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Date: 2020/03/24
Subscriber: 820071001
PartySite:
File No: E187242
Project No: 4789368085
PD No: 20015171
Type: R
PO Number:

Subject: **Procedure And/Or Report Material**

The following material resulting from the investigation under the above numbers is enclosed.

Issue

<u>Date</u>	<u>Vol</u>	<u>Sec</u>	<u>Pages</u>	<u>Revised Date</u>
	11		Revised Index Page(s) 1	2020/03/18
2020/03/18	11	4	Cert of Compliance	
2020/03/18	11	4	Add New Proc/Report Sect	

Customer PO# ASL20010376

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Please file revised pages and illustrations in place of material of like identity. New material should be filed in its proper numerical order.

NOTE: Follow-Up Service Procedure revisions DO NOT include Cover Pages, Test Records and Conclusion Pages. Report revisions DO NOT include Authorization Pages, Indices, Section General Pages and Appendixes.

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TPI File

<u>Models</u>	<u>Section</u>	<u>Report Date</u>
TP412xxxxxxxxxxxxxxxxxxxxxx, J412xxxxxxxxxxxxxxxxxxxxxx, R563xxxxxxxxxxxxxxxxxxxxxx, SF4100xxxxxxxxxxxxxxxxxxxxxx, P1452xxxxxxxxxxxxxxxxxxxxxx (x = A-Z, a-z, - or blank; y = 0-9, A-Z, a-z, - or blank, for marketing purpose and no impact safety related construction and critical components)	1	2020-02-26
S431xxxxxxxxxxxxxxxxxxxxxx, V431xxxxxxxxxxxxxxxxxxxxxx, K431xxxxxxxxxxxxxxxxxxxxxx, S4500xxxxxxxxxxxxxxxxxxxxxx (x = A- Z, a-z, - or blank; y = 0-9, A-Z, a-z, - or blank, for marketing purpose and no impact safety related construction and critical components)	2	2020-03-02
UX325xxxxxxxxxxxxxxxxxxxxxx, BX325xxxxxxxxxxxxxxxxxxxxxx, RX325xxxxxxxxxxxxxxxxxxxxxx, UX3700xxxxxxxxxxxxxxxxxxxxxx (x = A-Z, a-z, - or blank; y = 0-9, A-Z, a-z, - or blank, for marketing purpose and no impact safety related construction and critical components)	3	2020-03-17

CERTIFICATE OF COMPLIANCE

Certificate Number E187242
Report Reference E187242-20200318
Issue Date 2020-MARCH-24

Issued to: ASUSTEK COMPUTER INC
1F No 15 Lide Rd
Beitou Dist
Taipei City
112 TAIWAN

This certificate confirms that
representative samples of

AUDIO/VIDEO, INFORMATION AND COMMUNICATION
TECHNOLOGY EQUIPMENT
See Addendum page

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety:

UL 62368-1, - (Audio/video, Information and
Communication Technology Equipment - Part 1: Safety
Requirements)
CAN/CSA C22.2 No. 62368-1-14, -(Audio/video,
Information and Communication Technology Equipment -
Part 1: Safety Requirements)

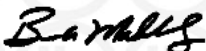
Additional Information:

See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Mark. Only the UL Follow-Up
Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's
Follow-Up Services.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program
UL LLC

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CERTIFICATE OF COMPLIANCE

Certificate Number E187242
Report Reference E187242-20200318
Issue Date 2020-MARCH-24

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Notebook PC

UX425xxxxxxxxxxxxxxxxxx, BX425xxxxxxxxxxxxxxxxxx, RX425xxxxxxxxxxxxxxxxxx,
UL4700xxxxxxxxxxxxxxxxxx (x = A-Z, a-z, - or blank; y = 0-9, A-Z, a-z, - or blank, for marketing purpose
and no impact safety related construction and critical components)



Bruce Mahrenholz, Director North American Certification Program

UL LLC

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File E187242
Project 4789368085

March 18, 2020

REPORT

on

Audio/video, Information and Communication Technology Equipment

ASUSTEK COMPUTER INC
Taipei, Taiwan

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UL TEST REPORT AND PROCEDURE

Standard:	UL 62368-1, 2nd Edition, 2014-12-01 (Audio/video, Information and Communication Technology Equipment - Part 1: Safety Requirements) CAN/CSA C22.2 No. 62368-1-14, 2nd Edition, 2014-12 (Audio/video, Information and Communication Technology Equipment - Part 1: Safety Requirements)
Certification Type:	Listing
CCN:	AZOT, AZOT7 (Audio/Video, Information and Communication Technology Equipment)
Complementary Certification CCN:	N/A
Product:	Notebook PC
Model:	UX425xxxxxxxxxxxxxxxxxxxx, BX425xxxxxxxxxxxxxxxxxxxx, RX425xxxxxxxxxxxxxxxxxxxx, U4700xxxxxxxxxxxxxxxxxxxx (x = A-Z, a-z, - or blank; y = 0-9, A-Z, a-z, - or blank, for marketing purpose and no impact safety related construction and critical components)
Rating:	(Optional) 20Vdc, 3.25A
Applicant Name and Address:	ASUSTEK COMPUTER INC 1F No 15 Lide Rd Beitou Dist Taipei City 112 TAIWAN

This is to certify that representative samples of the products covered by this Test Report have been investigated in accordance with the above referenced Standards. The products have been found to comply with the requirements covering the category and the products are judged to be eligible for Follow-Up Service under the indicated Test Procedure. The manufacturer is authorized to use the UL Mark on such products which comply with this Test Report and any other applicable requirements of UL LLC ('UL') in accordance with the Follow-Up Service Agreement. Only those products which properly bear the UL Mark are considered as being covered by UL's Follow-Up Service under the indicated Test Procedure.

The applicant is authorized to reproduce the referenced Test Report provided it is reproduced in its entirety.

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Prepared by: Eddie Shi

Reviewed by: Kemp He

Supporting Documentation

The following documents located at the beginning of this Procedure supplement the requirements of this Test Report:

- A. Authorization - The Authorization page may include additional Factory Identification Code markings.
- B. Generic Inspection Instructions -
 - i. Part AC details important information which may be applicable to products covered by this Procedure. Products described in this Test Report must comply with any applicable items listed unless otherwise stated in the body of this Test Report
 - ii. Part AE details any requirements which may be applicable to all products covered by this Procedure. Products described in this Test Report must comply with any applicable items listed unless otherwise stated in the body of each Test Report
- C. Listing Mark/Recognized Component Mark Data Page - details the requirements for the UL Certification Mark which is not controlled by the technical standard used to investigate these products. Products are permitted to bear only the Certification Mark(s) corresponding to the countries for which it is certified, as indicated in each Test Report.

Product Description

The EUT is a Class III Notebook PC. The unit will be connected to a certified power adapter, ref. list of critical components.

Electrical components are mounted on PWB which is enclosed by metal and plastic enclosure and accompanied with one flash SSD, one USB port, two USB Type-C ports (with DC IN function), one HDMI port, and one SD card reader.

Model Differences

UX425xxxxxxxxxxxxxxxxx, BX425xxxxxxxxxxxxxxxxx, RX425xxxxxxxxxxxxxxxxx,
U4700xxxxxxxxxxxxxxxxx (x = A-Z, a-z, - or blank; y = 0-9, A-Z, a-z, - or blank, for marketing purpose and no impact safety related construction and critical components)

All models are the same except for model designation and marketing purpose.

Test Item Particulars (NOT FOR FIELD REPRESENTATIVE'S USE)

- Classification of installation and use by: ☒ Ordinary person ☐ Instructed person
☐ Skilled person ☒ Children likely to be present
- Supply Connection.....: ☐ pluggable equipment ☐ type A ☐ type B
☐ permanent connection
☐ detachable power supply cord
☐ non-detachable power supply cord
☒ not directly connected to the mains
- Equipment mobility: ☐ movable ☐ hand-held ☒ transportable
☐ stationary ☐ for building-in ☐ direct plug-in
☐ rack-mounting ☐ wall-mounted
- Over voltage category (OVC): ☐ OVC I ☐ OVC II ☐ OVC III ☐ OVC IV
☒ other: Not directly connected to the mains
- Fundamental Frequency.....: ☐ 50/60 Hz ☐ 50 Hz ☐ 60 Hz ☐ other ____ Hz
- Class of equipment: ☐ Class I ☐ Class II ☒ Class III
☐ Not classified
- Access location: ☐ restricted access location ☒ N/A
- Pollution degree (PD): ☐ PD 1 ☒ PD 2 ☐ PD 3
- IP protection class: ☒ IP X0 ☐ IP ____
- Tested for IT power systems: ☐ Yes ☒ No
- IT testing, phase-phase voltage (V): ☐ ____ ☒ N/A

Altitude during operation (m)	☐ Up to 2,000	☒ Up to <u>5000</u> m
Altitude of test laboratory (m)	☒ Less than 2,000	☐ Approximately _____
Mass of equipment (kg)	Max. 1.33 kg	

Technical Consideration (NOT FOR FIELD REPRESENTATIVE'S USE)

- The product was submitted and evaluated for use at the maximum ambient temperature (Tma) permitted by the manufacturer's specification of: 35 degree C
- The product is intended for use on the following power systems: No direct connection
- Considered current rating of protective device as part of the building installation (A): [X] N/A
- Mains supply tolerance (%) or absolute mains supply values: No direct connection
- The following circuit locations (with circuit/schematic designation) were investigated as a limited power source (LPS): All external output ports
- The following are available from the Applicant upon request: Installation (Safety) Instructions / Manual.
- LEDs provided in the product are considered low power devices: Yes
- The product was investigated to the following additional standards: The unit was evaluated to be operated up to 5000m above sea level and the multiplication factor (1.48, linear interpolation used) of table 17 of UL62368-1 was applied to determine the minimum required clearance.
- Based upon the product specification provided by the manufacturer, this unit is intended to be supplied by an UL listed power supply suitable to use at Tma 35 degree C, altitude 5000m and whose output rated 20Vdc, 3.25A and met ES1.
- Maximum normal load: The unit reads and writes in Flash SSD and operating continuously. Run CPU program until performance to 100%. Each USB port is loaded with 4.5W and one USB Type-C port is loaded with 5Vdc/3A. LED backlight with max. Brightness, max. Volume of speaker, battery pack is fully discharged /charged.

Additional Information

N/A

Additional Standard

The product fulfils the requirements of: N/A

Markings, instructions and instructional safeguards		
Clause Title	Marking or Instruction Details	
	English	French
Equipment identification marking – Manufacturer identification	Listee's or Recognized company's name, Trade Name, Trademark or File Number	
Equipment identification marking – model identification	Model Number	
Equipment rating marking –ratings (Optional)	Input Ratings (voltage, frequency/dc, current/power)	
Inter-connecting cables - External detachable	Listee's Name and Part number (Marking or Instruction)	
Replaceable batteries	The instructions shall have the following description or equivalent: "CAUTION: Risk of Explosion if Battery is replaced by an Incorrect Type. Dispose of Used Batteries According to the Instructions."	"ATTENTION: Risque d'explosion si la batterie est remplacée par un type incorrect. Mettre au rebus les batteries usagées selon les instructions."
Instructions to prevent reasonably foreseeable misuse for Batteries	See Illustration-05.	
Symbols - Stand-by switch	"Stand-by" to be indicated by  (60417-2-IEC-5009)	
Instruction/Installation/Safety	Instruction/Installation/Safety Manual shall be shipped with each unit or bulk shipment. might be provided by following ways: (1) hardcopy; or (2) via CD-ROM or hard disk drive or internet or equivalent type of soft media. If the Instruction/Installation/Safety Manual hardcopy is not shipped with unit, a declaration shall be provided to users and they can access electronic instructions from CD-ROM or hard disk drive or internet or equivalent type of soft media.	
Special Instructions to UL Representative (1) For power adapter which was shipped with the product without listing manufacturer and model (various) in critical component table, the Field Representative should verify the Tma (maximum ambient temperature) is minimum 35 degree C and altitude of operation in minimum 5000 meter from the updated version of UL report for power adapter which were certified by UL 62368-1, 2nd edition, 2014-12-01 (provided from customer). (2) Please verify the Manufacturer has a method to manage distribution of all products with Canadian certification mark not intended include the dual markings. (3) Product (marked with the UL Mark) that ships unit(s) outside of the USA and/or Canada with non-UL certified parts should meet of the following: The manufacturer is to supply the UL Field Representative with sufficient documentation and/or information that allows the Representative to verify that the products are intended to be sold outside of the U.S.A. or Canada and the adapter is appropriately certified for use in the destination country.		
Production-Line Testing Requirements		
<u>Electric Strength Test Special Constructions - Refer to Generic Inspection Instructions, Part AC for further information.</u>		

Model	Component	Removable Parts	Test probe location	V rms	V dc	Test Time, s
N/A	--	--	--	--	--	--
<u>Earthing Continuity Test Exemptions - This test is not required for the following models:</u>						
N/A						
<u>Electric Strength Test Exemptions - This test is not required for the following models:</u>						
N/A						
<u>Electric Strength Test Component Exemptions - The following solid-state components may be disconnected from the remainder of the circuitry during the performance of this test:</u>						
N/A						
<u>Sample and Test Specifics for Follow-Up Tests at UL</u>						
Model	Component	Material	Test	Sample(s)	Test Specifics	
N/A	--	--	--	--	--	

4.1.2	TABLE: list of critical components					Pass
Object/part or Description	Manufacturer/ trademark	type/model	technical data	Product Category CCN(s)	Required Marks of Conformity	Supplement ID
01. Connectors and Receptacles (Secondary ES1 circuits, for filling fire enclosure opening)	Various	Various	Metal/Plastic Copper alloy pins housed in bodies of plastic rated V-1 min.	QMFZ2	UL	
01a. Connectors and Receptacles (Secondary ES1 circuits, not for filling fire enclosure opening) (Alternate)	Various	Various	Metal/Plastic Copper alloy pins housed in bodies of plastic rated V-2 min.	QMFZ2	UL	
01b. Connectors and Receptacles (ES1 circuits) (Alternate)	Various	Various	--	ECBT2 or DUXR2	UL	
02. Interconnecting Cable (Optional)	Various	Various	Min. 60 degree C, 30V min., max 3.05 m long, jacketed, rated VW-1 or FT-1 or better.	DVPJ or AVLV2		
02a. Interconnecting Cable (Optional) (Alternate)	Various	Various	Maximum 3.05 m long, jacketed, type CMP, CMR, CMG, CM, CMX, CMUC, CMH. or rated FT4	DUZX, DVPJ, DUZX, DUXR	UL	
02b. Interconnecting Cable (Optional) (Alternate)	Various	Various	--	DUXR	UL	
03. Label	Various	Various	Min. 60 degree C, if maximum surface temperature not specified.	PGDQ2 or PGJI2	UL	

03a. Label (Alternate)	--	--	Molded as part of enclosure, Hot stamping, laser etching or silk screened.	--	--	
04. Internal Wiring (ES1 circuits)	Various	Various	Marked VW-1 or FT-1; min. 30V, 60 degree C min.	AVLV2	UL	
05. Internal Plastic Part Materials	Various	Various	Min. V-2. or min. HF-2 or min. VTM-2.	QMFZ2	UL	
05a. Internal Plastic Parts Material (Optional) (Alternate)	Various	Various	Min. HBF or HB, when plastic parts are separated from electrical parts by at least 13mm of air or by a solid barrier of V-0 class material.	QMFZ2	UL	
05b. Internal Plastic Parts Material (Optional) (Alternate)	Various	Various	Flammability level is ignored, when small parts (4g or 1750mm ³ max.) are mounted on V-1 class material.	--	--	
05c. Internal Plastic Parts Material (Optional) (Alternate)	Various	Various	Flammability level is ignored, when small parts (4g or 1750mm ³ max.) are separated from electrical parts (other than insulated wires and cables) by at least 13 mm of air or by a solid barrier of V-0 class material.	--	--	
06. Flexible Printed Wiring	Various	Various	Rated V-2 minimum or VTM-2 minimum, when no components mounted on surface; If components mounted on surface, it should be minimum V-1	ZPXK2, ZPMV2	UL	

			or VTM-1.			
06a. Plastic Material of Flexible Printed Wiring (Alternate)	Various	Various	Rated V-2 minimum or VTM-2 minimum, when no components mounted on surface.	QMFZ2, QMTS2	UL	
07. Keycaps, plungers and housing, keyboard assembly	Various	Various	Min. flame HB	QMFZ2	UL	
08. Power supply cord (Optional)	Various	Various	Detachable, maximum 4.5 m long, minimum 1.5 m long. Type SVT or SJT or SPT-2 or NISP-2, no. 18 AWG minimum. One end terminates in NEMA 5-15P or NEMA 6-15P for Class I or one end terminates in NEMA 1-15P or NEMA 2-15P for Class II, the other end with an appliance coupler.	ELBZ	UL	
08a. Power supply cord (Optional) (Alternate)	Various	Various	Detachable, maximum 4.5 m long, minimum 0.5 m long. Type SVT or SPT-2, no. 18 AWG minimum. One end terminates in NEMA 5-15P or NEMA 6-15P for Class I or one end terminates in NEMA 1-15P or NEMA 2-15P for Class II, the other end with an appliance coupler. (Total length of the conductive path from the receptacle to the equipment is 1.5 m	ELBZ	UL	

			or greater)			
09. Adapter	Various	Various	O/P: 20Vdc, 3.25A. Tma: min. 35 degree C. Output Cord 1.0m min. Altitude 5000m min.	QQGQ, QQJQ	UL	
10. Enclosure material	--	--	See below and Illustration-01 for details.	--	--	
10-01. Enclosure for LCD cover	--	--	Aluminium alloy, thickness 0.8mm min.	--	UL	
10-02. Enclosure for LCD bezel	COVESTRO DEUTSCHLAND AG [PC RESINS]	FR3040 + (+ Material designations may be followed by a six digit numerical code denoting color.)	V-1 min., thickness 0.75 mm min., 80 degree C	QMFZ2	UL	
10-03. Enclosure for top side around keyboard	--	--	Aluminum, thickness 0.8 mm min.	--	--	
10-04. Enclosure for bottom case	Various	Various	Aluminum, thickness 0.6 mm min.	--	--	
10-05. Decorative Part or rubber	Various	Various	Min. HB, located outside of enclosure. See Illustration-02 for details.	QMFZ2	UL	
10-05a. Decorative Part or rubber stand	Various	Various	Flammability level is ignored, when small parts (4g max. or 1750mm^3max.) located outside of enclosure.	--	--	
11. LCD Panel	Various	Various	14.0 inch, TFT Type (with LED backlight)	NWGQ2, AZOT2	UL	
11a. LCD Panel (Alternate)	Various	Various	14.0 inch TFT Type (LED backlight), all	--	--	

			plastic materials have flame class V-2 minimum. Luminance of the source does not exceed 10^4 cd/m ²			
11b. LCD Panel (Alternate)	Various	Various	14.0 inch TFT Type (LED backlight), provide with metal chassis or plastic cover rated V-1 min. Luminance of the source does not exceed 10^4 cd/m ²	--	--	
12. DC Fan	FORCECON TECH CO LTD	DF(X)5K122141 61(Y), where (X) may be S, B or C; (Y) may be = " ", " - " , 0~9 , A~Z.	5Vdc, 0.5A, 2.52 CFM min.	GPWV2	UL	
13. Battery pack	SIMPLO TECHNOLOGY CO LTD	C41N1904	15.48Vdc, 4347mAh / 4220mAh or 67Wh	NWQQ2, AZOT2, BBFS2	UL	
14. Motherboard	Various	UX325/425JA MAIN BOARD	See below	--	--	
14-01. Heat sink (Thermal module)	--	--	Copper and aluminum. See Illustration-03 for details.	--	--	
14-02. Power Distribution Switch (U1) for HDMI port use	DIODES INC	AP2331 f/b SA, FJ, W, TDSA, or TDW, may be followed by additional letters and/or numbers	2.7-5.2Vdc, Cont. Current: 0.2A, Prot. Current: 0.5A.	QVGS2	UL	

14-02a. Power Distribution Switch (U1) for HDMI port use (Alternate)	ANPEC ELECTRONICS CORP	APL3517/A/B, APL3517C/A/B Series followed by A or B; followed by I; followed by -; followed by TR; followed by G	2.7 to 5.25Vdc, Cont. Current: 0.1A, Prot. Current: 0.5A.	QVGS2	UL	
14-03. Power Distribution Switch (UT5) for USB Type-C port use	WILL SEMICONDUCTOR	WS4683C (May be followed by "-16/TR", means 16 pins, not safety related)	Input Voltage Range: 4.0Vdc to 5.5Vdc Current Limit Rating: 0.33-0.465A (For RILIM=140K Ω); 3.10-3.531A (For RILIM=16K Ω)	NWGQ2/AZOT2	UL	
14-03a. Power Distribution Switch (UT5) for USB Type-C port use (Alternate)	NXP SEMICONDUCTOR TAIWAN LTD	NX5P3290UK, NX5P3290UK/S9 00	Input Voltage Range: 4.0Vdc to 5.5Vdc Current Limit Rating: 3.3 A	AZOT2	UL	
15. I/O Board	Various	UX325/425JA DB BOARD	See below	--	--	
15-01. Power Distribution Switch (UU1) for USB port use	ANPEC ELECTRONICS CORP	APL3552 Series, followed by A or B, followed by C, B, or QB, followed by I, followed by -, followed by TR, followed by G	2.7 to 5.5 Vdc, Cont. Current: 0.1 - 1.3 A, Prot. Current: 0.2 - 2.5 A.	QVGS2	UL	

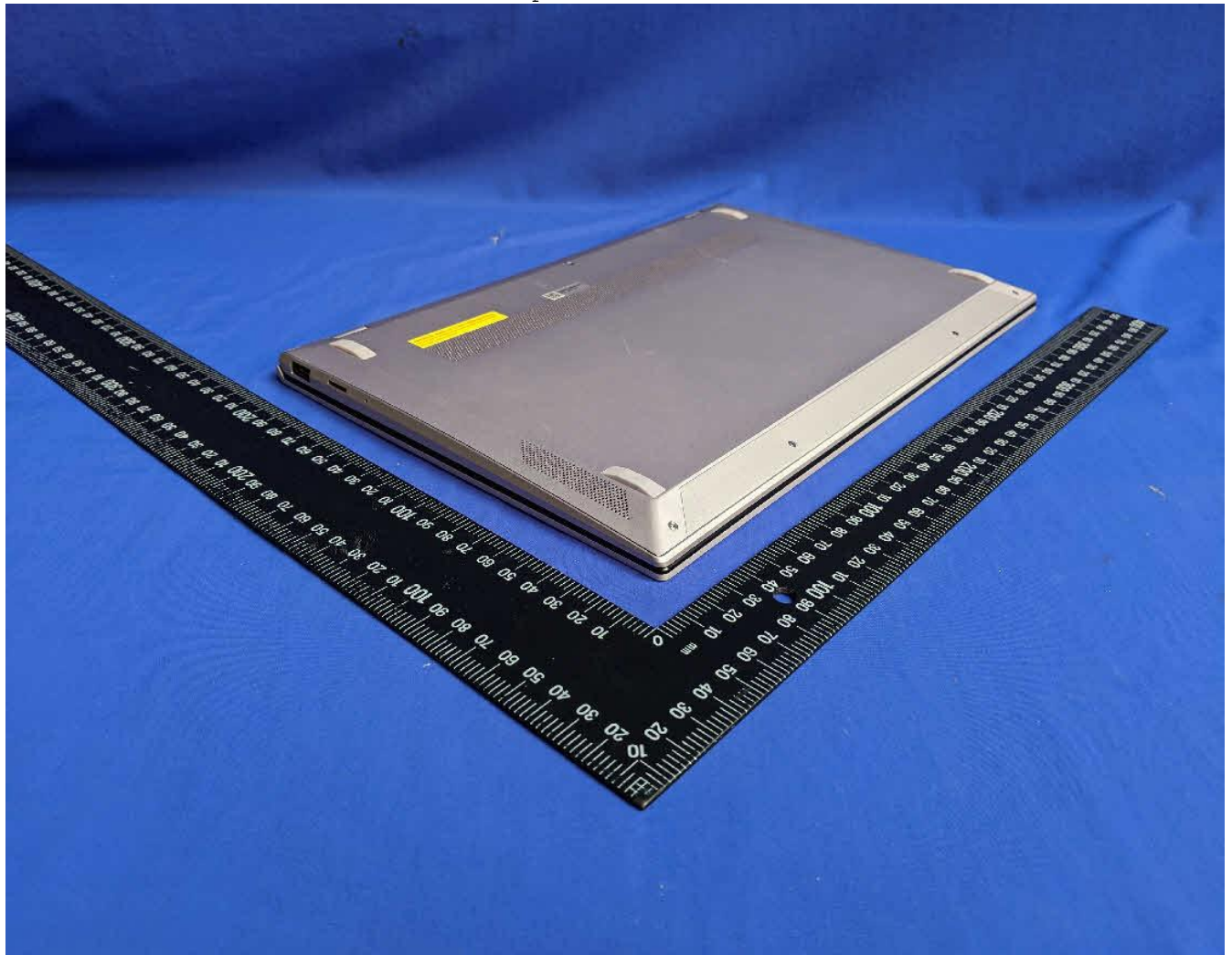
15-01a. Power Distribution Switch (UU1) for USB port use (Alternate)	GLOBAL MIXED-MODE TECHNOLOGY INC	G517AL; followed by 1 or 2; followed by TP, TB, RB or U5; followed by 1, 2, or 3; followed by U or D	2.7 - 5.5Vdc, Cont. Current: 0.1 to 2.15A, Prot. Current: 0.2 to 2.75A.	QVGS2	UL	
16. All PWBs except for touch pad	Various	Various	V-1 min. 105 degree C min.	ZPMV2	UL	
17. PWB for touch pad	Various	Various	V-0 min. 105 degree C min.	ZPMV2	UL	
18. Mylar for keyboard opening	NAN YA PLASTICS CORP POLYESTER FIBER DIV	AH(a)(b)V (a) - May be replaced by 1 or 2, and no formula change was related. (b) - May be replaced by 1 or 2, and no formula change was related.	VTM-0 min., thickness 0.025 mm min., 105 degree C, see Illustration-04 for details.	QMFZ2	UL	
19. IR LED module	Solidlite Corporation	AK2720B-YRR-500mA	2.6-3.4 Vdc, 1000 mA; Peak wavelength = 860 nm; Total radiant flux = 600 mW, Comply IEC 62471 exempt group	--	--	

ENCLOSURES

<u>Type</u>	<u>Supplement Id</u>	<u>Description</u>
Photographs	Figure-01	Overall view - 1
	Figure-02	Overall view - 2
	Figure-03	Top view
	Figure-04	Bottom view
	Figure-05	Side view - 1
	Figure-06	Side view - 2
	Figure-07	Side view - 3
	Figure-08	Side view - 4
	Figure-09	Open view
	Figure-10	Internal view 1
	Figure-11	Internal view – 2 mother board
	Figure-12	Internal view - 3 mother board
	Figure-13	Internal view - 4 IO board
	Figure-14	Internal view - 5 IO board
Illustrations	Illustration-01	Mechanical drawing – overall and openings
	Illustration-02	Heatsink dimension
	Illustration-03	Mylar drawing for Keyboard
Manuals	Illustration-04	Instruction/Installation/Safety



N202085039



N202085040



N202085041



N202085042



N202085043



N202085044



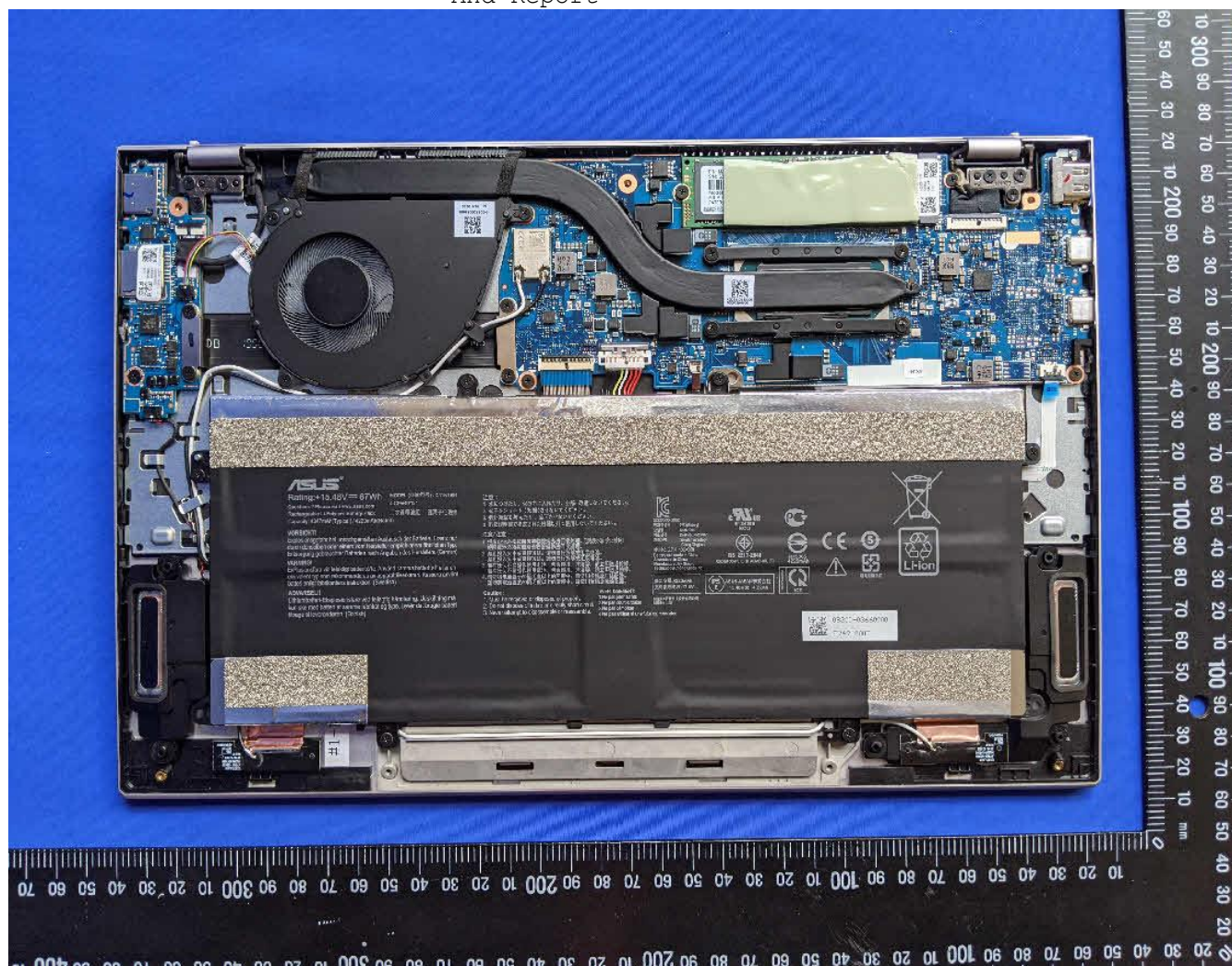
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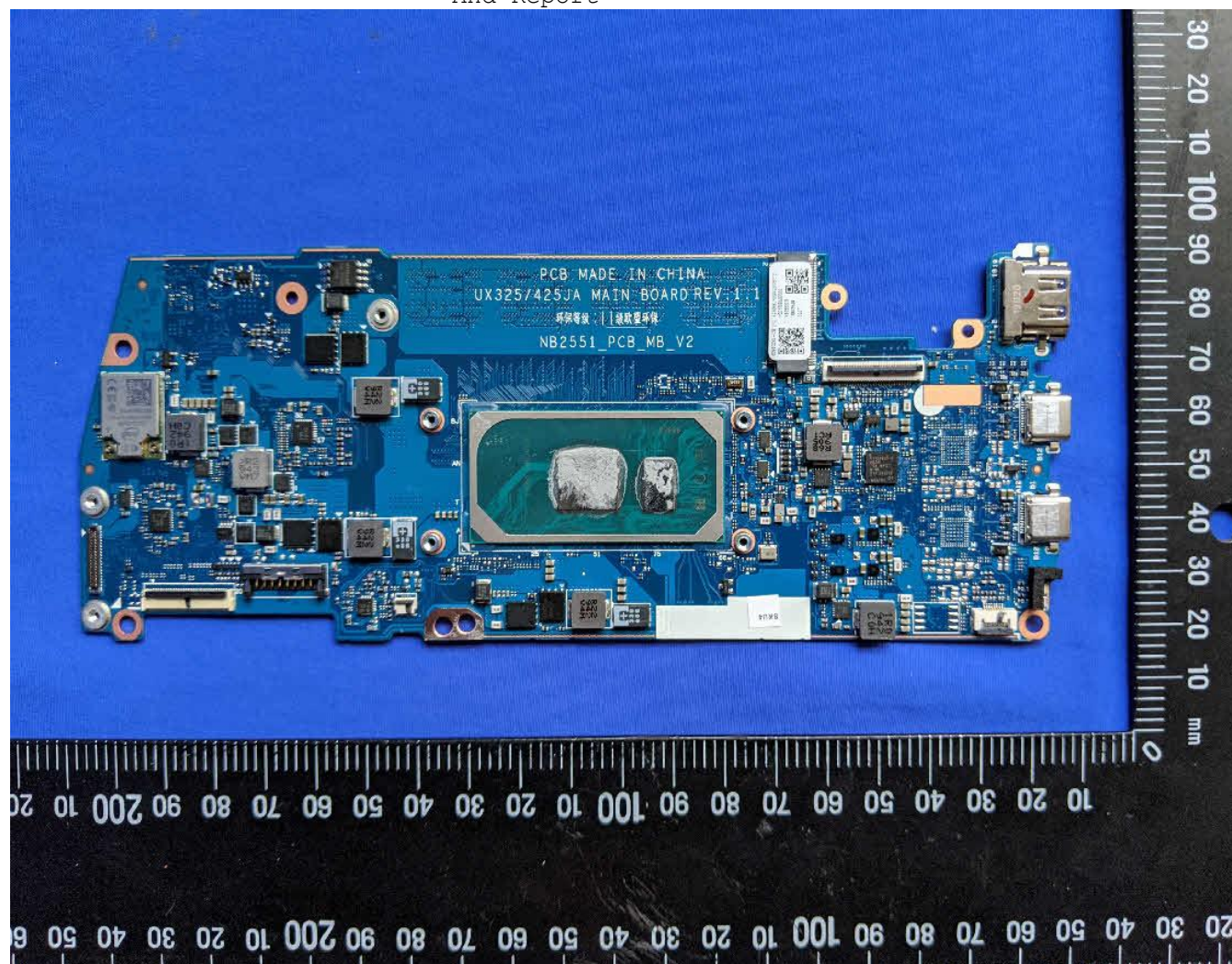
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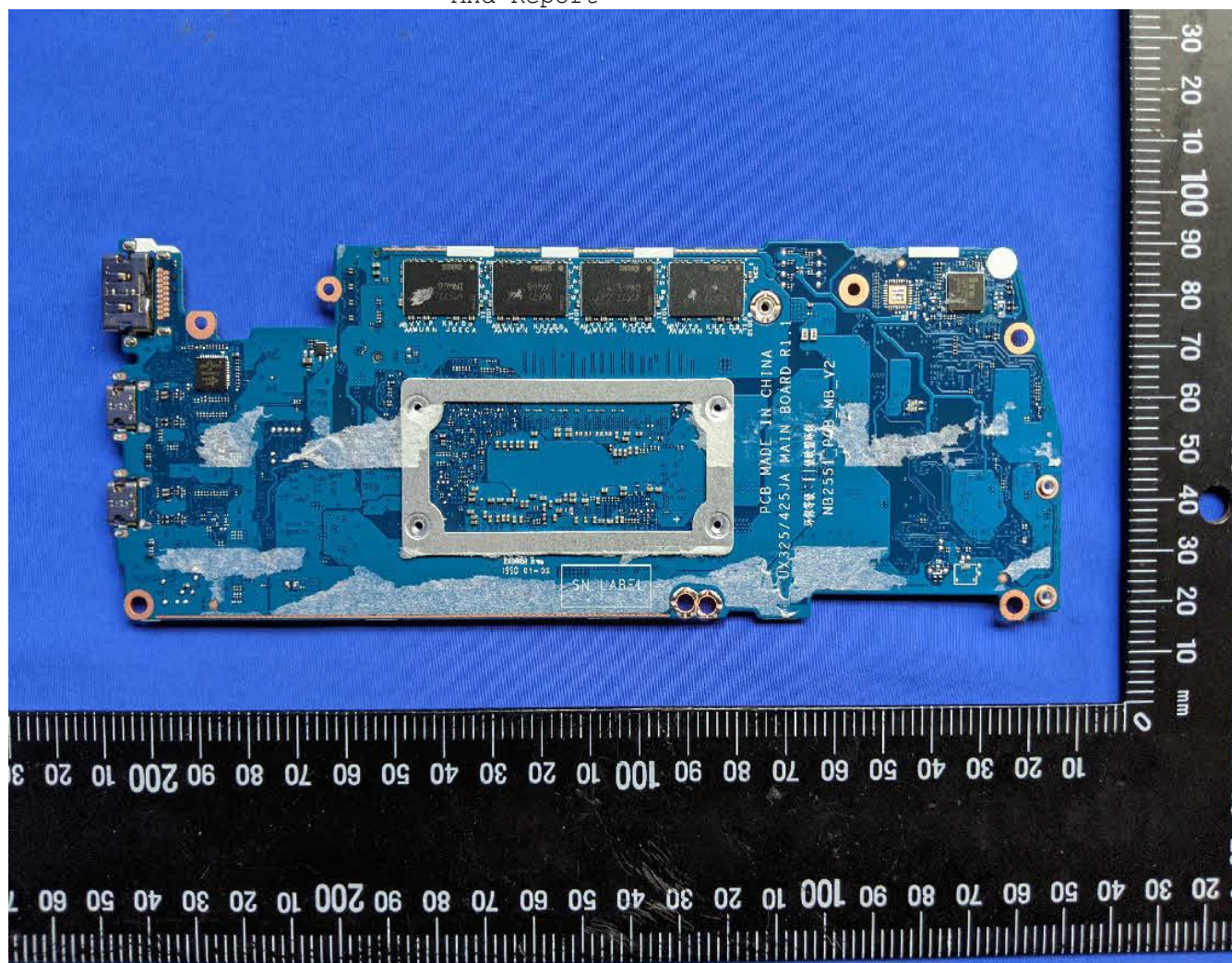
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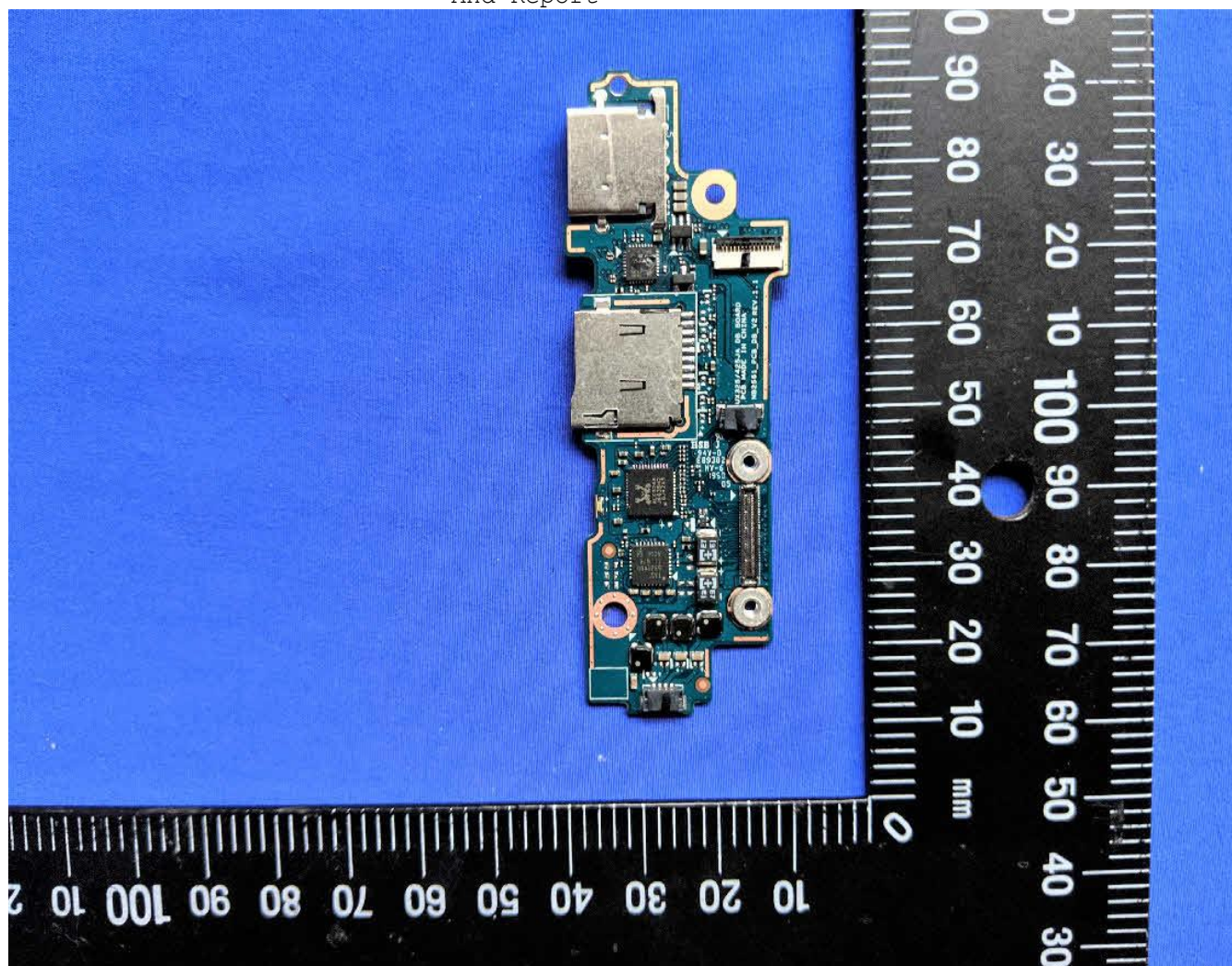
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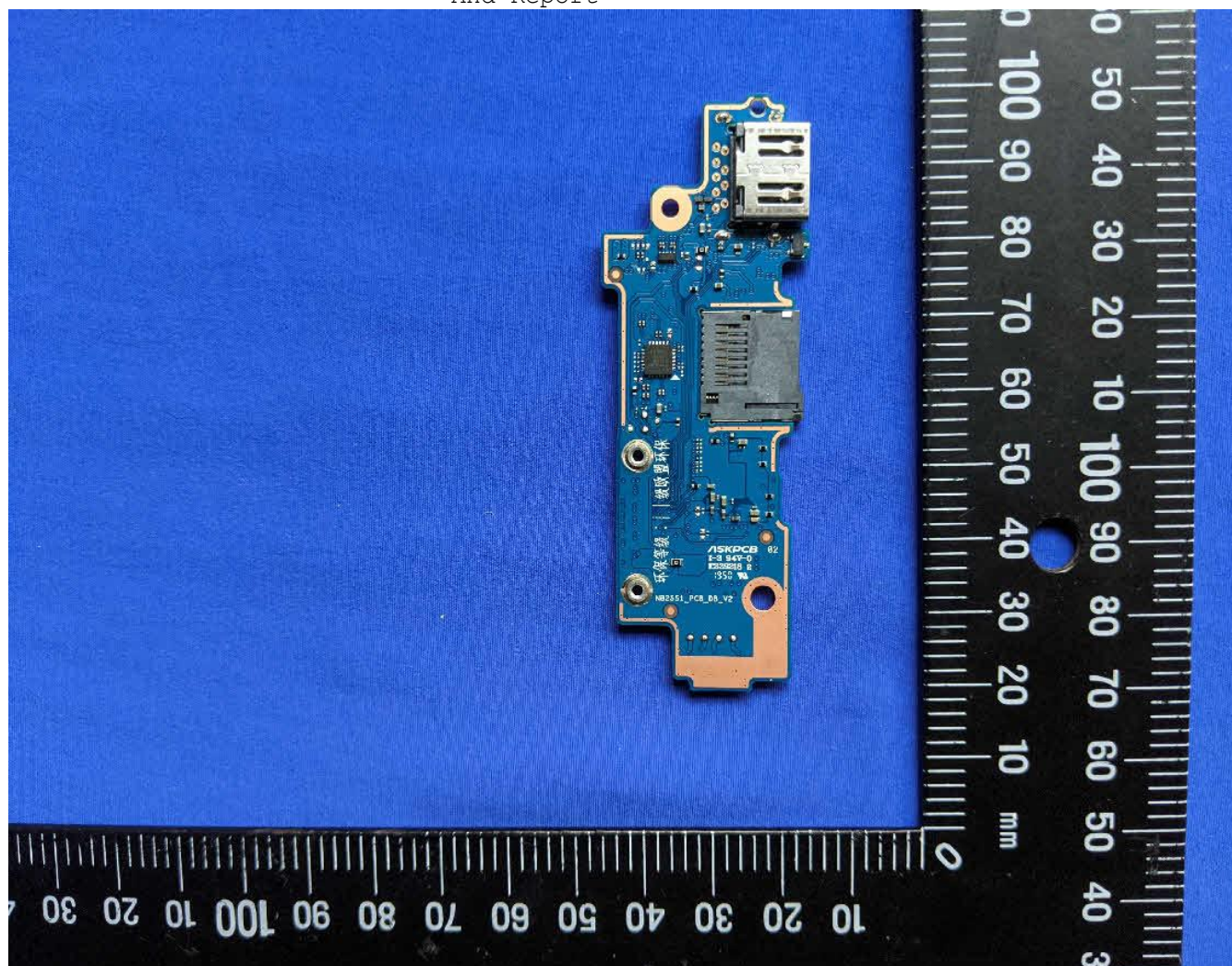
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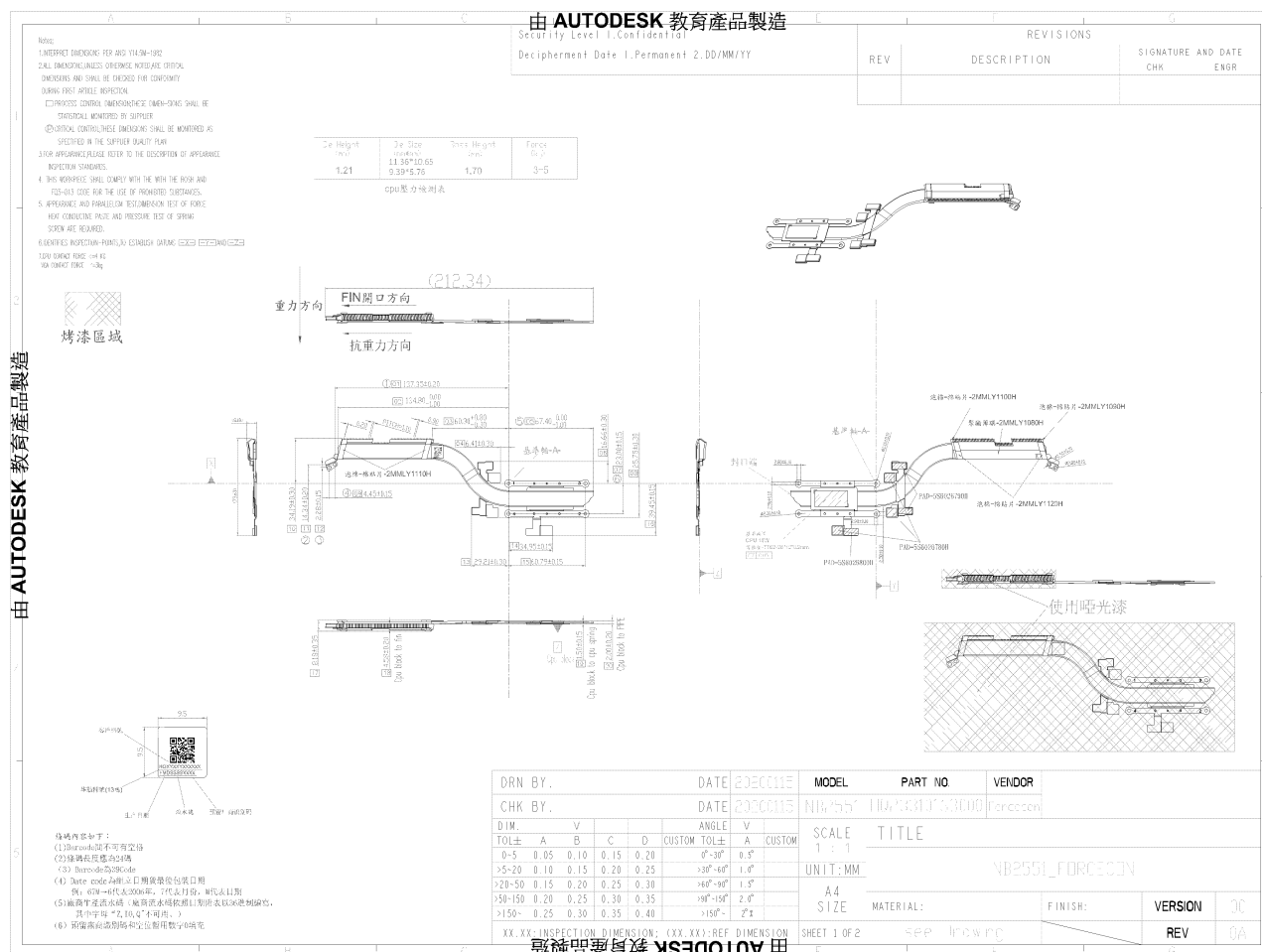
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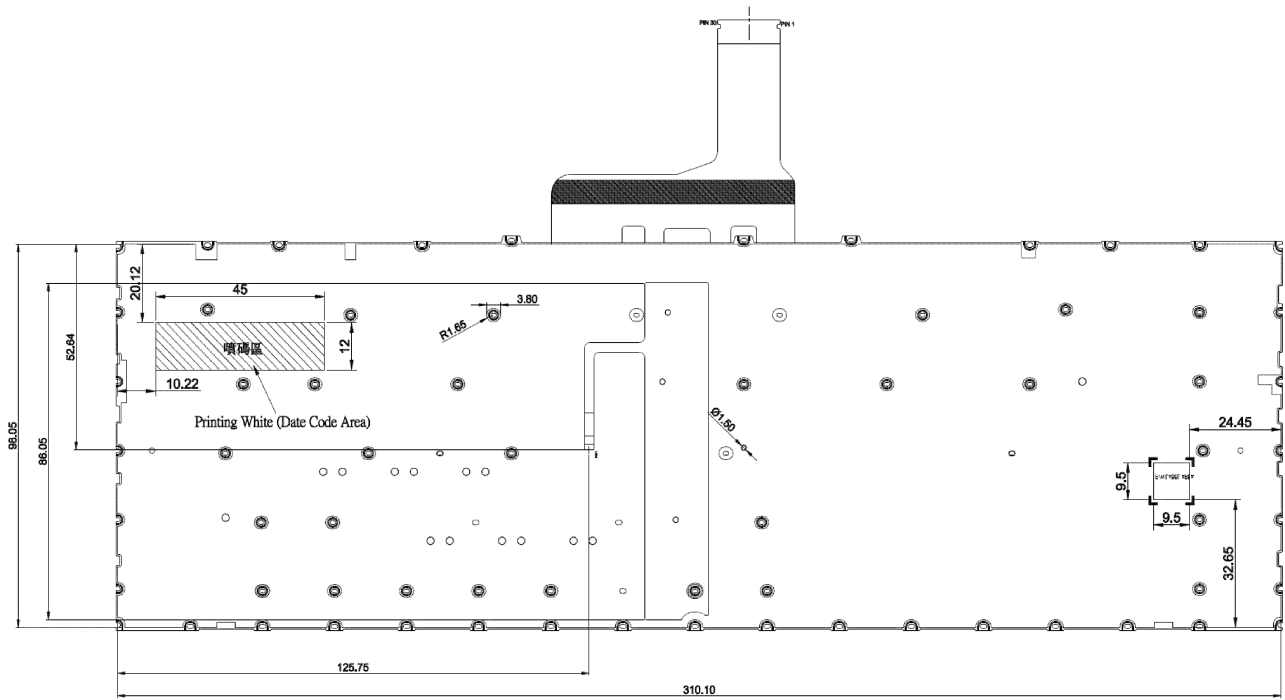
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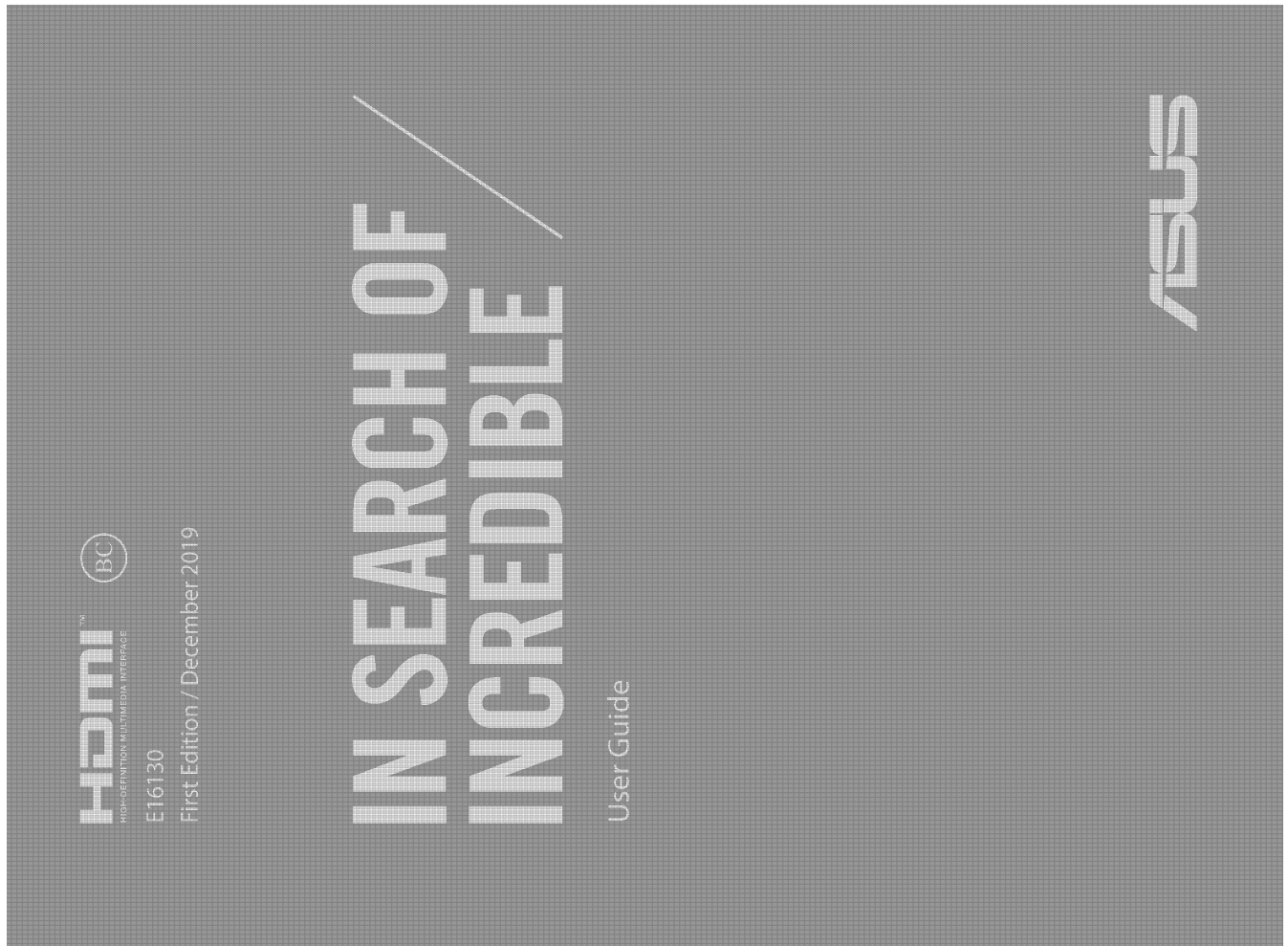
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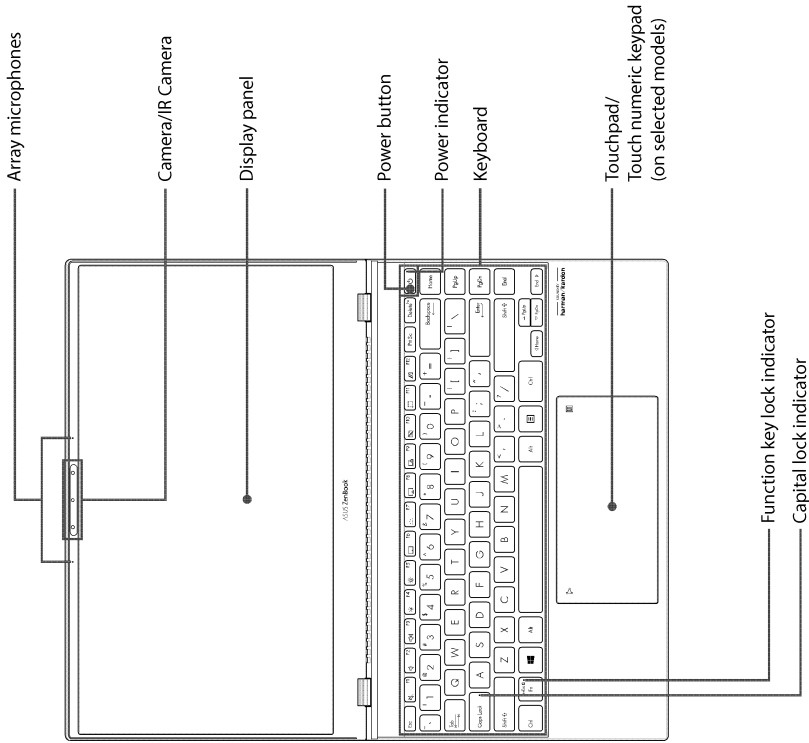


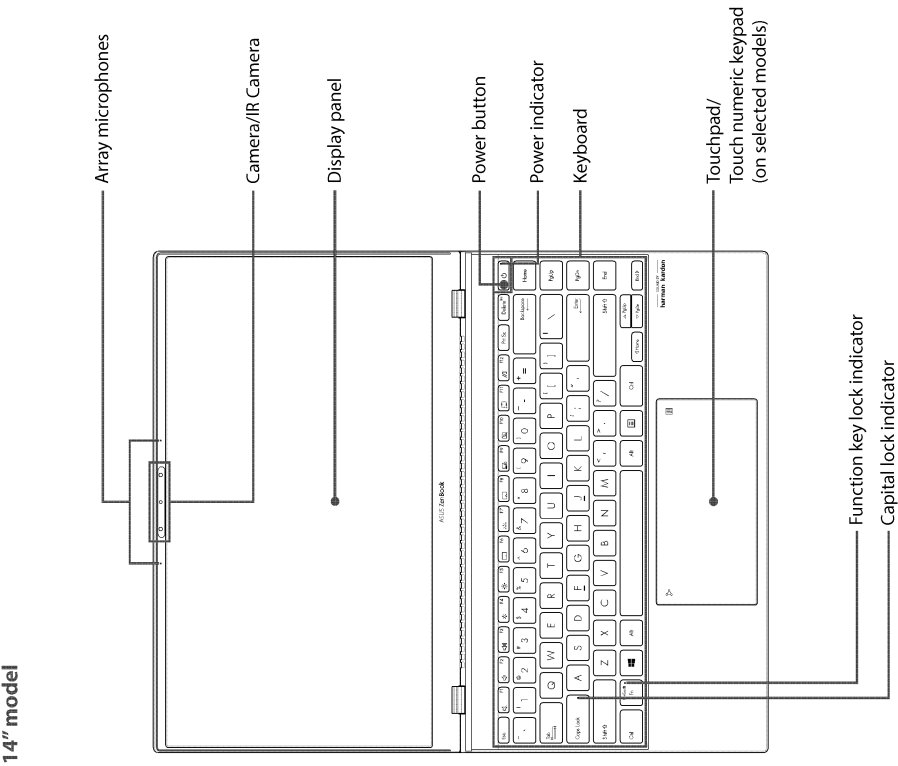
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Top View

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

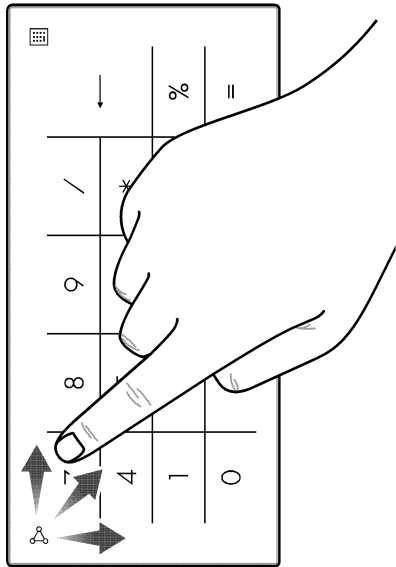
13" model





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Using the numeric keypad (on selected models)



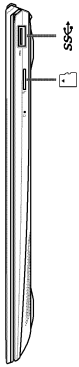
- Press and hold  for a second to toggle between number keys or touchpad.
- Tap  to adjust brightness for the numeric keypad.
- Press and hold  then slide anywhere on the numeric keypad to launch Windows Calculator.

NOTE: To use the % and = function, set the input language to English.

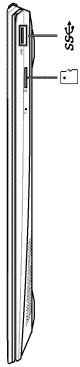
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I/O ports and slots

13" model



14" model



- MicroSD card slot
- USB 3.2 Gen 1 port

- HDMI
- HDMI port
- USB 3.2 Gen 2 Type-C®/Thunderbolt 3/Power (DC) input combo port

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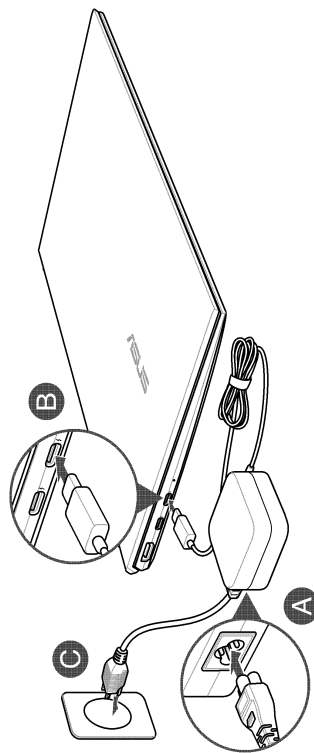
Getting started

1. Charge your Notebook PC

- A. Connect the AC power cord to the AC/DC adapter.
- B. Connect the DC power connector into your Notebook PC's power (DC) input port.
- C. 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.



2. Lift to open the display panel

3. Press the power button

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



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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 a grounded power adapter before turning it on for the first time.
- 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:
 - Input voltage: 100-240Vac
 - Input frequency: 50-60Hz
 - Rating output current: 3.25A (65W)
 - Rating output voltage: 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.

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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.

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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.

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Service and Support

For complete E-Manual version, refer to our multi-language website at:

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

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FCC Radio Frequency (RF) Exposure Caution Statement

WARNING! Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. To maintain compliance with FCC 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.

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, 0.75mm² or H05VV-F, 2G, 0.75mm².

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

EU RoHS

This product complies with the EU RoHS Directive. For more details, see <http://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 <http://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.

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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 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. Further information could be found at <https://csr.asus.com/english/article.aspx?id=1555>.

EPEAT Registered Products

The public disclosure of key environmental information for ASUS EPEAT (Electronic Product Environmental Assessment Tool) registered products is available at <https://csr.asus.com/english/article.aspx?id=41>. More information about EPEAT program and purchase guidance can be found at www.epeat.net.

Regional notice for Singapore

Complies with
IMDA Standards
DB103778

This ASUS product complies with IMDA Standards.

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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	UK	HR		



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.

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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 :	ZenBook
Model Number :	UX325J, U3700J, RX325J, BX325J
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. 180125	

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 :	ZenBook
Model Number :	UX425J, U4700J, RX425J, BX425J
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. 180125	

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RED RF Output table

N202085057

N202085057



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TEST RECORD NO. 1

SAMPLES:

The manufacturer submitted representative production samples of Notebook PC, Models UX425xxxxxxxxxxxxxxxxxx, BX425xxxxxxxxxxxxxxxxxx, RX425xxxxxxxxxxxxxxxxxx, U4700xxxxxxxxxxxxxxxxxx (x = A-Z, a-z, - or blank; y = 0-9, A-Z, a-z, - or blank, for marketing purpose and no impact safety related construction and critical components)

GENERAL:

Unless otherwise noted, all clauses and tests were not considered necessary based upon previous evaluation under the CB scheme. The CB Scheme Test Certificate Ref. No. DK-94302-UL dated 2020-03-12, and Report Ref. No. ASL20010378, dated 2020-03-11 was prepared by UL International Demko A/S.

The Construction Review Datasheets were not considered necessary, since the construction review had completed during the CB certification. Also, the sample was reviewed at the client side during the investigation of witness trip.

Test results relate only to the items tested.

The following tests were waived:

Test	Rationale for Waiving
Temperature Tests (5.4.1.4, 6.3, B.2, B.2.6, 9.0)	Refer to CB
Power Measurements (6.2.2.2, 6.2.2.3)	Refer to CB
Input Test: Single Phase (B.2.5)	Refer to CB
Simulated Abnormal Operating Conditions (B.3)	Refer to CB
Simulated Single Fault Conditions (B.4)	Refer to CB
Marking Test (F.3.10)	Refer to CB
Protection Circuits For Battery (M.3.2)	Refer to CB
Secondary Lithium Battery Charging Safeguards (M.4.2)	Refer to CB
Drop Test of Equipment Containing a Secondary Lithium Battery (M.4.4)	Refer to CB
Limited Power Source (Q.1)	Refer to CB
Steady Force Test, 100N (T.4)	Refer to CB
Drop Test (T.7)	Refer to CB

The following supplements are provided as a part of this Test Record. NOTE: These supplements are only available to the Applicant via the CDA system.

Type	Supplement Id	Description

Test Record Summary:

The result of this investigation, indicate that the products evaluated comply with the applicable requirements in the U.S. and Canadian (Bi-National) Standard for Safety of Audio/video, information and communication technology equipment - Part 1: Safety requirements CAN/CSA-C22.2 No.62368-1 2nd Edition, issued Date December, 2014, UL 62368-1 Audio/video, information and communication technology equipment - Part 1: Safety requirements, 2nd edition date December 1st, 2014, therefore, such products are judged eligible to bear UL's Mark as described on the Conclusion Page of this Report. Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL.

CONCLUSION

Samples of the product covered by this Report have been found to comply with the requirements covering the category and the product is found to comply with UL's applicable requirements. The description and test result in this Report are only applicable to the sample(s) investigated by UL and does not signify UL certification or that the product(s) described are covered under UL's Follow-Up Service Program. When covered under UL's Follow-Up Service Program, the manufacturer is authorized to use the Certification Mark of UL on such products which comply with UL's Follow-Up Service Procedure and any other applicable requirements of UL LLC. The Certification Mark of UL on the product, or the UL symbol on the product and the Certification Mark of UL on the smallest unit container in which the product is packaged, is the only method to identify products investigated by UL to published requirements and manufactured under UL's Listing and Follow-Up Service.

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Reviewed by:

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