. Plug the AC power adapter into a 100V~240V power source.

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



IMPORTANT!

- We strongly recommend that you use only the AC power adapter and cable that came with your VivoMini.
- We strongly recommend that you use a grounded wall socket while using your VivoMini.
- The socket outlet must be easily accessible and near your VivoMini.
- To disconnect your VivoMini from its main power supply, unplug your VivoMini from the power socket.

Connect a display panel to your VivoMini

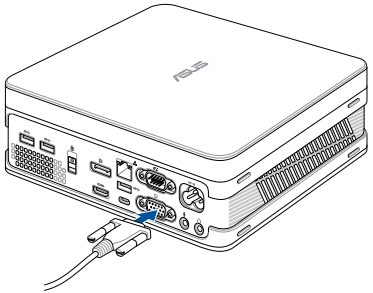
You can connect a display panel or projector to your VivoMini that has the following connectors:

- VGA connector
- DisplayPort
- HDMI connector

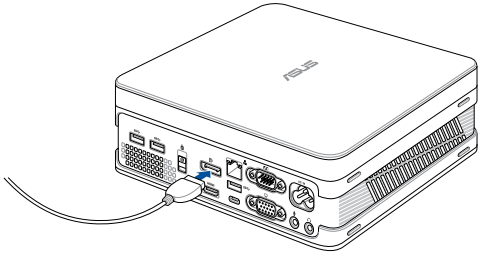
To connect a display panel to your VivoMini:

Connect one end of a VGA, DisplayPort, or an HDMI, cable to an external display, and the other end of the cable to your VivoMini's VGA port, DisplayPort, or an HDMI port.

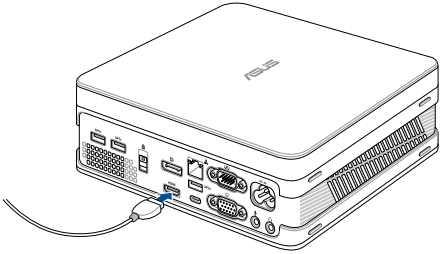
Connect display via VGA port



Connect display via DisplayPort



Connect display via HDMI port



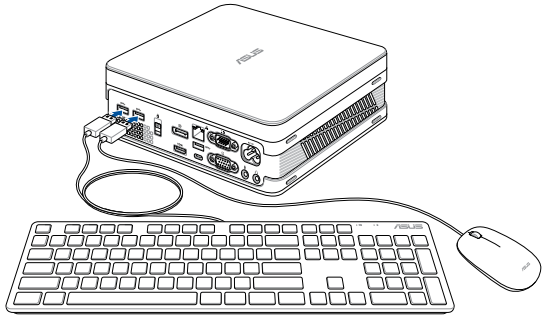
Connect the USB cable from keyboard or mouse

You can connect generally any USB keyboard and mouse to your VivoMini. You can also connect a USB dongle for a wireless keyboard and mouse set.

To connect a keyboard and mouse to your VivoMini:

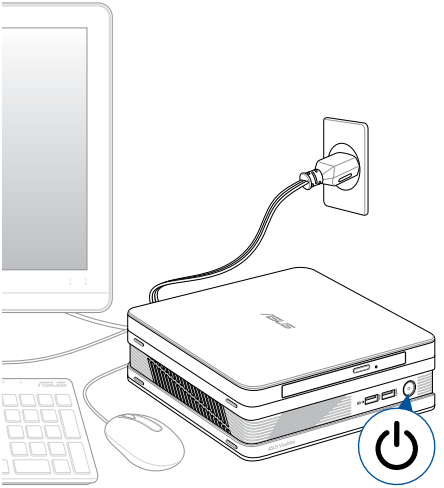
Connect the USB cable from your keyboard and mouse to any of the USB ports of your VivoMini.

NOTE: The keyboard varies with country or region.



Turn on your VivoMini

Press the power button to turn on your VivoMini.



Turning your VivoMini off

If your VivoMini is unresponsive, press and hold the power button for at least four (4) seconds until your VivoMini turns off.

Putting your VivoMini to sleep

To put your VivoMini on Sleep mode, press the Power button once.

Entering the BIOS Setup

BIOS (Basic Input and Output System) stores system hardware settings that are needed for system startup in the VivoMini.

In normal circumstances, the default BIOS settings apply to most conditions to ensure optimal performance. Do not change the default BIOS settings except in the following circumstances:

- An error message appears on the screen during the system bootup and requests you to run the BIOS Setup.
- You have installed a new system component that requires further BIOS settings or update.

WARNING! Inappropriate BIOS settings may result to instability or boot failure. We strongly recommend that you change the BIOS settings only with the help of a trained service personnel.

Load default BIOS settings

To load the default values for each of the parameters in your BIOS:

- Enter the BIOS by pressing <F2> or <DEL> on the POST screen.

  NOTE: POST (Power-On Self Test) is a series of software controlled diagnostic tests that run when you turn on your VivoMini.

- Navigate to the **Exit** menu.
- Select the **Load Optimized Defaults** option, or you may press <F5>.
- Select **OK** to load the default BIOS values.

3

Upgrading your VivoMini

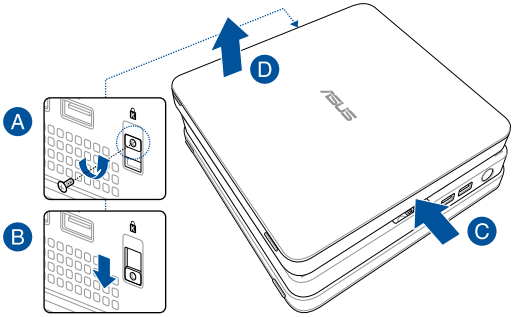
IMPORTANT!

- It is recommended that you install or upgrade the memory modules, wireless card, and solid state drive (SSD), under professional supervision. Visit an ASUS service center for further assistance.
- Ensure that your hands are dry before proceeding with the rest of the installation process. Before installing any of the features in this guide, use a grounded wrist strap or touch a safely grounded object or metal object to avoid damaging them due to static electricity.

NOTE: The illustrations in this section are for reference only. The slots may vary depending on model.

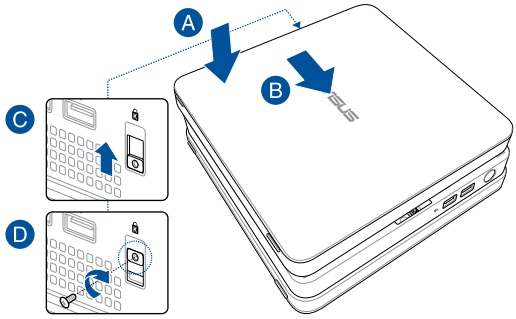
Removing the top cover

1. Turn off your VivoMini then disconnect all cables and peripherals.
2. Place the VivoMini on a flat stable surface, with its top side facing down.
3. Remove the screw from the top cover lock latch and push the latch down (A and B), then slide the top cover towards the rear of your VivoMini (C) until it is detached from the chassis.
4. Lift and remove the top cover (D) and set it aside.



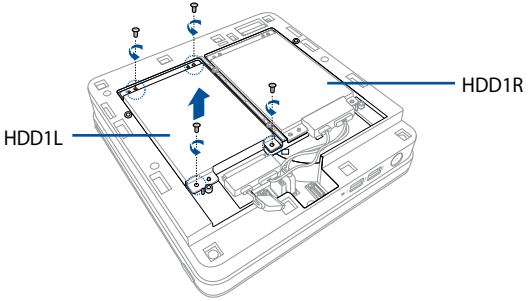
Replacing the top cover

Replace the top cover (A) your VivoMini and slide it towards the front of the VivoMini to re-attach (B), then push the latch up and secure it using a screw (C and D).

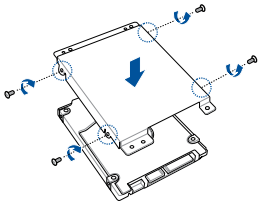


Installing 2.5” HDD or SSD

1. Remove four (4) screws from the HDD/SSD bracket.



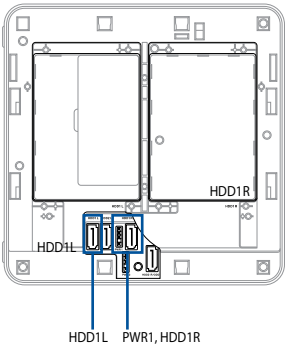
2. To install a new HDD/SSD, secure the HDD/SSD to the bracket using four (4) screws.

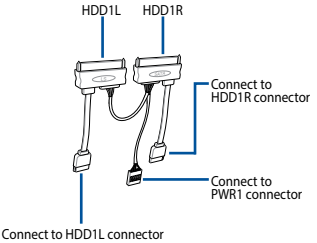


NOTE:

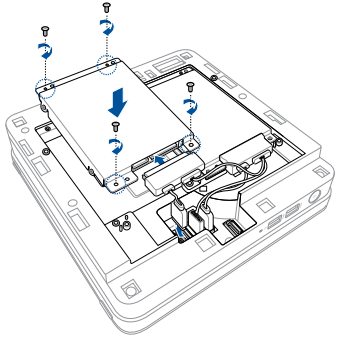
- Ensure to remove the holder from the bracket when installing an HDD/SDD to the HDD1R bracket.
- The availability of the holder may vary depending on the model type, country, or region

3. Connect the cable to the HDD1L, HDD1R and PWR1 connectors in your VivoMini.





4. Connect the cable to the HDD/SSD, then align the bracket to the HDD/SSD compartment of your VivoMini and secure the bracket with the screws previously removed.



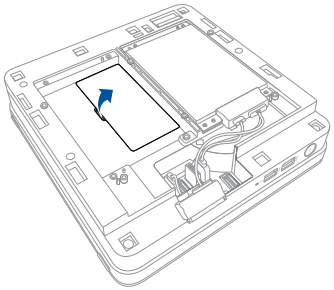
NOTE: Ensure to organize the cables to prevent any damage to your VivoMini and to ensure the top cover can be replaced successfully.

Upgrading memory modules

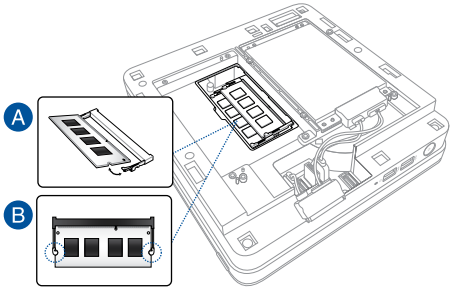
Your VivoMini comes with two SO-DIMM memory slots that allow you to install two DDR4 SO-DIMMs.

1. Remove four screws from the HDD1L bracket and remove the bracket. Refer to step 1 of the *Installing 2.5" HDD or SSD* section.
2. Pry the SO-DIMM slot cover open, then set it aside.

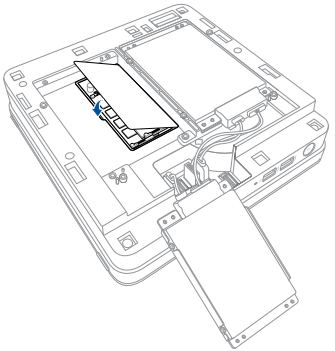
NOTE: If you want to remove the SO-DIMM slot cover, use a flathead screwdriver.



3. Align and insert the memory module into the slot (A) and press it down (B) until it is securely seated in place. Repeat the same steps to install the other memory module.



4. Replace the SO-DIMM slot cover.



5. Replace the HDD1L bracket and secure it using the screws removed previously. Refer to step 4 of the *Installing 2.5" HDD or SSD* section.

Appendix

Safety information

Your VivoMini is designed and tested to meet the latest standards of safety for information technology equipment. However, to ensure your safety, it is important that you read the following safety instructions.

Setting up your system

- Read and follow all instructions in the documentation before you operate your system.
- Do not use this product near water or a heated source.
- Set up the system on a stable surface.
- Openings on the chassis are for ventilation. Do not block or cover these openings. Make sure you leave plenty of space around the system for ventilation. Never insert objects of any kind into the ventilation openings.
- Use this product in environments with ambient temperatures between 0˚C and 35˚C.
- If you use an extension cord, make sure that the total ampere rating of the devices plugged into the extension cord does not exceed its ampere rating.
- This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.

Care during use

- Do not walk on the power cord or allow anything to rest on it.
- Do not spill water or any other liquids on your system.
- When the system is turned off, a small amount of electrical current still flows. Always unplug the power cord from the power outlets before cleaning the system.

- If you encounter the following technical problems with the product, unplug the power cord and contact a qualified service technician or your retailer.
  - The power cord or plug is damaged.
  - Liquid has been spilled into the system.
  - The system does not function properly even if you follow the operating instructions.
  - The system was dropped or the cabinet is damaged.
  - The system performance changes.

Lithium-Ion Battery Warning

CAUTION: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.

NO DISASSEMBLY

The warranty does not apply to the products that have been disassembled by users

DO NOT throw the VivoMini in municipal waste. This product has been designed to enable proper reuse of parts and recycling. This 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 technical support services for product recycling.

Regulatory notices

REACH

Complying with the REACH (Registration, Evaluation, Authorization, and Restriction of Chemicals) regulatory framework, we publish the chemical substances in our products at ASUS REACH website at **http://csr.asus.com/english/REACH.htm**

ASUS Recycling/Takeback Services

ASUS recycling and takeback programs come from our commitment to the highest standards for protecting our environment. We believe in providing solutions for you to be able to responsibly recycle our products, batteries, other components, as well as the packaging materials. Please go to **http://csr.asus.com/english/Takeback.htm** for the detailed recycling information in different regions.

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.

Federal Communications Commission Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received including interference that may cause undesired operation.

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 manufacturer's 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 to 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.

IMPORTANT! Outdoor operations in the 5.15~5.25 GHz band is prohibited. This device has no Ad-hoc capability for 5250~5350 and 5470~5725 MHz.

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

ISED Radiation Exposure Statement for Canada

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. To maintain compliance with ISED RF exposure compliance requirements, please avoid direct contact to the transmitting antenna during transmitting. End users must follow the specific operating instructions for satisfying RF exposure compliance.

Operation is subject to the following two conditions:

- This device may not cause interference and
- This device must accept any interference, including interference that may cause undesired operation of the device.

Compliance Statement of Innovation, Science and Economic Development Canada (ISED)

This device complies with Innovation, Science and Economic Development Canada licence exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

CAN ICES-3(B)/NMB-3(B)

Déclaration de conformité de Innovation, Sciences et Développement économique Canada (ISED)

Le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

CAN ICES-3(B)/NMB-3(B)

Wireless Operation Channel for Different Domains

N. America	2.412-2.462 GHz	Ch01 through CH11
Japan	2.412-2.484 GHz	Ch01 through Ch14
Europe ETSI	2.412-2.472 GHz	Ch01 through Ch13

Regional notice for Singapore

Complies with IMDA Standards DB103778

This ASUS product complies with IMDA Standards.

Regional notice for California

WARNING

Cancer and Reproductive Harm -
www.P65Warnings.ca.gov

Regional notice for Malaysia

HDMI Compliance Statement

The terms HDMI, HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

ENERGY STAR complied product

ENERGY STAR is a joint program of the U.S. Environmental Protection Agency and the U.S. Department of Energy helping us all save money and protect the environment through energy efficient products and practices.

All ASUS products with the ENERGY STAR logo comply with the ENERGY STAR standard, and the power management feature is enabled by default. The monitor and computer are automatically set to sleep after 10 and 30 minutes of user inactivity. To wake your computer, click the mouse or press any key on the keyboard.

Please visit http://www.energystar.gov/powermanagement for detail information on power management and its benefits to the environment. In addition, please visit http://www.energystar.gov for detail information on the ENERGY STAR joint program.

NOTE: Energy Star is NOT supported on FreeDOS and Linux-based products.

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