

E13446 First Edition December 2017

TINKER BOARD S

Innovatively enjoy a whole new digital experience

享受創新的數位體驗

享受创新的数字体验

Profitez d'une toute nouvelle expérience numérique et innovante

Наслаждайтесь новыми инновационными технологиями いまだかつてない新感覚のデジタル体験を提供します。

Sperimentate un'esperienza di interazione digitale completamente nuoval Иновативно, наспаждавайте се на изцяло ново цифрово изживяване.

Zcela nový převratný digitální zážitek Nvd en hel nv digital oplevelse

Geniet innovatief van een volledig nieuwe digitale ervaring

Naudi innovatiivselt kogu uut digitaalset kogemust

Nauti innovatiivisesta aivan uudesta digitaalisesta kokemuksesta

Genießen Sie ein rundum neues Digitalerlebnis

Καινοτομική απόλαυση μιας εξολοκλήρου νέας εμπειρίας

Vadonatúi digitális élmény

Menikmati pengalaman digital yang benar-benar baru secara inovatif. Топығымен жана санлық тәжірибеге инновациялық турле кол жеткізініз

완전히 새로운 디지털 세계를 획기적으로 즐겨보세요.

Güstiet pilnīgi jaunu digitālo baudījumu inovatīvā veidā

Mėgaukitės visiškai naujais skaitmeniniais potyriais

Få glede av en helt ny, innovativ digital opplevelse

Korzystaj z zupełnie nowego cyfrowego rozwiązania

Desfrute de uma nova experiência digital de forma inovadora

Bucurati-vă în cel mai inovator mod de noua experientă digitală

Inovativno uživaite u celom, novom, digitalnom iskustvu Inovatívne si vychutnávaite úplne nový digitálny zážitok

Sea el primero en disfrutar de una nueva experiencia digital total

Innovativ niutning av en helt ny digital upplevelse

Tamamen veni varatıcı bir diiital denevim vasavın

Tân hưởng trải nghiệm số hoàn toàn mới theo cách cải tiến

เพลิดเพลินกับการสร้างสรรค์ประสบการณ์ดีจิตอลใหม่ทั้งหมด

استمتع بتجربة رقمية جديدة تمامًا وبشكل مبتكر

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Thank you for purchasing ASUS Tinker Board S!

Tinker Board 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!

Package contents

Check your Tinker Board S package for the following items:

1 x Tinker Board S/2G

1 x Heatsink*

1 x Quick start guide 1 x Shielding bag

Beware of high temperatures when only using the bundled heat sink.

Safety Information

- Power supply used with the Tinker shall comply with relevant regulations and applicable
- DO NOT overclock the board, as this may cause damage to the board.
- Ensure that the board is placed in a well ventilated environment.
- The board should be placed on a flat, stable, non-conductive surface.
- Avoid handling the board while powered. Handle the board by the edges to minimize risk of Electronic Static Damage (ESD).

ASUS Tinker Board S specifications summary Getting Started

	Hockchip HK3288 Cortex-A1 / Quad-core SoC*					
Processor	 The CPU will operate at full capacity, take note of heat dissipation and AC adaptor stability. 					
GPU	ARM® Mali™-T760 MP4 GPU					
	1 x HDMI* supports up to 4K					
Display	1 x 15-pin MIPI DSI supports up to HD					
J. 10 p. 11 p. 12	 HDMI supports a maximum resolution of up to 4K, and the iGPU only supports H.264/H.265 4K hardware decoders. 					
Memory Size	Dual-CH LPDDR3 2GB					
Storage	Micro SD(TF) card slot					
	16GB eMMC					
Connectivity	RTL8211E-VB-CG GB LAN					
	AW-NB177NF 802.11 b/g/n wireless & BT 4.0 + EDR					
Audio	RTL ALC4040 Codec with 1 x 3.5mm audio jack					
	* Hardware ready for audio jack plug detection.					
USB	4 x USB 2.0 ports					
Camera Interface	1 x 15-pin MIPI CSI slot for camera					
	1 x 40-pin header includes:					
	- up to 28 x GPIO pins					
	- up to 2 x SPI bus					
	- up to 2 x I2C bus					
	- up to 4 x UART					
	- up to 2 x PWM					
	- up to 1 x PCM/I2S					
Internal Headers	- 2 x 5V power pins					
	- 2 x 3.3V power pins					
	- 8 x ground pins					
	- 1 x 4-pin header for Power On and eMMC Recovery					
	1 x 2-pin contact point includes:					
	- 1 x PWM signal					
	- 1 x S/PDIF signal					
Power Connector	Micro USB					
	* Supports low power voltage detection.					
	** We recommend using the Tinker Power Supply or a qualified 5V/3A power supply.					
OS Support	Debian					
Dimension	3.37" x 2.125"					
Warranty	1 Year					

Bockchin RK3288 Cortex-A17 Quad-core SoC*

Booting from onboard eMMC

Requirement:

Requirement:

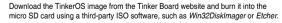
- 1 x Micro USB cable with data transfer function
- 1 x Tinker Power Supply* or other qualified 5V/3A power supply**
- 1 x Monitor with HDMI cable
- 1 x Keyboard and Mouse set
- * The Tinker Power Supply is purchased seperately.
- ** Ensure that the cable is able to deliver up to 3A of power current.
- Connect the Tinker Board S to a PC using a Micro USB cable, then wait for the PC to recognize the device.
- 2 Download the TinkerOS image from the Tinker Board website and burn it into the Tinker Board S using a third-party ISO software, such as Win32DiskImager or Etcher.
- Connect the power supply, keyboard, mouse, and monitor to your Tinker Board S to

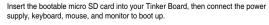
Booting from external Micro SD card

- 1 x Micro SD card with at least 8GB capacity
- 1 x Tinker Power Supply* or other qualified 5V/3A power supply**
- 1 x Monitor with HDMI cable
- 1 x Keyboard and Mouse set
- * The Tinker Power Supply is purchased seperately.
- ** Ensure that the cable is able to deliver up to 3A of power current.



Insert the micro SD card into a Windows® PC





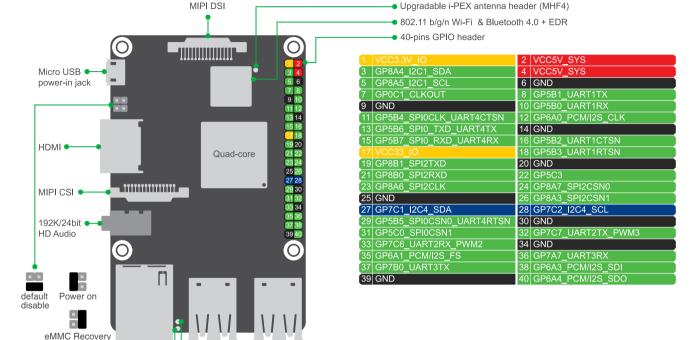


If the eMMC cannot be recognized, please refer to www.asus.com for more details on eMMC Recovery.

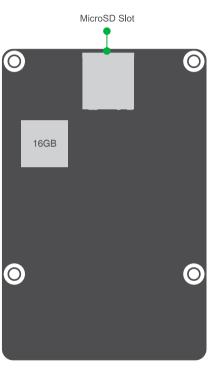
Top view

GbE LAN ●

S/PDIF USB 2.0 Ports



Bottom view



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

- 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
- Consult the dealer or an experienced radio/TV technician for help.



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.

End Product Labeling

This transmitter module is authorized only for use in device where the antenna may be installed such that 20cm may be maintained between the antenna and users. The final end product must be labeled in a visible area with the following:

Contains FCC ID: TX2-RTL8723BS and Contains IC: 6317A-RTL8723BS

Regional notice for Singapore

This ASUS product complies with IMDA Standards.

Compliance Statement of Innovation, Science and Economic Development

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.

Précautions d'emploi de l'appareil

- Sovez particulièrement vigilant quant à votre sécurité lors de l'utilisation de cet appareil dans certains lieux (les avions, les aéroports, les hôpitaux, les stations-service et les garages professionnels).
- Évitez d'utiliser cet appareil à proximité de dispositifs médicaux implantés. Si vous portez un implant électronique (stimulateurs cardiagues, pompes à insuline, neurostimulateurs...), veuillez impérativement respecter une distance minimale de 15 centimètres entre cet appareil et l'implant pour réduire les risques d'interférence.
- Utilisez cet appareil dans de bonnes conditions de réception pour minimiser le niveau de rayonnement. Ce n'est pas toujours le cas dans certaines zones ou situations, notamment dans les parkings souterrains, dans les ascenseurs, en train ou en voiture ou tout simplement dans un secteur mal couvert par le réseau.
- Tenez cet appareil à distance du ventre des femmes enceintes et du bas-ventre des adolescents

Mexico Notice

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

Contains module BCPRFRT14-1098

La operación de este equipo está sujeta a las siguientes dos condiciones: (1) es posible que este equipo o dispositivo no cause interferencia perjudicial y (2) este equipo o dispositivo debe aceptar cualquier interferencia, incluvendo la que pueda causar su operación no deseada.

Radio Frequency (RF) Exposure Information

mobile exposure conditions, (antennas are greater than 20cm from a person's body).

The radiated output power of the Wireless Device is below the Industry Canada (IC) radio frequency exposure limits. The Wireless Device should be used in such a manner such that the potential for human contact during normal operation is minimized.

This device has also been evaluated and shown compliant with the IC RF Exposure limits under

Informations concernant l'exposition aux fréquences radio (RF)

La puissance de sortie émise par l'appareil de sans fil est inférieure à la limite d'exposition aux fréquences radio d'Industry Canada (IC). Utilisez l'appareil de sans fil de facon à minimiser les contacts humains lors du fonctionnement normal.

Ce périphérique a également été évalué et démontré conforme aux limites d'exposition aux BE d'IC dans des conditions d'exposition à des appareils mobiles (antennes sont supérieures à 20 cm à partir du corps d'une personne).

KC: Korea Warning Statement

B급 기기 (가정용 방송통신기자재) 이 기기는 가정용(B급) 정자파적합기기로서 주로 가정에서 사용하는 것을 목적으로 하며, 모든 지역에서 사용할 수 있습니다.

NCC: Taiwan Wireless Statement

Contains module CCAF14I P0731T0

經型式認證合格之低功率射頻電機,非經許可,公司、商號或使用者均不得擅自變更頻率、加大 功率或變更原設計之特性及功能。低功率射頻雷機之使用不得影響飛航安全及干擾合法補信;經 發現有干擾現象時,應立即停用,並改善至無干擾時方得繼續使用。前項合法涌信,指依電信法 規定作業之無線電通信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機 設備之干擾。

限用物質及其化學符號

借考? "-" 係指該項限用物質為排除項目

單元	限用物質及其化學符號						
	鉛 (Pb)	汞 (Hg)	鎘 (Cd)	六價鉻 (Cr ⁺⁶)	多溴聯苯 (PBB)	多溴二苯醚 (PBDE)	
印刷電路板及電子組件	-	0	0	0	0	0	
其他及其配件	-	0	0	0	0	0	
備考1. "O" 係指該項限用物質	拿 之百分比?	*量未超出百	分比含量基	準値。			

VCCI: Japan Compliance Statement

Contains module 204-430024

Class B ITE

この装置は クラス B 情報技術装置です。この装置は 家庭環境で使用することを目 的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、 受信障害を引き起こすことがあります。 取扱説明書に従って正しい取り扱いをして下さい。

VCCI-B

Maximum Radio-Frequency Output Table					
Bluetooth RF (2400~2483.5 MHz)	1.75 (dBm)				
Bluetooth 4.0-LE (2400~2483.5 MHz)	1.94 (dBm)				
2.4GHz 802.11b (2400~2483.5 MHz)	12.95 (dBm)				
2.4GHz 802.11g (2400~2483.5 MHz)	12.89 (dBm)				
2.4GHz 802.11n HT20 (2400~2483.5 MHz)	12.78 (dBm)				
2.4GHz 802.11n HT40 (2400~2483.5 MHz)	10.28 (dBm)				

Contains module 2381-14-4076





Simplified EU Declaration of Conformity ASLISTek 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/

Déclaration simplifiée de conformité de l'UE

ASLISTek Computer Inc. déclare par la présente que cet

ASUSTeK Computer Inc. ovim iziavljuje da je ovaj uređaj appareil est conforme aux critères essentiels et autres clauses pertinentes de la directive 2014/53/ELLLa déclaration de conformité de l'UE peut être téléchargée à partir du site internet suivant : https://www.asus.com/support/

Společnost ASUSTek Computer Inc. tímto problašuje, že Egyszerűsített EU megfelelőségi nyilatkozat toto zařízení splňuje základní požadavky a další příslušná

Az ASUSTek Computer Inc. ezennel kijelenti, hogy ez istanovaní směrnica 2014/53 / FLL Plné znění prohláčení o shodě EU je k dispozici na adrese https://www.asus.com/support/ Forenklet EU-overensstemmelseserklæring

ASLISTEK Computer Inc. erklærer hermed at denne enhed er i overensstemmelse med hovedkravene og øvrige relevante hestemmelser i direktivet 2014/53/EU. Hele EU ASUSTek Computer Inc. con la presente dichiara che questo overensstemmelseserklæringen kan findes nå https://www.asus.com/support/

Vereenvoudigd EU-conformiteitsverklaring ASUSTEK Computer Inc. verklaart hierbij dat dit apparaat

voldoet aan de essentiële vereisten en andere relevante benalingen van Richtlijn 2014/53/FU. De volledige tekst van de FU-conformiteitsverklaring is beschikbaar op https://www.asus.com/support/

Gäesolevaga kinnitab ASUSTek Computer Inc. et seade

Lihtsustatud EÜ vastavusdeklaratsioon

vastab direktiivi 2014/53/FÜ olulistele nõuetele ja teistele asjakohastele sätetele. EL vastavusdeklaratsiooni täistekst on /saadaval veebisaidil https://www.asus.com/support

تقر شركة ASUSTek Computer أن هذا الجهاز يتوافق مع

ASUSTek Computer Inc. ilmoittaa täten, että tämä laite ويُوفِّر النَّصْ الكَامَلَ لِإعلان التَّوافق الصادر عن الاتحاد on direktiivin 2014/53/EU olennaisten vaatimusten ja muiden asiaankuuluvien lisävsten mukainen. Koko EY:r zaatimustenmukaisuusvakuutuksen teksti on luettavissa

osoitteessa https://www.asus.com/support/

С настоящото ASUSTek Computer Inc. декларира, че това устройство е в съответствие със съществените ASUSTek Computer Inc در انتجا اعلام می کند که این دستگاه изисквания и другите приложими постановления на свързаната Директива 2014/53/ЕС. Пълният текст на ЕС декларация за съвместимост е достъпен на адрес https://www.asus.com/support/

https://www.asus.com/support/

Declaração de Conformidade UE Simplificada ASUSTek Computer Inc. declara que este dispositivo está

Διά του παρόντος η ASUSTek Computer Inc. δηλώνει em conformidade com os requisitos essenciais e outras disposições relevantes relacionadas às diretivas 2014/53/UE O texto completo da declaração de conformidade CE está disponível em https://www.asus.com/support/

Poiednostavliena EU Iziava o sukladnosti

Vereinfachte EU-Konformitätserklärung

Konformitätserklärung ist verfügbar unter:

Dichiarazione di conformità UF semplificata

all'indirizzo: https://www.asus.com/support/

ASUSTek Computer Inc. заявляет, что устройство

соответствует основным требованиям и другим

соответствующим условиям лирективы 2014/53/ЕЦ

Опростена декларация за съответствие на ЕС

Полный текст лекларации соответствия ЕС лоступен на

المتطلبات الأساسية و الأحكام الأخرى ذات الصلة الخاصة بتوجيه

dispositivo è conforme ai requisiti essenziali e alle altre

disposizioni pertinenti con la direttiva 2014/53/EU II testo

Упрошенное заявление о соответствии европейской

completo della dichiarazione di conformità UE è disponibile

https://www.asus.com/support/

https://www.asus.com/support/

ASUSTek COMPUTER INC erklärt hiermit, dass dieses

Gerät mit den grundlegenden Anforderungen und

anderen relevanten Bestimmungen der Richtlinie

2014/53/EU übereinstimmt. Der gesamte Text der EU

sukladan s bitnim zahtievima i ostalim odgovarajućim odredbama direktive 2014/53/EU. Ciieli tekst EU iziave o sukladnosti dostupan je na https://www.asus.com/support/

Ziednodušené prohlášení o shodě EU

az eszköz megfelel az 2014/53/FU sz. irányely alapyető követelményeinek és egyéb vonatkozó rendelkezéseinek. Az FU megfelelőségi nyilatkozat teljes szövegét a következő weboldalon tekintheti meg: https://www.asus.com/support/ https://www.asus.com/support/

Pernyataan Kesesuaian UE yang Disederhanakan

ASUSTeK Computer Inc. dengan ini menyatakan bahwa perangkat ini memenuhi persyaratan utama dan ketentuan relevan lainnya yang terdapat pada Petunjuk 2014/53/EU. Teks lengkap pernyataan kesesuaian EU tersedia di: https://www.asus.com/support/

Vienkāršota ES atbilstības paziņojums Poenostavljena izjava EU o skladnosti

ASUSTeK Computer Inc. ar šo pazino, ka šī ierīce atbilst Direktīvas 2014/53/FS būtiskajām prasībām un citiem citiem saistošaijem nosacijumiem. Pilns ES atbilstības paziņojuma teksts pieejams šeit: https://www.asus.com/support/

Supaprastinta ES atitikties deklaracija

Šiame dokumente hendrovė. ASUSTek Computer Por la presente ASLISTek Computer Inc. declara que este Inc." pareiškia, kad šis prietaisas atitinka pagrindinius reikalavimus ir kitas susijusias Direktyvos 2014/53/ES nuostatas. Visas ES atitikties deklaracijos tekstas pateikiamas asus.com/support/ está disponible el texto completo de la čia: https://www.asus.com/support/

Forenklet EU-samsvarserklæring

ASUSTek Computer Inc. erklærer herved at denne enheten er i samsvar med hovedsaklige krav og andre relevante forskrifter i direktivet 2014/53/FU. Fullstendig tekst for FUsamsvarserklæringen finnes på: https://www.asus.com/support/

Uproszczona deklaracja zgodności UE

با نیاز های اساسی و سایر مقررات مربوط به بیانیه 2014/53/EU. Firma ASUSTek Computer Inc. ninieiszym oświadcza, że مطابقت دار د. متن کامل پیروی از این بیانیه اتحادیه اروپا در این آدرس urzadzenie to jest zgodne z zasadniczymi wymogami i innymi właściwymi postanowieniami dyrektywy 2014/53/ .https://www.asus.com/support/

Απλοποιημένη Δήλωση Συμμόρφωσης ΕΕ

ότι αυτή η συσκευή είναι σύμμορφη με τις βασικές τροϋποθέσεις και άλλες σχετικές διατάξεις της Οδηνίας 2014/53/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης της ΕΕ είναι διαθέσιμο στη διεύθυνση https://www.asus.com/support/

הצהרת תאימות רגולטורית מקוצרת עבור האיחוד אירופי

تبعیت از نسخه ساده شده بیانیه اتحادیه از و با

ASUSTek Computer Inc תואם לדרישות החיוניות ולשאר הסעיפים הרלוונטיים של תקנה 2014/53/EU. ניתו לקרוא את הנוסח המלא של הצהרת התאימות הרגולטורית עבור האיחוד האירופי בכתובת: https://www.asus.com/support/

Pojednostavljena Deklaracija o usaglašenosti EU

Ziednodušené vyhlásenie o zhode platné pre FÚ

Spoločnosť ASUSTek Computer Inc. týmto vyhlasuje, že toto zariadenie je v súlade so základnými požiadavkami a ďalšími príslušnými ustanoveniami smernice č. 2014/53/FIÍ. Plné znenie vyhlásenia o zhode pre EÚ je k dispozícii na lokalite https:// www.asus.com/support/

ASUSTek Computer Inc. tukai iziavlia, da je ta naprava skladna s temelinimi zahtevami in drugimi relevantnimii določili Direktive 2014/53/EU. Polno besedilo iziave EU o skladnosti je na voljo na https://www.asus.com/support/

Declaración de conformidad simplificada para la UE

dispositivo cumple los requisitos básicos y otras disposiciones pertinentes de la directiva 2014/53/EU. En https://www. declaración de conformidad para la UE.

ASUSTek Computer Inc. deklarerar härmed att denna enhet överensstämmer med de grundläggande kraven och andra relevanta bestämmelser i direktiv 2014/53/FU. Fullständig text av EU-försäkran om överensstämmelse finns på https://www.asus.com/support/

ประกาศเกียวกับความสอดคล้องของสหภาพยโรปแบบย่อ

ASUSTek Computer Inc. ขอประกาศในที่นีว่าอปกรณ์นี้มีความ สอดดล้องกับดวาบ

ข้อกำหนด 2014/53/EU เนื้อหาที่สมบูรณ์ของประกาศความ สอดคล้องกับ EU มีอยู่ที่ https://www.asus.com/support/

Declaração de Conformidade Simplificada da UE Rasitlestirilmis AR Uvumluluk Rildirimi A ASUSTek Computer Inc. declara que este dispositivo

está em conformidade com os requisitos essenciais e ASUSTek Computer Inc., bu avoitin 2014/53/EU Yönergesinin outras disposições relevantes da Diretiva 2014/53/UE, O texto integral da declaração de conformidade da UE está disponível em https://www.asus.com/support/ adreste bulunabilir: https://www.asus.com/support/

Declaratie de conformitate UE, versiune simplificată Prin prezenta, ASUSTek Computer Inc. declară că acest

EU. Pełny tekst deklaracji zgodności UE jest dostępny pod

adresem https://www.asus.com/support/

dispozitiv este în conformitate cu reglementările esentiale si cu celelalte prevederi relevante ale Directivei 2014/53/ UE. Textul complet al declaratiei de conformitate UE este disponibil la adresa https://www.asus.com/support/

ASUSTek Computer Inc. ovim iziavljuje da je ovaj uređaj

usaglašen sa osnovnim zahtevima i drugim relevantnim odredbama Direktive 2014/53/FU. Ceo tekst Deklaracije o usaglašenosti FU dostupan je na lokaciji

Förenklad FU-försäkran om överensstämmelse

ต้องการที่จำเป็นและเงือนไขทีเกียวข้องอื่น ๆ ของบทบักเก็ติ

temel gereksinimlerine ve diğer ilgili hükümlerine uygun olduğunu bildirir. AB uygunluk bildiriminin tam metni su

Спрощена декларація про відповідність нормам ЄС

ASUSTek Computer Inc. заявляє, що цей пристрій

відповідає основним вимогам та іншим відповідним вимогам Лирективи 2014 / 53 / FU. Повний текст декларації відповідності нормам ЄС доступний на https://www.asus.com/support/

DECLARATION OF CONFORMITY

Per FCC Part 2 Section 2, 1077(a)

Responsible Party Name: Asus Computer International

Address: 800 Corporate Way, Fremont, CA 94539.

Phone/Fax No: (510)739-3777/(510)608-4555

hereby declares that the product

Product Name · Motherhoard

Model Number : TINKER BOARD S

Conforms to the following specifications:

□ FCC Part 15. Subpart B. Unintentional Radiators

Supplementary Information:

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.

This device complies with part 15 of the FCC Rules. Operation is subject to the