Centerm Chromebook M621

User Manual
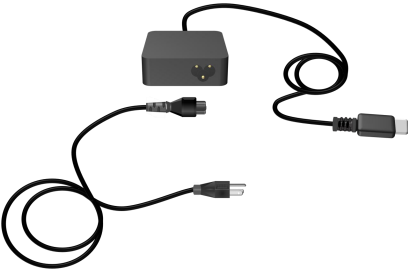
Contents

1. Getting to know your Chromebook

Package contents

Carefully unpack your box and take out the items listed as below. If any of the items is missing or damaged, contact your dealer immediately:

• One Chromebook	• One AC adapter
• This manual	

Layout

Front
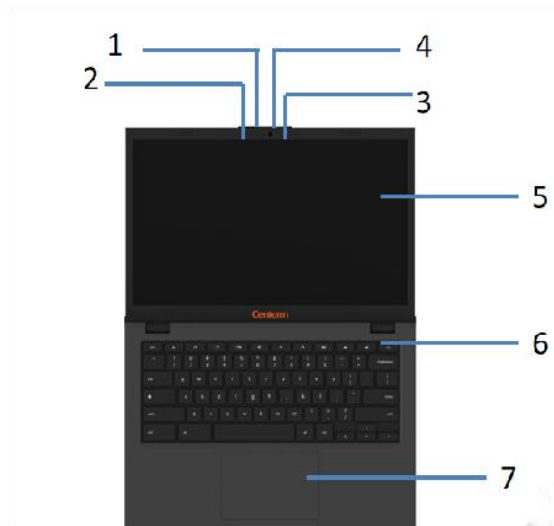
No.	Name	Function
1	Web camera	Often for taking self-portraits as well as for video conferencing.
2	Camera Status Indicators	LED lights to show the camera status.
3	Microphone	Mainly for sound and speech recording
4	Front Camera Cover Slider	Slide with your finger to open & close the cover to control when to be seen or not.
5	Screen or Touch-screen (optional)	The main display of your Chromebook.
6	Power button	Press it to power on/off your Chromebook.
7	Touchpad	Allows you to control your system using figure gestures

Left

No.	Name	Function
1	USB 3.2 Gen1 Type-A	Plug your USB devices here.
2	Type-C USB port (USB 3.2 Gen1)	Plug your USB Type-C supported devices here.
3	Micro SD Card Reader	Insert your Micro SD card here.

Right
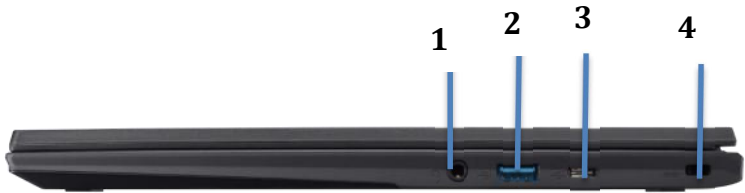
No.	Name	Function
1	Combo Audio jack	Plug your 3.5mm headphone here
2	USB 3.2 Gen1	Plug your USB devices here.
3	Kensington lock slot	Lock your Chromebook to your desk or any stationary object using a Kensington lock.
4	Type-C USB port (USB 3.2 Gen1)	Plug your USB Type-C supported devices here.

Back

1 ——————————   —————————— 1
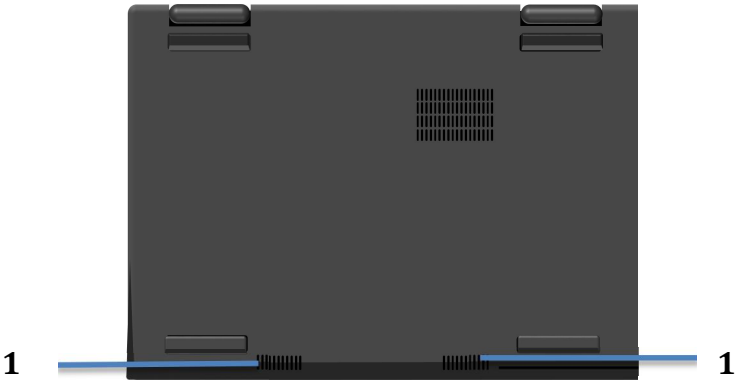
No.	Name	Function
1	Speaker	The sound system has two speakers for playing music, notification sounds, and other audio data.

Function keys

	Go to the previous page.		Increases the display brightness.
	Refresh your current page.		Mutes/unmutes the audio output.
	Open the page in full-screen mode.		Decreases the volume level.
	Show all your open windows.		Increases the volume level.
	Take a screenshot		Turns the Chromebook on and off.
	Decreases the display brightness.		The Launcher key to search, show your apps, and interact with Google Assistant.

2. Using your Chromebook

Powering ON/OFF

Powering on your Chromebook

1. If this is the first time you turn this Chromebook on, connect the USB-C adapter and fully charge the battery.

2. Press the power button (normally 1 to 2 seconds) until you see the power indicator lights up in blue.

Powering on for the first time

The Chromebook will require you to do the initial setup, which including:

- Sign in to or create your Google Account
- Setup a wireless connection and more

Please follow the instruction to complete the initial setup.

Powering off your Chromebook

Save all your data before powering your Chromebook off.

To power off your system, following the steps below:

1. Click the **Status** area.

2. In the menu, click the **Power** icon, or click Sign out > Shut down

Tips:Due to frequent updates of ChromeOS, the operation steps are for reference only.

Putting your Chromebook into sleep mode

When you will be away from your Chromebook for a short time, you can put it to sleep by closing the display panel.
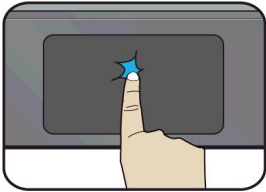
Waking up your Chromebook

To wake up your Chromebook, just open the lid, then press any key or swipe the touchpad.
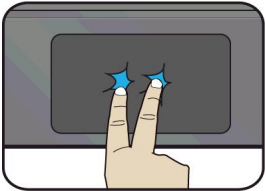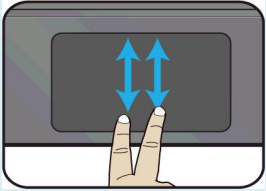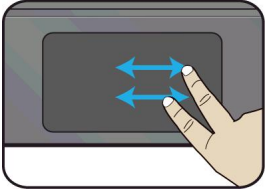
Basic touchpad operations

The touchpad works like a traditional mouse. With it, you can move the cursor and perform left-click, right-click, double-click actions. However, the actual available actions are application dependent.
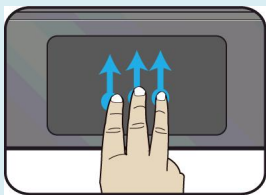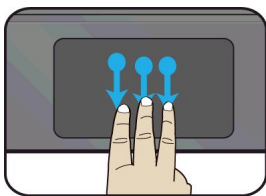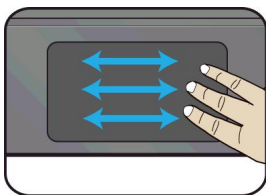
One finger

Action	Explanation
	Tap once on the touchpad surface or press once on the lower half of the touchpad. To get the effect just like left clicking a mouse.

Two fingers

Action	Explanation
	Tap once on the touchpad surface to get the effect just like right clicking a mouse or
	Drag two fingers vertically the touchpad to scroll vertically.
	Drag two fingers horizontally on the touchpad to scroll horizontally.

Three fingers

Action	Explanation
	Press and drag upward with three fingers to bring existing active windows out on the desktop.
	Press and drag downward with three fingers to hide all existing active windows and bring out the desktop.
	Press and drag to left or right with three fingers to switch between existing active windows.

Updating ChromeOS

Automatic update

Each time you turn on your Chromebook, it automatically checks for updates. When an update is available, this update icon will appear as a notification in the status area.

Charging your battery

1. Plug the USB-C end of the adapter into a USB-C port on the right side or left side of your Chromebook
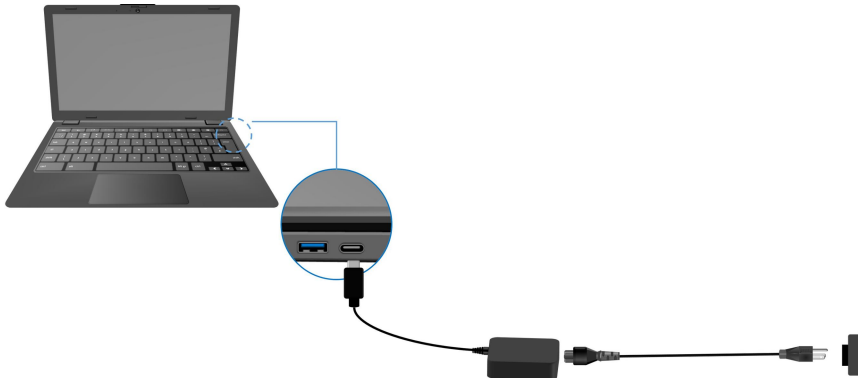
2. Plug the adapter into a wall-socket.
3. Battery indicator is red when battery is charging.
4. When the battery is fully charged, the indicator stays solid blue.

While system is off, it takes around 2.5 ~ 3 hours to fully charge the battery. After fully charged, the battery Life reaches 10 hours

Note: If the remaining power in your battery capacity is 90% or above, plugging the adapter will not fully charge your battery.

3. Chromebook Help and Troubleshooting

Settings for Sleep mode

To save battery power while your Chromebook is on, you can put it to sleep by closing the lid. Or set it up in the system.

Troubleshooting

This section describes some common problems and suggested solutions, and ways to recover your Chromebook from a crash.

Be aware that the problems and solutions described here are meant only as a guide. They are not definitive problem solving techniques. For certain problems, you might need help from your reseller or your service provider.

When you observe a problem, stop operation immediately, because taking further action might result in data loss or damage. Take a note of what the system is doing and what actions you performed before the problem occurred. Provide detailed information to your service provider for quicker problem resolution.

For about any problem, follow these steps:

1. Restart your Chromebook.
2. Check your Wi-Fi connection.
3. Reset your Wi-Fi connection.

4. Plug your Chromebook to a wall socket to charge it for at least one hour.

Chromebook Help is installed on your Chromebook and doesn't require internet access. It covers basic troubleshooting as well as more detailed information about ChromeOS and using your Chromebook.

To access Chromebook Help, do the following:

1. Press the **Search** key on your keyboard or select the **Launcher** icon.

2. Click to select All Apps (or type "Explore").

3. Select the **Explore** icon.

Note: Some sections in Chromebook Help have web links, which require you to have internet access to view the additional

Questions	Answers
What software works on a Chromebook?	Chromebooks use apps from the Google Play Store and on the web, instead of traditional software applications. There are apps to be productive, get creative, enjoy movies and shows, and play games and more.
How do I get more Apps?	You can get more apps from the Google Play Store or the web.

Can I use Microsoft Office software?	Chromebooks work with Microsoft® Word, Excel® and PowerPoint®. You can download the apps from the Google Play Store or use them on the web. *Additional functionality available with a Microsoft 365 subscription. Microsoft, Excel and PowerPoint are registered trademarks of Microsoft Corporation
Where can I find my files	All your files are stored in the Files app. Find the app by clicking the Launcher icon and searching "**Files**".
How do I transfer my local files?	Transfer your local files using a compatible storage device. Your Chromebook works with most external storage devices (e.g: USB thumb drives, removable hard drives). You can also upload your files, photos, and videos to Google Drive. After setting up your Chromebook with your Google Account, you'll be able to access your files on Drive.
Why does my Chromebook need my Google Account information?	You'll use your Google Account to sign in to your Chromebook. It is the same account you use for Google services such as Gmail and Drive. Your Chromebook uses your account information to automatically sign you into apps and services.
Chromebook Help	Open the **Explore** app on your Chromebook.
ChromeOS	https://support.google.com/chromebookmore.

4. Regulatory Compliance Information

FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE 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.

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.

CAUTION

ANY CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE GRANTEE OF THIS DEVICE COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

For questions related to the EMC performance of this product, contact:

Fujian Centerm Information Co.,Ltd

20/ Block A Star-net Science Plaza, #33 Xingang Road，

High-Tech District, Fuzhou, Fujian, China

86-28053888

Canadian Department of Communications Compliance Statement

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.   This device complies with Industry 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.

Le présent appareil numerique német pas de bruits radio électriques dépassant les limites applicables aux appareils numériques de la classe B prescrites dans le Réglement sur le broullage radioélectrique édicté par le ministére des Communications du Canada. Le présent appareil est conforme aux CNR d'Industrie 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.

CE mark. Declaring compliance to all the applicable European Union (EU) directives. For CE mark related questions:

Fujian Centerm Information Co.,Ltd

20/ Block A Star-net Science Plaza, #33

Xingang Road，High-Tech District, Fuzhou,

Fujian, China   86-28053888

French SAR/DAS

Votre ordinateur a un DAS. Pour plus d'informations, voir le portail radiofréquences-sante-environnement: www.radiofrequences.gouv.fr

In the European Union, this symbol indicates that this product including battery must not be disposed of with household waste. It is your responsibility to hand it over to a designated collection point for the recycling of waste electrical and electronic equipment. For more information, please contact your local waste collection center

or the point of purchase of this product.

Japan VCCI Statement

この装置は、情報処理装置等電波障害自主規制協議会 (VCCI) の基準に基づくクラス 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。

Taiwan battery recycling:

Translation – please recycle batteries

廢電池請回收

RF Exposure warning

This device meets the government's requirements for exposure to radio waves. This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

The exposure standard employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. Tests for SAR are conducted using standard operating positions accepted by the FCC with the EUT transmitting at the specified power level in different channels.

The FCC has granted an Equipment Authorization for this device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this device is on file with the FCC and can be found under the Display Grant section of https://apps.fcc.gov/oetcf/eas/reports/GenericSearch.cfm after searching on FCC ID: RAS-MT7921

To ensure that RF exposure levels remain at or below the tested levels, use a belt-clip, holster, or similar accessory that maintains a minimum separation distance of 0 mm between your body and the device.

Radio Frequency (RF) Exposure Information

The radiated output power of the Wireless Device is below the Innovation, Science and Economic Development Canada (ISED) 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 been evaluated for and shown compliant with the ISED Specific Absorption Rate ("SAR") limits when operated in portable exposure conditions. (Antennas are greater than 0 mm from a person's body).

Informations concernant l'exposition aux fréquences radio (RF)

La puissance de sortie rayonnée de l'appareil sans fil est inférieure aux limites d'exposition aux radiofréquences d'Innovation, Sciences et Développement économique Canada (ISDE). L'Appareil sans fil doit être utilisé de telle manière que le potentiel de contact humain pendant le fonctionnement normal soit minimisé.

Cet appareil a été évalué et démontré conforme aux limites de débit d'absorption spécifique ("SAR") ISDE lorsqu'il est utilisé dans des conditions d'exposition portables. (Les antennes sont à plus de 0 mm du corps d'une personne).

CAUTION

User should also be advised that:
(i) the device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;

(ii) the maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall comply with the e.i.r.p. limit; and

(iii) the maximum antenna gain permitted for devices in the band 5725-5825 MHz shall comply with the e.i.r.p. limits specified for point-to-point and non point-to-point operation as appropriate. High-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

Les utilisateurs devraient aussi être avisés que
(i) les dispositifs fonctionnant dans la bande 5 150-5 250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;

(ii) le gain maximal d'antenne permis pour les dispositifs utilisant les bandes 5 250-5 350 MHz et 5 470-5 725 MHz doit se conformer à la limite de p.i.r.e.;

(iii) le gain maximal d'antenne permis (pour les dispositifs utilisant la bande 5 725-5 825 MHz) doit se conformer à la limite de p.i.r.e. spécifiée pour l'exploitation point à point et non point à point, selon le cas.

De plus, les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5 250-5 350 MHz et 5 650-5 850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

Attention: Teachers, Parents and Adult Supervisors

There must be supervision by an adult on school children under 10 when using this Chromebook. It is a must to have a thorough explanation to students on safe and proper handling of the Chromebook, power supply, battery pack, and power cord.

Be sure to keep the power cord away from younger children

Please ensure that students understand the following:

▶▶ As with all electrical products, precautions should be observed during handling and use to prevent electric shock. The power supply (adapter) should not be handled by the children."

▶▶ Emphasize to students that this device is an educational tool and not a toy. The Chromebook, power supply, battery pack or power cord should not be dropped, crushed, stepped on or otherwise abused.

▶▶ Ensure students understand the safe and proper handling of power cord and power supply. Misuse could result in serious injury.

▶▶ The teacher, parent or adult supervisor should periodically inspect the Chromebook; power supply and power cord for damage and replace it, if necessary.

▶▶ Students should report any damage or loose parts to their teacher, parent or adult supervisor, immediately.

▶▶ Do not leave the PC plugged in or "on" when enclosed in a non-vented container, such as a school backpack, as overheating may occur.

▶▶ It is recommended that students should take a 5 minute break every 30 minutes of use.

Safety Precautions

The following are lists of precautionary measures the students must understand before using this Chromebook inside the classroom or home environment:

1. Do not place near the fire or other sources of heat.
2. Do not expose to magnetic fields.
3. Do not expose to direct sunlight.
4. Do not expose to rain or moisture.
5. Do not place heavy objects to add heavy pressure on the Chromebook.
6. Do not drop the Chromebook.

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. RECYCLEZ LES BATTERIES USAGÉES SELON LES INSTRUCTIONS.

IT IS RECOMMENDED TO USE THIS CHROMEBOOK IN AN ENVIRONMENT WHERE THE AMBIENT TEMPERATURE IS NO MORE THAN 35°C.

1. Do not disassemble or open, crush, bend or deform, puncture, or shred.
2. Do not modify or remanufacture, attempt to insert foreign objects into the battery, immerse or expose to water or other liquids, or expose to excessive heat, fire, or other hazard. Only use the battery in the system for which it was specified.
3. Only use the battery with a charging system that has been qualified with the system per this standard.
4. Use of an unqualified battery or charger may present a risk of fire, explosion, leakage, or other hazard.
5. Do not short-circuit a battery or allow metallic or conductive objects to contact the battery terminals.
6. Replace the battery only with another battery that has been qualified with the system per CTIA Certification Requirements for Battery System Compliance to IEEE 1625.
7. Use of an unqualified battery may present a risk of fire, explosion, leakage, or other hazard.
8. Promptly dispose of used batteries in accordance with local regulations.
9. Battery usage by children should be supervised.
10. Follow the explanation of a security implementation per IEEE 1625 Clause 10.3.1.
11. Avoid dropping the host or battery. If the host or battery is dropped, especially on a hard surface, and the end user suspects damage, take it to a service center for inspection.
12. Improper battery use may result in a fire, explosion, leakage, or other hazard.
13. Storage and operating conditions, including temperature, shall be specified.
14. This device is slave equipment, the device is not radar detection and not ad-hoc operation in the DFS band.

CAUTION

BATTERIES CAN BE CHARGED BEST BETWEEN THE TEMPERATURES OF 2°C,~45.0℃ AND DISCHARGED BETWEEN THE TEMPERATURES OF 0℃,~60.0℃.

5. Specification

Processor	■ Intel® Processor N100, 4C/6W, 0.8GHz~3.4GHz
	    Intel® UHD Graphics, 200/750MHz
	■ Intel® Processor N200, 4C/6W, 1.0GHz~3.7GHz
	    Intel® UHD Graphics, 200/750MHz**(optional)**

Memory	■ LPDDR5 4GB/8GB ■ Single channel transfer rates of up to 4800 MT/S
Storage	■ Support 64GB/128GB ■ Support eMMC 5.1
Dimension	■ 329.2*219.25*18mm (w/o rubber foot)
Weight	■ 1.40kg (TBD)
Wireless	■ 802.11, 2x2 (5GHz/2.4GHz dual band support) ■ M.2 2230 supported ■ WLAN support (up to 2.4 Gbps)
LCD	■ 14" FHD IPS,1920 x1080(Anti-Glare)
Touch Screen **(optional)**	■ Air bonding ■ Support 10-points multi-touch, GFF type ■ Capacitive multi-touch ■ I2C Interface
Camera	■ USB2.0 interface, w/ LED indicator ■ 1M w/ 2 D-MICs
Battery	■ Li-Polymer Smart-Battery, soft pack, non-removable - 2S1P/7.7V/5350mAh/ 41Wh

Input/Output		■ 1 x Type C Port (USB 3.2 Gen1 Type C port, PD 3.0, DP 1.2 with Alt mode) ■ 1 x Type C Port (USB 3.2 Gen1 Type C port, PD 3.0, DP 1.2 with Alt mode) (optional) ■ 2 x Type A Port (USB 3.2 Gen 1) ■ 1 x combo Audio jack for microphone/headphone ■ 1 x Micro SD Card ■ 1 x Kensington Lock
Speaker & Microphone		■ Build-in 2 stereo speakers ■ Speaker: 2W , 4Ω
AC adapter		■ DC Output for Adapter : 20V/ 3.25A ■ DC Output for System : 20V/3.25A ■ 65 Watts, USB type C plug ■ Automatics Voltage adjustment between 100 and 240VAC ■ Input Frequency 50/60Hz ■ Surge protection
Certification	EMC	■ WLAN for CE, FCC
	RF	■ WLAN for CE (RED/SAR), FCC
	Safety& Environment	■ CB ■ cTUVus (by request) ■ WEEE ■ RoHS (Declaration)
	Design ready	■ Energy Star V9.0 (TBD) ■ Erp Lot 6
Validation	Others	■ Drop test MIL-STD-810H (76cm) ■ Water Resistance 300cc on keyboard / 200cc touchpad
Operating Systems		■ ChromeOS