



CTL Chromebook PX112C-L / PX112CT-L

USER MANUAL

ENGLISH

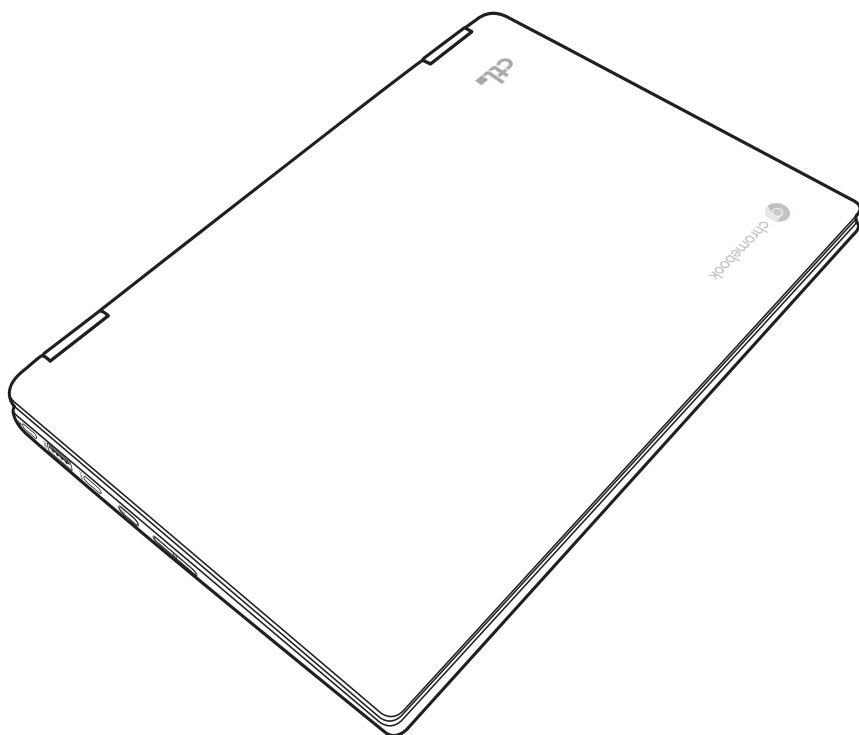


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1. Knowing the Parts

Basic sides of the Chromebook

1 Knowing the Parts

Top and Front Sides

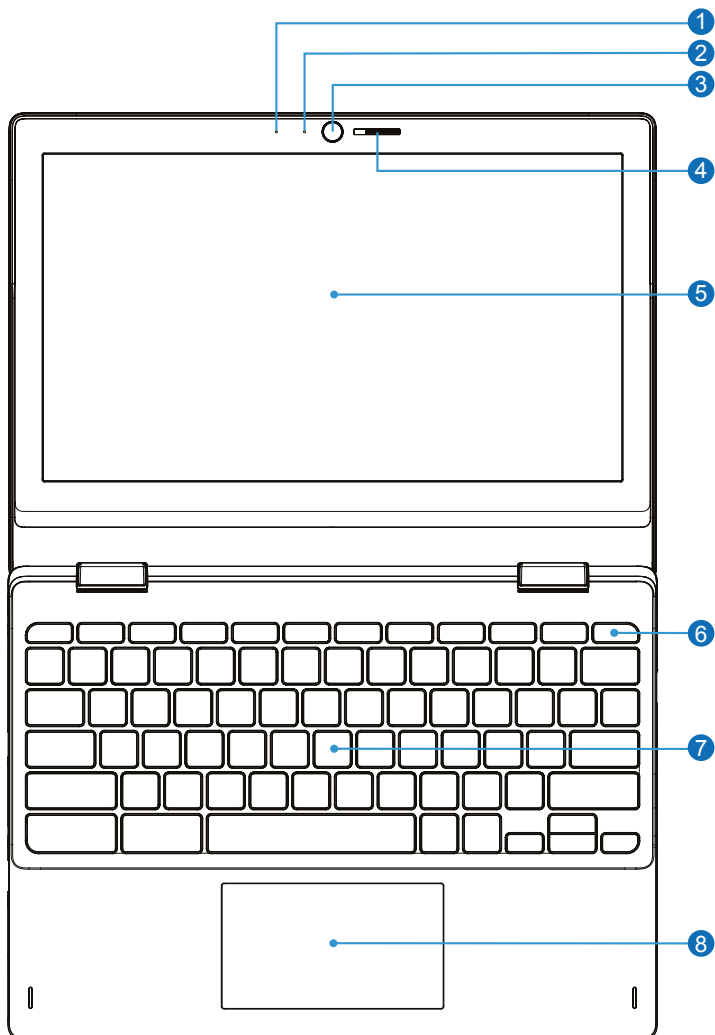
Refer to the diagram below to identify the components on these sides of the Chromebook.



NOTE: The keyboard will be different for each territory.



IMPORTANT! Selected models may feature display panels that do not fully open to a 180-degree angle, with such models do not attempt to force the display panel beyond its limit as it may cause damage to the device.



1 Knowing the Parts

- 1 Microphone**
Used for video conferencing, voice narrations, or audio recordings.


- 2 Camera Indicator**
Indicates whether the built-in camera is in operation.


- 3 Camera**
Allows picture taking or video recording for video conferencing and other applications.


- 4 Camera Shield**
Used to protect your privacy by covering the camera lens.


- 5 Display Panel**
Displays the Chromebook's user interface.

 **NOTE:** Use a soft cloth without chemical liquids (use plain water if necessary) to clean the display panel.

- 6 Power Switch**
Turns the Chromebook on/off or puts the Chromebook into sleep mode.


- 7 Keyboard**
Used to enter data into the Chromebook.

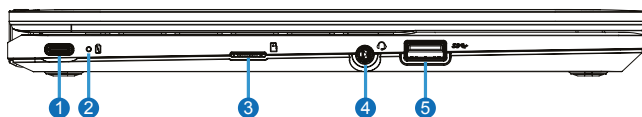

- 8 Touchpad and Buttons**
Allows navigating via touch gestures and clicking like a computer mouse.

 **NOTE:** You can customize the touchpad settings in the Device sub-menu in the Settings menu.

1 Knowing the Parts

Left Side

Refer to the diagram below to identify the components on this side of the Chromebook.



1 Power (DC) Input / USB 3.2 Port (Type-C)

Supplies power to the Chromebook and charges the internal battery. Also features USB version 3.2 functionality using a Type-C connector (USB-C).

- For use with storage devices.
- Supports a maximum transfer speed of up to 5 Gbps.
- Supports USB Power Delivery up to 45W.
- Compatible with DisplayPort interface.



CAUTION! Always use the supplied power adapter to prevent damage to the Chromebook.

2 Battery Charge Indicator

Shows the Chromebook's charging status:

On: Connected to the AC power adapter.

Off: *Not* connected to the AC power adapter.



3 Flash Memory Card Reader

Reads and writes microSD cards used in devices such as digital cameras and mobile phones.



4 Headphone Output / Microphone Input Combo Jack

Used to connect to amplified speakers, headphones, or a microphone.

Using this jack automatically disables the built-in speakers.



5 USB Port (3.2 / 2.0 / 1.1)

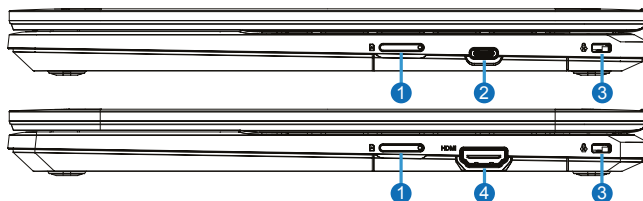
Allows using USB hubs to simultaneously run multiple devices on the Chromebook. Supports hot-swapping of devices. Supports charging devices while in sleep mode.



1 Knowing the Parts

Right Side

Refer to the diagram below to identify the components on this side of the Chromebook.

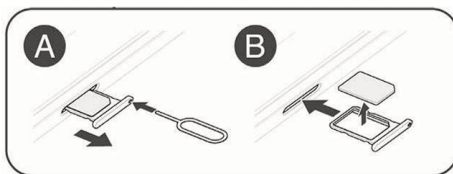


1 SIM Card Slot (Optional)

Reads a SIM card to connect the Chromebook to a mobile broadband network.



Instructions for correct removal and reinstallation of the SIM card slot cover.



2 Power (DC) Input / USB 3.2 Port (Type-C) (Optional)

Supplies power to the Chromebook and charges the internal battery. Also features USB version 3.2 functionality using a Type-C connector (USB-C).

- For use with storage devices.
- Supports a maximum transfer speed of up to 5 Gbps.
- Supports USB Power Delivery up to 45W.
- Compatible with DisplayPort interface.



CAUTION! Always use the supplied power adapter to prevent damage to the Chromebook.

3 Nano Kensington® Lock Port

Allows the Chromebook to be secured to a fixed object using Kensington® compatible security products preventing it from being removed.



4 HDMI Port (Optional)

Connects to a display device to transmit video/audio signals using the HDMI interface.



2. Getting Started

Power System



NOTE: Photos and icons in this document are used for artistic purposes only and do not show what is actually used in the product itself.

2 Getting Started

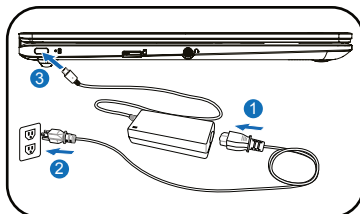
Power System



Using AC Power

Your Chromebook comes with a universal AC-DC adapter applicable to any 100V-120V and 220V-240V outlets without using power converters.

When using the adapter, connect the AC power cord to the adapter, the power cord to an AC outlet, and then the USB Type-C connector to the Chromebook. The power indicator on the adapter (if available) will light if the power is within accepted ranges.



If a power strip is used, ensure the total ampere rating of the products plugged into the power strip does not exceed the ampere rating of the power strip.



NOTE: The image is for reference only and may not show what is actually used for the product itself.



IMPORTANT! This Chromebook may come with a two or three-prong plug depending on territory. If a three-prong plug is provided, you must use a grounded AC outlet to ensure safe operation. **DO NOT** remove the grounding prong from the power cable plug.



IMPORTANT! Damage may occur if you use a different adapter to power the Chromebook. If there is smoke, burning scent, or extreme heat coming from the adapter, turn **OFF** the Chromebook and contact an authorized service center. You may damage both the Chromebook and its battery with a faulty adapter.



IMPORTANT! Plug the adapter into an AC outlet that is easily accessible at all times and place the adapter in a ventilated area. **DO NOT** place heavy objects on the adapter or cover it with anything that will reduce cooling. **DO NOT** use the adapter inside a carrying case.



WARNING! **DO NOT** cover the adapter. Keep it away from your body as it may become hot when in use.



Using Battery Power

The Chromebook is designed to work with a battery. A fully charged battery will provide several hours of battery life, which can be further extended by using the power management features in the Device sub-menu in the Settings menu.



Battery Care

There is a limit on the number of times the battery can be recharged. Its lifespan will depend on your environment temperature, humidity, and how your Chromebook is used. Use the battery in a temperature range between 5°C and 35°C (41°F and 95°F) to ensure a longer battery life. Leaving a battery in a surrounding environment with extremely high temperature can result in an explosion or the leakage of flammable liquid or gas.



WARNING! **DO NOT** throw any batteries into fire, **DO NOT** short circuit the contacts, and **DO NOT** disassemble any batteries. If there is any abnormal operation or damage to the batteries, turn **OFF** the Chromebook and contact an authorized service center. Use only approved batteries. Using an incorrect battery type can cause a risk of explosion. Follow local regulations for instructions to dispose of used batteries.



3 Regulatory Notices

3. Regulatory Notices

Federal Communications Commission Declaration of Conformity

Federal Communication 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 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.

3. Regulatory Notices

FCC Caution

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

This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device was evaluated for typical lap held operations with the device contacted directly to the human body to the back side of the notebook Chromebook. To maintain compliance with FCC RF exposure compliance requirements, avoid direct contact to the transmitting antenna during transmitting.

Any changes or modifications (including the antennas) made to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment.

Industry Canada (IC) Compliance Statement

This device complies with Industry Canada's licence-exempt RSSs. 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 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.

This equipment complies with Innovation, Science and Economic Development Canada's radiation exposure limits set forth for an uncontrolled environment. The End user must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The device is designed to meet the requirements for exposure to radio waves established by the Innovation, Science and Economic Development Canada's. These requirements set a SAR limit of 1.6 W/kg averaged over one gram of tissue. The highest SAR value reported under this standard during product certification for use when properly worn on the body.

Ce matériel répond à l'innovation, science et développement économique canada est l'exposition maximale fixée pour un autre environnement. L'utilisateur final doit suivre les instructions d'exploitation de l'exposition aux radiofréquences spécifiques pour satisfaire la conformité. Cet émetteur ne doit pas être situées ou opérant conjointement avec toute autre antenne ou l'émetteur.

3. Regulatory Notices

Le dispositif est conçu pour répondre aux exigences de l'exposition aux ondes radio créée par la science et l'innovation, développement économique Canada. Ces exigences limite de sar de 1.6 W / kg en moyenne pour un gramme de tissu. La valeur der - sen vertu de cette norme plus élevée au cours de la certification de produits déclarés pour une utilisation bien portés sur le corps.

Connections to Peripheral Devices

Connections to this device must be made with shielded cables with metallic RFI/EMI connector hoods to maintain compliance with FCC Rules and Regulations.

Manufacture is not responsible for any radio or television interference caused by using other than specified or recommended cables and connectors or by unauthorized changes or modifications to this equipment. Unauthorized changes or modifications could void the user's authority to operate the equipment.

European Union

CE Mark



Products with the Conformité Européene (CE) Marking, which indicates compliance with the applicable Directives.

This device has been tested and found to comply with the requirements set out in the Council Directive on the Approximation of the Laws of the Member States relating to Electromagnetic Compatibility (2014/30/EC) and in the Council Directive on the Harmonization of the Laws of the Member States relating to Electrical Equipment Designed for Use within Certain Voltage Limits (2014/35/EU). This device has also been tested to comply with Radio equipment and telecommunications Terminal equipment (2014/53/EU) directive.

Restrictions in the 5 GHz band:

The 5150 to 5350 MHz frequency range is restricted to indoor use in: AT, BE, BG, CH, CY, CZ, DE, DK, EE, EL, ES, FI, FR, HR, HU, IE, IS, IT, LI, LT, LU, LV, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, UK(NI).

In accordance with the relevant statutory requirements in the UK, the 5150 to 5350 MHz frequency range is restricted to indoor use in the United Kingdom.

3. Regulatory Notices

Frequency Bands and Power

Wi-Fi 2.4GHz: 20 dBm, Bluetooth 2.4GHz: 13 dBm, Wi-Fi 5GHz: 5150-5350MHz: 23 dBm, 5470-5725MHz: 23 dBm, 5725-5850MHz: 14 dBm

RF Exposure Information

For the countries that adopt the SAR limit of 2.0 W/kg over 10 grams of tissue. The device complies with RF specifications when used at a distance of 0.0 cm from your body. The highest reported SAR value: body SAR: X.XX W/kg.

For manufacturer's Declaration of Conformity, please contact with Pegatron Corporation.

WEEE and recycling statements

The Waste Electrical and Electronic Equipment (WEEE) Directive



This symbol means that the equipment must not be disposed of as unsorted municipal waste, in accordance with the EU directive for waste electrical and electronic equipment (WEEE - 2012/19/ EU). Disposing of WEEE together with normal waste may pose a risk to the environment and to human health, due to certain substances used in that equipment. Instead, it should be disposed of by returning it to the point of sale, or to a municipal recycling collection point.

Under the WEEE Directive, each EU Member State is responsible for achieving a high level of collection of WEEE for treatment, recovery and environmentally sound disposal.

3. Regulatory Notices

Li-Polymer Battery Warning

This Chromebook contains a Li-polymer battery to power the clock and calendar circuitry.

Where providing safety devices or design in a BATTERY or equipment is not reasonably practical considering the functional nature of the BATTERY or equipment containing a BATTERY, INSTRUCTIONAL SAFEGUARDS in accordance with Clause F.5 shall be provided to protect the BATTERY from extreme conditions or user's abuse. Examples that shall be considered include:

- Replacement of a BATTERY with an incorrect type that can defeat a SAFEGUARD (for example, in the case of some lithium BATTERY types);
- 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; and
- A BATTERY subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.
- High or low extreme temperatures that a BATTERY can be subjected to during use, storage or transportation; and
- Low air pressure at high altitude.

Caution: Danger of explosion if battery is replaced incorrectly. Only qualified service technicians should replace and discard the battery. Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

WiFi 6E Warning

Operation of transmitters in the 5.925-7.125 GHz band is prohibited for control of or communications with unmanned aircraft systems.

3. Regulatory Notices

Travel Notice



To reduce the risk of electric shock, fire or damage to the equipment, do not attempt to power the Chromebook with a voltage converter kit sold for appliances. If provided with a 3-pin attachment plug on the power cord, plug the cord into a grounded (earthed) 3-pin outlet. Do not disable the power cord grounding pin, for example, by attaching a 2-pin adapter. The grounding pin is an important safety feature.

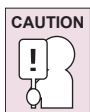
Attention: Teachers, Parents and Adult Supervisors in Safety Instructions

This Chromebook is intended for use as a child development tool primarily by children, 6 years of age or above. There must be supervision by an adult. It is a must to have a thorough explanation to children on safe and proper handling of the PX112C-L/PX112CT-L – Clamshell series model, power supply, battery pack, and power cord.



Choking Hazard – Small parts. Not suitable for children under age 3.

- For ITE with power supplies not intended to be handled by children: 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.
- The PX112C-L/PX112CT-L – Clamshell series should not be placed on the bare skin (lap) of the child for long periods. The laptop should be placed on another surface, like desk tabletop, if intending to use it for more than a few minutes.
- The PX112C-L/PX112CT-L – Clamshell series (including power supply and battery pack, as applicable) should not be left in the rain or subjected to exposure to water. If cleaning is necessary do not immerse in water; wipe clean with damp cloth.
- The PX112C-L/PX112CT-L – Clamshell series (including power supply and battery pack, as applicable) should not be dropped, crushed (stepped on) or otherwise abused.
- The children should be careful with the interconnect cable (wiring) between the power supply (adapter) and PX112C-L/PX112CT-L – Clamshell series, in particular as a potential trip hazard.
- An adult should inspect the PX112C-L/PX112CT-L – Clamshell series (including power supply and battery pack, as applicable) periodically for damage, and replace if necessary. Similarly, if a child notices damaged/broken parts, this should be reported to the teacher/parents/ adult supervisors immediately so that the damaged parts can be replaced.



ELECTRICALLY OPERATED PRODUCT. Not recommended for children under 3 years of age (or other intended age range). As with all electrical products, precautions should be observed during handling and use of electrical products to reduce the risk of electric shock.

3. Regulatory Notices

ENERGY STAR model information



ENERGY STAR Program was created to help identify the best ways to save energy. The little blue label says this product, this home, this building or factory is doing the right things to save. And energystar.gov offers the most comprehensive resource available for energy efficiency advice and information.

It is pleased for us to offer our customers products with the ENERGY STAR qualified designation. You might find an ENERGY STAR mark affixed on the Chromebook or displayed on the power setting interface. This device has been designed and tested to conform to the ENERGY STAR program requirements for computers.

It is greatly users can help reduce the consumption of electricity by using ENERGY STAR qualified products and taking advantage of the power-management features of the computers.

For more information about ENERGY STAR, go to:
<http://www.energystar.gov>

It is pleased for us to encourage you to make efficient use of energy an integral part of your day-to-day operations. To help in this endeavor, it has preset the following power-management features to take effect when your Chromebook has been inactive for a specified length of time:

Power plan: Default

- Turn off the display: After 7.5 minutes
- Put the Chromebook into sleep: After 8.5 minutes

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There is no text or other markings on the paper.

CTL Contact Information

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