



Tinker System 2 Series

User Manual



E22240

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About this manual

This manual provides information about the hardware and software features of your Tinker System 2, organized through the following chapters:

Chapter 1: Getting to know your Tinker System 2

This chapter details the hardware components of your Tinker System 2.

Chapter 2: Using your Tinker System 2

This chapter provides you with information on using your Tinker System 2.

Appendix

This section includes notices and safety statements for your Tinker System 2.

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 Tinker System 2's data and components.

Product Overview

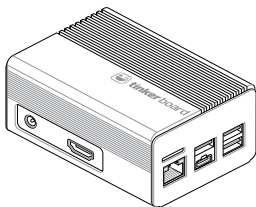
Tinker System 2 Series is more than a dream for the DIY-obsessed: it's a gateway to new ideas and new relationships. Experienced makers will love Tinker Board's performance-to-price ratio and strong brand heritage, while novices and younger users will appreciate its accessibility and ease of use. But all will come together to create — Together We Make!

Tinker System 2 Series specifications summary

SoC	Rockchip RK3399 (64-bit)
CPU	Dual-core Arm® Cortex®-A72 @ 2.0 GHz Quad-core Arm® Cortex®-A53 @ 1.5 GHz
GPU	Arm® Mali™-T860 MP4 GPU @ 800 MHz
Display	1 x HDMI™ with CEC hardware ready 1 x USB Type-C® (DP 1.2) 1 x 22-pin MIPI DSI (4 lane) supports up to FHD
Memory Size	Dual-CH LPDDR4 2GB or 4GB
Storage	16/32GB eMMC
Connectivity	RTL8211F-CG GbE LAN M.2 - 802.11 a/b/g/n/ac wireless & BT 5.0 (2T2R)
Audio	1 x HDMI™ audio output 1 x S/PDIF TX pin (from GPIO) 1 x PCM/I2S pins (from GPIO)
USB	3 x USB 3.2 Gen 1 Type-A ports 1 x USB 3.2 Gen 1 Type-C® OTG port
Camera Interface	1 x 15-pin MIPI CSI-2 (2 lane)
Internal Headers	1 x 2-pin Recovery header 1 x 2-pin Power-on header 1 x 2-pin Reset header 1 x 2-pin Debug UART header 1 x 2-pin DC Fan header 1 x 2-pin RTC Battery header
Power Connector (up to 45W)	1 x 12~19.5 V DC Power Input Jack (5.5/2.5 mm)
OS Support	Debian 10 / Android 11
Dimension	3.58" x 2.64" x 1.77" (91 mm x 67 mm x 45 mm)

Package contents

Your Tinker System 2 package contains the following items:



ASUS Tinker System 2 Series



2 x Wi-Fi/BT antennas



Technical documentation

NOTES:

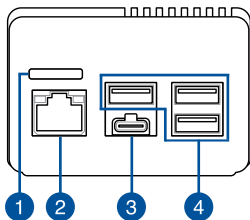
- Some bundled accessories may vary depending on the model. For details on these accessories, refer to their respective user manuals.
 - The device illustration is for reference only. Actual product specifications may vary depending on the model.
 - If the device or its components fail or malfunction 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 Tinker System 2

Features

Front view



1

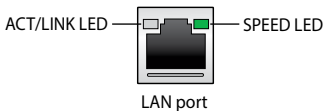
MIPI DSI (4 lane) slot

This slot allows you to connect a MIPI display module via a 4 lane MIPI-DSI cable for up to 6Gbps connection speed.

2

LAN port

The 8-pin RJ-45 LAN port supports a standard Ethernet cable for 10/100/1000Mbps connection to a local network.



Activity Link LED	
Status	Description
Off	No link
Yellow	Linked
Yellow (blinking)	Data activity
Yellow (blinking then steady)	Ready to wake up from suspend mode

Speed LED	
Status	Description
Off	10 Mbps connection
Orange	100 Mbps connection
Green	1 Gbps connection

3**USB 3.2 Gen 1 Type-C® On-The-Go (OTG) port**

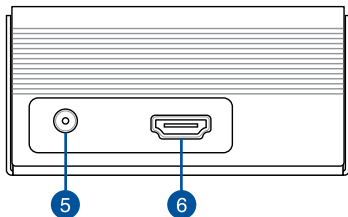
This USB 3.2 Gen 1 Type-C® OTG port provides the following:

- Transfer rate of up to 5 Gbit/s for USB 3.2 Gen 1 devices.
- Support for Power Delivery with a maximum of 5V/1.5A output.
- Backward compatible to USB 2.0.
- Support for OTG mode that allows this device to read data from a USB device even when it's not connected to a PC.
- Support for DP 1.2 with a resolution of up to 4096 x 2160 @60Hz.

4**USB 3.2 Gen 1 port**

The USB 3.2 Gen 1 (Universal Serial Bus) port provides a transfer rate up to 5 Gbit/s.

Left view



5 Power input jack

This 5.5/2.5mm DC-in jack supplies power to Tinker System 2. To prevent damage to the device, use only UL certified power adapters that meet the following specifications:

Power adapter: +12~19.5V DC == 3.75~2.31A, 45W

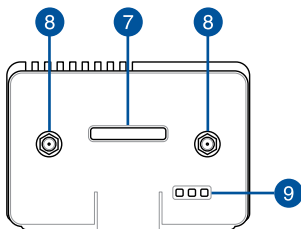
WARNING! The power adapter may become warm to hot when in use. Do not cover the adapter and make sure to keep it away from your body.

6 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.

NOTE: When using only this port as a display output source, this port will support a resolution of up to 4096 x 2160 @60Hz. The resolution may also be affected by the cabling and output device.

Rear view



7 MIPI CSI slot

This slot allows you to connect a MIPI camera module via a 2 lane MIPI-CSI2 cable for up to 3Gbps connection speed.

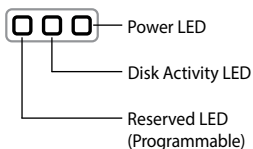
8 Wi-Fi/Bluetooth wireless antenna jack

The Wi-Fi/Bluetooth wireless antenna jack allows you to connect wireless antennas for Wi-Fi or Bluetooth signals.

NOTE: The Wi-Fi/Bluetooth wireless antenna is optional and may not come bundled.

9 Status LEDs

The Status LEDs indicate the current status of your Tinker System 2.



Status LED Indication	
LED	Color
Power	Red
Disk Activity	Green
Reserved (programmable)	Yellow

Single Board Computer Overview

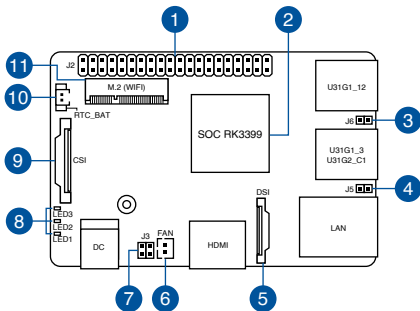
ASUS Tinker System 2 is an Embedded Computer based on the Tinker Board 2S. Refer to the **Layout contents** table for the page numbers of the numbered items.

WARNING!

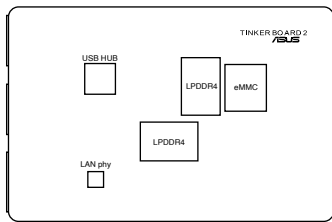
- Unplug the power cord from the wall socket before touching any components.
- Before handling components, use a grounded wrist strap or touch a safely grounded object or a metal object, such as the power supply case, to avoid damaging them due to static electricity.
- Hold components by the edges to avoid touching the ICs on them.
- Whenever you uninstall a component, place it on a grounded anti-static pad or in the bag that came with the component.
- Before you install or remove any component, ensure that the power supply is switched off or the power cord is detached from the power supply. Failure to do so may cause severe damage to the single board computer, peripherals, or components.

Single Board Computer (SBC) layout

Top view



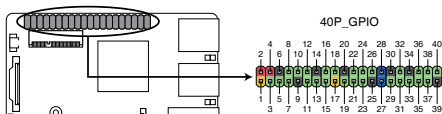
Bottom view



Layout contents	Page
1. GPIO header	14
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1. GPIO header

This 40-pin GPIO (General-Purpose Input/Output) header can be designated (in software) as an input or output pin and is used for a wide range of purposes. Of the 40 pins, 28 are GPIO pins (shared with SPI/UART/I2C pins).



Tinker Board 2 / 2S 40-pins GPIO header

WARNING!

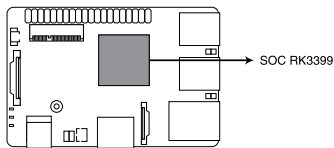
- Do not use both the system DC power-in jack and the 40-pin GPIO +5V pins (pin 2 and 4, red) for power input at the same time.
 - If you wish to use the 40-pin GPIO +5V (pin 2 and 4, red) as a power input source, please make sure the power input rating for each pin complies with the standard of +5V / 3A (+/-5% deviation). A power rating value that exceeds the rating valued mentioned, or an unstable power source may result in damage to your system or hardware. Please refer to the Top view illustration for the location of the pins.
-

Pin Definitions

Pin definition	40P GPIO		Pin definition
VCC3.3_IO	1	2	VCC5V
GPIO2_B1/I2C6_SDA	3	4	
GPIO2_B2/I2C6_SCL	5	6	GND
GPIO0_B0/CLKOUT	7	8	GPIO2_C1/UART0_TX
GND	9	10	GPIO2_C0/UART0_RX
GPIO2_C3/UART0_RTSN	11	12	GPIO3_D1/I2S0_SCLK
GPIO2_C5/SPI5_TXD	13	14	GND
GPIO2_C4/SPI5_RXD	15	16	GPIO2_C6/SPI5_CLK
VCC3.3_IO	17	18	GPIO2_C7/SPI5_CSNO
GPIO1_B0/SPI1_TXD/UART4_TX	19	20	GND
GPIO1_A7/SPI1_RXD/UART4_RX	21	22	GPIO3_D4/I2S0_SDI1SDO3
GPIO1_B1/SPI1_CLK	23	24	GPIO1_B2/SPI1_CSNO
GND	25	26	GPIO0_A6/PWM3A_IR
GPIO2_A7/I2C7_SDA	27	28	GPIO2_B0/I2C7_SCL
GPIO3_D6/I2S0_SDI1SDO1	29	30	GND
GPIO3_D5/I2S0_SDI1SDO2	31	32	GPIO4_C2/PWM0
GPIO4_C6/PWM1	33	34	GND
GPIO3_D1/I2S0_LRCK	35	36	GPIO2_C2/UART0_CTSN
GPIO4_C5/SPDIF_TX	37	38	GPIO3_D3/I2S0_SDI0
GND	39	40	GPIO3_D7/I2S0_SDO0

2. SOC RK3399

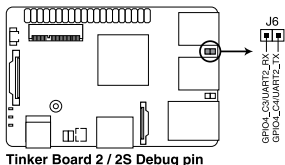
This ARM® system on a chip (SoC) features the new 64-bit Armv8 architecture and Arm® big.LITTLE™ technology's 6-core processor, provides improved performance and comes bundled with Arm® Mali®-T860 MP4 GPU.



Tinker Board 2 / 2S SOC RK3399

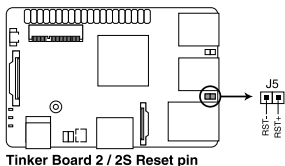
3. Debug UART header

This Debug UART header provides a separate UART port, allowing developers to use and develop with the serial console without occupying the 40-pin GPIO's UART ports.



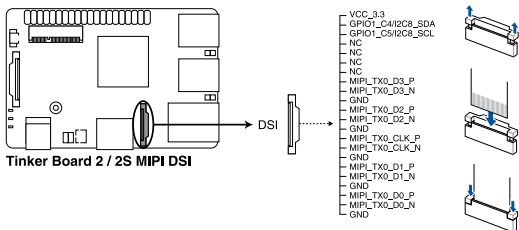
4. Reset header

The Reset header allows you to connect an external reset button.



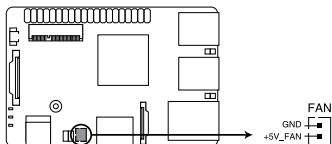
5. MIPI DSI connector

The MIPI DSI connector is used to connect a MIPI display module via a 4 lane MIPI-DSI cable. This connector supports up to 6 Gbps connection speed.



6. DC Fan header

The DC Fan header allows you to connect a fan to actively cool the system.



Tinker Board 2 / 2S FAN connector

Connector Type	JST PH 2P 2.00mm
Reference PN:	JST, PHR-2

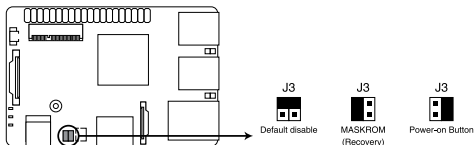
WARNING!

- These are not jumpers! Do not place jumper caps on the fan connectors.
- Ensure the cable is fully inserted into the connector.

NOTE: The fan is purchased separately.

7. Power On header and Maskrom jumper

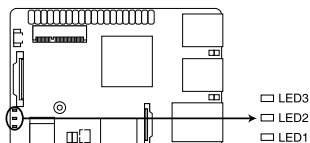
The Power On header allows you to connect an external power button. The Maskrom jumper allows you to mask the eMMC (rom) for recovery. This will allow you to enter developer mode due to the undetected storage and rewrite the eMMC.



Tinker Board 2 / 2S Power on & Maskrom

8. Status LEDs

The Status LEDs indicate the current status of the Single Board Computer.

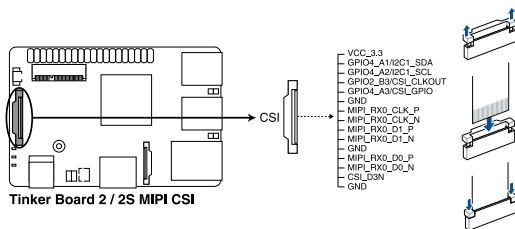


Tinker Board 2 / 2S Programmable LED

LED Indication	
LED3 (Yellow)	Reserved (Programmable)
LED2 (Green)	Disk Activity
LED1 (Red)	Power

9. MIPI CSI connector

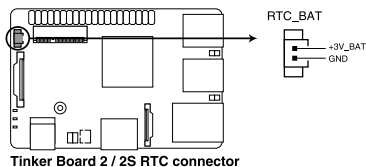
The MIPI CSI connector is used to connect a MIPI camera module via a 2 lane MIPI-CSI2 cable. This connector supports up to 3 Gbps connection speed.



WARNING! Ensure the cable for MIPI CSI is connected in the correct orientation with the gold fingers facing towards the rear of the Single Board Computer.

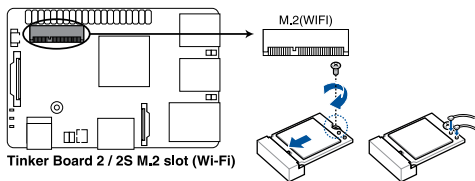
10. RTC Battery header

The RTC Battery header allows you to connect the lithium battery.



11. M.2 Wi-Fi Slot (E-Key)

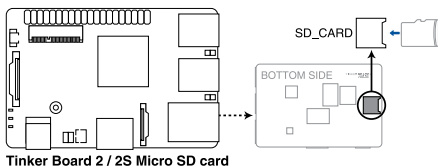
The M.2 Wi-Fi slot allows you to install an M.2 Wi-Fi module (E-key, type 2230).



WARNING! Disconnect all power (including redundant PSUs) before you add or remove a memory card, and then reboot the system to access the memory card.

12. Micro SD Card slot*

The microSD card slot allows you to install a microSD memory card v2.00 (SDHC) / v3.00 (SDXC) for storage.



WARNING! Disconnect all power (including redundant PSUs) from the existing system before you add or remove a memory card, then reboot the system to access the memory card.

- * The Micro SD Card slot is located under the dust cover on the right side of the device.

2

Using your Tinker System 2

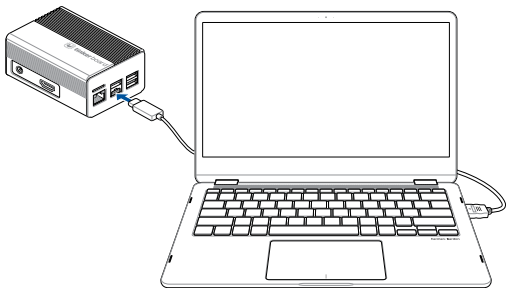
Getting started

Install the operating system

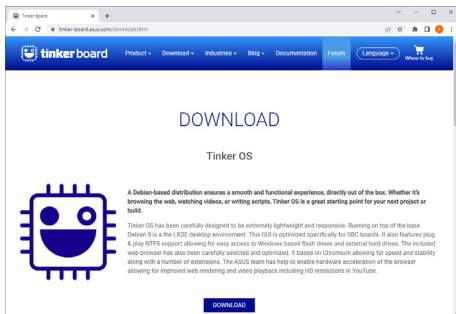
Before powering up your system for the first time, you need to first install the operating system.

To install the operating system on your Tinker System 2:

1. Connect Tinker System 2 to a PC using a USB Type-C® cable, and wait for the PC to recognize the device.



2. Go to the Tinker Board website (<https://tinker-board.asus.com/download.html>) and click **DOWNLOAD**.



3. Select **Tinker Board 2S** from the dropdown menu.
4. From the list of available downloads, select the Tinker OS image that you want to install, and click **DOWNLOAD**.
5. Once the image file is downloaded, burn it to the Tinker System 2's eMMC using a third-party ISO software, such as Win32DiskImager or Etcher.
6. Disconnect Tinker System 2 from the PC.

Connect a display to your Tinker System 2

You can connect a display to your Tinker System 2 that has the following port:

- HDMI™ port
 - USB 3.2 Gen 1 Type-C® OTG port
-

NOTES:

- Up to two displays may be connected simultaneously, depending on available display ports*.
- Using one of the ports listed below as the only display output source will provide the following maximum resolution**:
 - HDMI™ port
Supports a resolution of up to 4096 x 2160 @60Hz.
 - USB 3.2 Gen 1 Type-C® OTG port
Supports DP 1.2 with a resolution of up to 4096 x 2160 @60Hz.

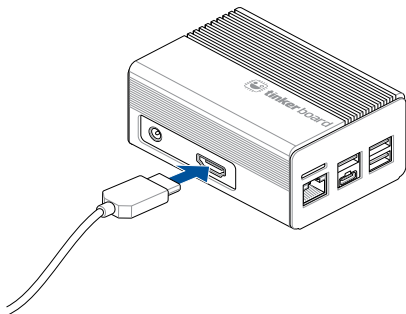
* **The ports may vary depending on the model. Refer to the Features section for the location of the ports.**

** **The maximum resolution may be affected by the cabling and output device.**

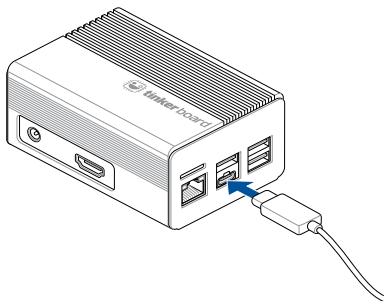
To connect a display to your Tinker System 2:

Connect one end of an HDMI™ or USB 3.2 Gen 1 Type-C® OTG cable to an external display, and the other end of the cable to your Tinker System 2's HDMI™ or USB 3.2 Gen 1 Type-C® OTG port.

Connect display via HDMI™ port



Connect display via USB 3.2 Gen 1 Type-C® OTG

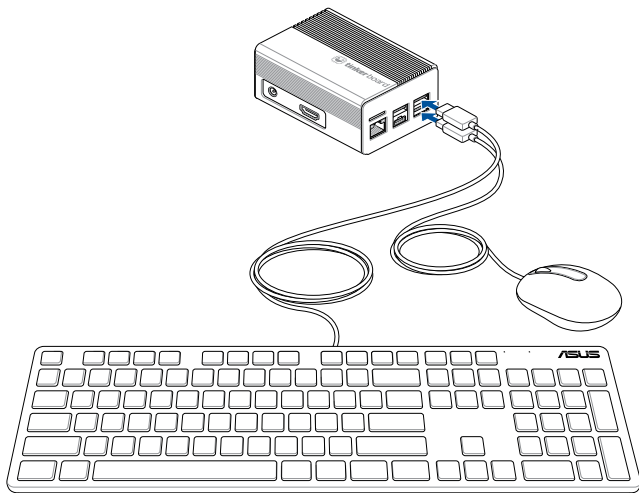


Connect keyboard and mouse

You can connect generally any USB keyboard and mouse to your Tinker System 2. You can also connect a USB dongle for a wireless keyboard and mouse set.

To connect a keyboard and mouse to your Tinker System 2:

Connect the USB cable from your keyboard and mouse to any of the USB ports of your Tinker System 2.

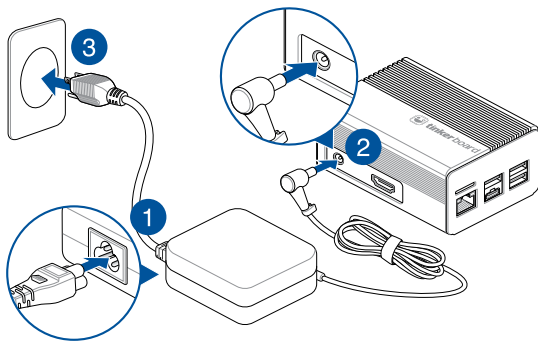


Connect an AC power adapter

To connect an AC power adapter to your Tinker System 2:

1. Connect the power cord to the AC power adapter.
2. Connect the DC power connector into your Tinker System 2's power (DC) input.
3. Plug the AC power adapter into a 100V~240V power source.

NOTE: The system automatically starts when a power supply is connected.



NOTE: Ensure that the power adapter that you use meet the following specifications:

- Input voltage: 100-240 Vac
 - Input frequency: 50-60 Hz
 - Rating output current: 3.75-2.31A (45.0 W)
 - Rating output voltage: 12-19.5 Vdc
-

Appendix

Safety information

Your Tinker System 2 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.



- Do not ingest battery, Chemical Burn Hazard.
- This product contains a coin / button cell battery. If the coin /button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.
- Keep new and used batteries away from children.
- If the battery compartment does not close securely, stop using the product and keep it away from children.
- If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

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

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 40°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 product should be connected by means of a power cord to a socket-outlet with earthing connection.
- 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.

- Avoid contact with hot components inside the Tinker System 2. During operation, some components become hot enough to burn the skin. Before you open the computer cover, turn off the computer, disconnect the power, and wait approximately 30 minutes for the components to cool.
- Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion;
- Leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas;
- A battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.
- Avoid handling or touching the system while powered, as the outer casing may reach temperatures of up to 70°C.

Restricted Access Location

The system should only be installed in a Restricted Access Area where both these conditions apply:

- Access can only be gained by USERS who have been instructed about the reasons for the restrictions applied to the location and about any precautions that shall be taken; and
- Access is through the use of a TOOL or lock and key, or other means of security, and is controlled by the authority responsible for the location.

Safety Precautions

Accessories that came with this product have been designed and verified for the use in connection with this product. Never use accessories for other products to prevent the risk of electric shock or fire.

Regulatory notices

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.

RF exposure warning

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provide with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

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.

HDMI Trademark Notice

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

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-003(B)/NMB-003(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-003(B)/NMB-003(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

Declaration of compliance for product environmental regulation

ASUS follows the green design concept to design and manufacture our products, and makes sure that each stage of the product life cycle of ASUS product is in line with global environmental regulations. In addition, ASUS disclose the relevant information based on regulation requirements.

Please refer to <https://csr.asus.com/Compliance.htm> for information disclosure based on regulation requirements ASUS is complied with:

EU REACH and Article 33

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

<https://csr.asus.com/english/REACH.htm>

EU RoHS

This product complies with the EU RoHS Directive. For more details, see

<https://csr.asus.com/english/article.aspx?id=35>

Japan JIS-C-0950 Material Declarations

Information on Japan RoHS (JIS-C-0950) chemical disclosures is available on

<https://csr.asus.com/english/article.aspx?id=19>

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.

Vietnam RoHS

ASUS products sold in Vietnam, on or after September 23, 2011, meet the requirements of the Vietnam Circular 30/2011/TT-BCT.

Các sản phẩm ASUS bán tại Việt Nam, vào ngày 23 tháng 9 năm 2011 trở về sau, đều phải đáp ứng các yêu cầu của Thông tư 30/2011/TT-BCT của Việt Nam.

Turkey RoHS

AEEE Yönetmeliğine Uygundur

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 <https://csr.asus.com/english/Takeback.htm> for detailed recycling information in different regions.

Ecodesign Directive

European Union announced a framework for the setting of ecodesign requirements for energy-related products (2009/125/EC). Specific Implementing Measures are aimed at improving environmental performance of specific products or across multiple product types. ASUS provides product information on the CSR website. The further information could be found at <https://csr.asus.com/english/article.aspx?id=1555>.



DO NOT throw the device 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.

EPEAT (Electronic Product Environmental Assessment Tool) registered products

The public disclosure of key environmental information for ASUS EPEAT registered products is available on CSR web site <https://csr.asus.com/english/article.aspx?id=41>. More information about EPEAT program and purchaser guidance can be found on the EPEAT website www.epeat.net.

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:



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 : **Embedded Computer**
Model Number : **TINKER SYSTEM 2**

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

Service and Support

Visit our multi-language website at <https://www.asus.com/support/>.

