

Appendix A

Getac

V120

USER MANUAL

May 2025

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Note

For the latest version of the manual, please visit the Getac website at www.getac.com.

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Chapter 1

Getting Started

This chapter first tells you step by step how to get the computer up and running. Then, you will find a section briefly introducing the external components of the computer.

CAUTION: Safety instructions are provided in related sections throughout the User Manual. Please read the manual and any accompanying document(s) before starting to use the product.

Getting the Computer Running

Connecting to AC Power

CAUTION: Use only the AC adapter included with your computer. Using other AC adapters may damage the computer.

NOTE:

- The battery pack is shipped to you in power saving mode that protects it from charging/discharging. It will get out of the mode to be ready for use when you install the battery pack and connect AC power to the computer for the very first time.
- When the AC adapter is connected, it also charges the battery pack. For information on using battery power, see Chapter 3.

You must use AC power when starting up the computer for the very first time.

1. Plug the DC cord of the AC adapter to the power connector of the computer (❶).
2. Plug the female end of the AC power cord to the AC adapter and the male end to an electrical outlet (❷).

NOTE: The power cord type varies with countries. The look of your power cord and electrical outlet might not match the one shown in this document.

3. Power is being supplied from the electrical outlet to the AC adapter and onto your computer. Now, you are ready to turn on the computer.

Opening and Closing the Cover

To open the top cover:

1. Pry open the cover latch (❶).
2. Lift up the cover (❷). You can tilt the cover forward or backward for optimal viewing clarity.



To close the top cover:

1. Close the display.
2. Lift the cover latch to engage it on the display.

Operating in Tablet Mode

In addition to being used as a regular notebook computer, your computer can also be operated in Tablet mode. In Tablet mode, you operate the computer with a stylus or digitizer pen, or a fingertip, instead of a keyboard or mouse.

1. Open the top cover.
2. Turn the display counter-clockwise by 180°.



CAUTION: Do not rotate the display more than 180°, or attempt to rotate the display clockwise.

3. Close the computer with the display facing up.



4. Lift the cover latch to engage it on the display.

Turning On and Off the Computer

Turning On

Press the power button (). The Windows operating system should start.

NOTE: Tapping the screen during startup may invoke a pre-boot menu (unless the default settings have been changed). If the menu appears, simply select Continue.

Turning Off

When you finish a working session, you can stop the system by turning off the power or leaving it in Sleep or Hibernation mode:

To...	Do this...
Power off (Shutdown)	Click Start →  Power → Shut down.
Sleep	Use one of these methods: ● Press the power button.* ● Close the top cover.* ● Press Fn + F12.* ● Click Start →  Power → Sleep.
Hibernate	By default, this option is not shown in the Start menu. If you want to use the feature, set up accordingly in Windows settings.

* “Sleep” is the default result of the action. You can change what the action does through Windows settings.

Taking a Look at the Computer

NOTE: Depending on the model you purchased, the appearance of your computer may not be exactly the same as those shown in this manual.

CAUTION: You need to open the protective covers to access the connectors. When not using a connector, make sure to close the cover completely for water- and dust-proof integrity. (Engage the locking mechanism if existing.)

Front Components



Ref	Component	Description
①	Stereo speaker	Sends out sound and voice from your computer.
②	Power button	Turns the power on or off. (The default “off” state is “Sleep mode.”)
③	+ button	Increases the sound volume.
④	– button	Decreases the sound volume.
⑤	Top cover latch	Locks the top cover.
⑥	P2 button	Opens or closes the OSD Control Panel.
⑦	P1 button	Depending on your model, the default function is one of the below.
		CameraStarts the G-Camera application.
		TriggerServes as the trigger button for the barcode scanner.
		When pressed longer: Serves as the Ctrl+Alt+Del keyboard keys.

NOTE: The hardware buttons (except the power button) can be re-defined using G-Manager.

Rear Components

For covers with an arrowhead icon, push the cover toward one side to unlock and the other side to lock. The arrowhead points to the side for unlocking.



Ref	Component	Description
❶	Select models have one of the below components.	
	a	Serial port Connects a serial device.
	b	MicroSD card slot Accepts a microSD card for removable storage media.
❷	Kensington Security Slot	Locks the computer to a stationary object for security.
❸	HDMI connector	Connects a HDMI monitor or TV set.
❹	RJ45 connector	Connects the LAN cable.
❺	USB-C Thunderbolt™ 4 port	Connects to devices that support Thunderbolt or USB-C connection.

Right-Side Components

For covers with an arrowhead icon, push the cover toward one side to unlock and the other side to lock. The arrowhead points to the side for unlocking.



Ref	Component	Description
❶	Smart card reader (optional)	Accepts a smart card for additional security feature.
❷	SSD canister	Contains the solid-state drive, which is the C drive storing the operating system of your computer. CAUTION: This device is not hot-swappable. Do not remove it without turning off the system first.
❸	USB 3.2 Gen 2 port (optional)	Connects a USB device.
❹	Barcode scanner(optional)	Scans and reads barcodes.

Left-Side Components

For covers with an arrowhead icon, push the cover toward one side to unlock and the other side to lock. The arrowhead points to the side for unlocking.



Ref	Component	Description
❶	Power connector	Connects the AC adapter.
❷	USB 3.2 Gen 2 port	Connects a USB device.
❸	Mini-SIM card slot (optional)	Accepts a mini-SIM card for models having the WWAN module. NOTE: The slot still exists but cannot be used for models without the WWAN module.
❹	Combo audio connector	Connects a set of headphones or external speakers with amplifier Supports a headset microphone with 4-pole TRRS 3.5mm jack.
❺	RFID antenna (optional)	Reads data from RFID tags.

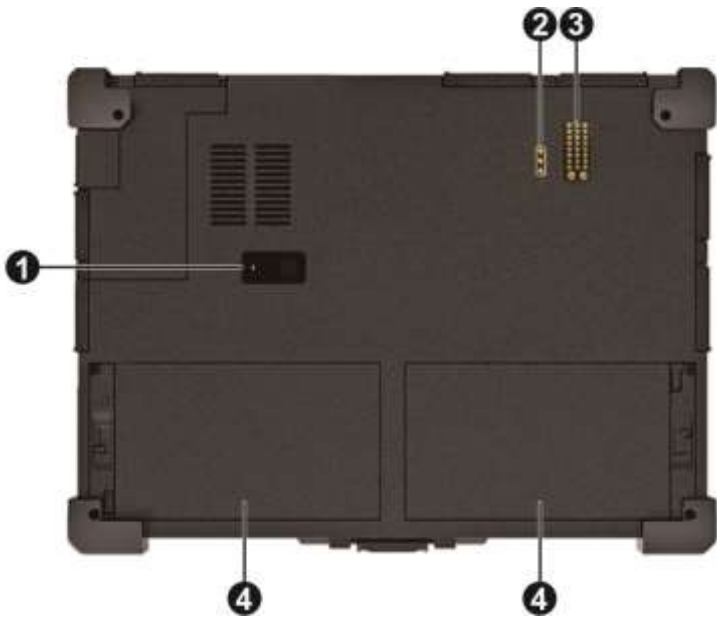
Top-open Components



Ref	Component	Description
❶	Camera cover	Covers the camera lens. Slide the cover to open or close it. The cover provides privacy protection.
❷	Microphone	Receives sound and voice to record voice.
❸	Light sensor	Detects the surrounding lighting condition for automatic adjustment of the LCD brightness.
❹	Camera indicator	Lights up when the camera is in use.
❺	IR sensor (optional)	Detects the infrared energy of objects to form an image. The sensor flashes red light when in use. The near infrared (IR) imaging capability allows you to use Windows Hello face authentication.
❻	Camera lens	Allows you to use your computer's camera function.
❼	Touchscreen	Displays and receives information for the computer.
❽	Fingerprint scanner (optional)	Serves as the fingerprint verification, preventing unauthorized access to your computer.
❾	Keyboard	Serves as the data input device.
❿	Touchpad	Serves as the pointing device.
⓫	Indicators	Show the current status of the computer's devices.
	 Power	Lights green when the computer is turned on. Blinks green when the computer is in Sleep mode
	 Battery	Lights amber when the battery is being charged. Lights green when battery charging is completed. Blinks green to indicate the battery's built-in high temperature protection mechanism is activated. CAUTION: Do not remove the battery during this period. Blinks red when the battery's capacity is below 10%. Blinks amber when the battery charging is in an abnormal state. Replace the battery in case this happens.

Ref	Component	Description
	 Caps Lock	Lights green when Caps Lock is on.
	 Num Lock	Lights green when Num Lock is on.

Bottom Components



Ref	Component	Description
①	Camera lens (optional)	Allows you to use the camera function.
	Flash (optional)	Provides extra light when taking pictures.
	Camera indicator (optional)	Lights up when the camera lens beside it is in use.
Ref	Component	Description
②	Antenna pass-through (optional)	Connects to the docking station for using external WWAN/WLAN/GPS antenna.

③	Docking connector	Inside is the docking connector for connecting an office dock or vehicle dock (purchased separately).
④	Battery pack	Supplies power to your computer when external power is not connected. NOTE: If you have the high-capacity battery model, the battery pack looks different from the one shown here.

Chapter 2

Operating Your Computer

This chapter provides information about the use of the computer.

If you are new to computers, reading this chapter will help you learn the operating basics. If you are already a computer user, you may choose to read only the parts containing information unique to your computer.

CAUTION:

- Do not expose your skin to the computer when operating it in a very hot or cold environment.
- The computer can get uncomfortably warm when you use it in high temperatures. As a safety precaution in such a circumstance, do not place the computer on your lap or touch it with your bare hands for extended periods of time. Prolonged body contact can cause discomfort and potentially a burn.
- When the computer is placed flat on a table top for work, the back surface can get hot after long working hours. Take precautions if you need to carry the computer around while it is hot to the touch. Depending on your model, a carrying handle or strap may be available as an option. You can use the handle or strap to carry the computer.

Using the Keyboard

Your keyboard has all the standard functions of a full-sized computer keyboard plus an **Fn** key added for specific functions.

The standard functions of the keyboard can be further divided into four major categories:

- Typewriter keys
- Cursor-control keys
- Numeric keys
- Function keys

Typewriter Keys

Typewriter keys are similar to the keys on a typewriter. Several keys are added such as the **Ctrl**, **Alt**, **Esc**, and lock keys for special purposes.

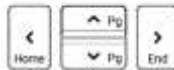
The Control (**Ctrl**) / Alternate (**Alt**) key is normally used in combination with other keys for program-specific functions. The Escape (**Esc**) key is usually used for stopping a process. Examples are exiting a program and canceling a command. The function depends on the program you are using.

Cursor-Control Keys

Cursor-control keys are generally used for moving and editing purposes. They include:

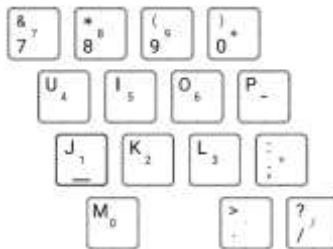
- Up, down, left, and right arrow keys
- Page Up, Page Down, Home, and End keys (used with the **Fn** key)
- Insert and Delete keys

NOTE: The word “cursor” refers to the indicator on the screen that lets you know exactly where on your screen anything you type will appear. It can take the form of a vertical or horizontal line, a block, or one of many other shapes.



Numeric Keypad

A 15-key numeric keypad is embedded in the typewriter keys as shown next:



Numeric keys facilitate entering of numbers and calculations. When Num Lock is on, the numeric keys are activated; meaning you can use these keys to enter numerals.

NOTE:

- When the numeric keypad is activated and you need to type the English letter in the keypad area, you can turn Num Lock off or you can press **Fn** and then the letter without turning Num Lock off.
- Some software may not be able to use the numeric keypad on the computer. If so, use the numeric keypad on an external keyboard instead.
- The Num Lock key can be disabled. (See “錯誤! 找不到參照來源。” in Chapter 5.)

Function Keys

On the top row of the keys are the function keys: **F1** to **F12**. Function keys are multi-purpose keys that perform functions defined by individual programs.

Fn Key

The **Fn** key, at the lower left corner of the keyboard, is used with another key to perform the alternative function of a key. To perform a desired function, first press and hold Fn, then press the other key.

Hot Keys

Hot keys refer to a combination of keys that can be pressed any time to activate special functions of the computer. Most hot keys operate in a cyclic way. Each time a hot key combination is pressed, it shifts the corresponding function to the other or next choice.

You can easily identify the hot keys with the icons imprinted on the keytop. The hot keys are described next.

Key	Description
Fn + Esc	Switches the keyboard backlight on or off (option).
Fn + F1	Switches the RF (radio frequency) radio on and off. When off, all wireless modules (such as WLAN, BT, and WWAN) cannot be used. When on, individual settings of the module work.
Fn + F3	Decreases the sound volume.
Fn + F4	Increases the sound volume.

Key	Description
Fn + F5	Switches the display output to the next choice if an external display is connected. Choices are: <pre>graph TD; A[PC screen only] --> B[Duplicate (See the same thing on all your displays.)]; B --> C[Extend (See your desktop across multiple screens.)]; C --> D[Second screen only];</pre> The hot keys are equivalent to Windows logo key + P.
Fn + F6	Decreases the LCD brightness.
Fn + F7	Increases the LCD brightness.
Fn + F8	Switches the touchscreen on or off.
Fn + F9	Switches the touchpad off or on.
Fn + F10	Switches the system sound output off (mute) or on.
Fn + F11	Switches the display on or off.
Fn + F12	Serves as the sleep button that you can define with Windows' Power Options.

Windows Keys

The keyboard has three keys that perform Windows-specific functions.

- The Windows Logo key opens the **Start** menu and performs software-specific functions when used in combination with other keys.
- The Application key usually has the same effect as a right mouse click. (On your keyboard, this function shares the same key with another function. To use this function, you have to first press and hold the **Fn** key and then press the key.)
- The Copilot key invokes Copilot in Windows, which provides centralized AI assistance to you. It requires Microsoft account to log in. When Copilot for Windows is not available or enabled on the computer, pressing the Copilot key will launch Windows Search.

Using the Touchpad

CAUTION: Do not use a sharp object such as a pen on the touchpad. Doing so may damage the touchpad surface.

NOTE:

- Press **Fn+F9** to toggle the touchpad on or off.
- For optimal performance of the touchpad, keep your fingers and the pads clean and dry. When tapping on the pad, tap lightly. Do not use excessive force.

The touchpad is a pointing device that allows you to communicate with the computer by controlling the location of the pointer on the screen and making selection with the buttons.

The touchpad consists of a rectangular pad (work surface) and a left and right buttons. To use the touchpad, place your forefinger or thumb on the pad. The rectangular pad acts like a miniature duplicate of your display. As you slide your fingertip across the pad, the pointer (also called cursor) on the screen moves accordingly. When your finger reaches the edge of the pad, simply relocate yourself by lifting the finger and placing it on the other side of the pad.

Here are some common terms that you should know when using the touchpad:

Term	Action
Point	Move your finger on the pad until the cursor points to the selection on the screen.
Click	Press and release the left button. –or– Tap gently anywhere on the pad.
Double-click	Press and release the left button twice in quick succession. –or– Tap twice on the pad rapidly.

Term	Action
Drag and drop	Press and hold the left button, then move your finger until you reach your destination (drag). Finally, release the button (drop) when you finish dragging your selection to the destination. The object will drop into the new location. —or— Gently tap twice on the pad and on the second tap, keep your finger in contact with the pad. Then, move your finger across the pad to drag the selected object to your destination. When you lift your finger from the pad, the selected object will drop into place.

Configuring the Touchpad

The touchpad supports touch gestures for Windows. You may want to configure the touchpad to suit your needs.

To configure the touchpad, go to **Settings → Bluetooth & devices → Touchpad**.

Navigating on the Screen

The screen of your computer is touch-sensitive. You can operate the computer by touching the screen with your finger or the stylus.

NOTE:

- An optical film has been attached to the screen before shipment. The film is a consumable, which will be worn out by possible scratches. You can purchase a new one when replacement is required.
- You can press **Fn+F8** to toggle the touchscreen function on or off.

Using the Touchscreen

Your computer has a capacitive touchscreen. This type of touchscreen responds to objects that have conductive properties, such as fingertips and a capacitive-tipped stylus.

You can change the touchscreen sensitivity settings to suit your scenario. Double-tap the Touch Screen Mode shortcut on Windows desktop to open the settings menu and select one of the options (as shown below).



Select this mode when liquids, such as raindrops, are falling on the screen and should be rejected as input. Works best with fingertips.



Has a higher sensitivity to allow use with gloves (referring to warm gloves or work gloves, not referring to touchscreen-capable gloves).



Enables simultaneous use with Getac stylus or finger touch. (You must use the stylus supplied with your model.)

NOTE:

- In high temperatures (above 60 °C / 140 °F), set the mode to Finger instead of Glove or Stylus mode.

- If liquid is spilled on the touchscreen causing a wet area, the area will stop responding to any inputs. For the area to function again, you must dry it.

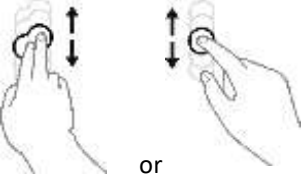
The following table shows how you use the touchscreen to obtain equivalent mouse functions.

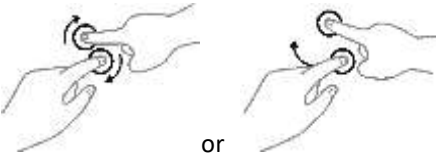
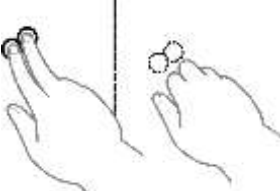
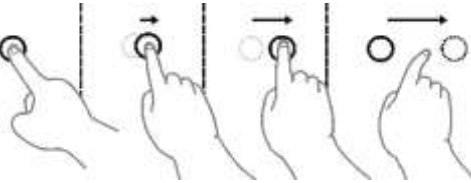
Term/Action	Equivalent Mouse Function
Tap: Touch the screen once.	Click/Point
Double-tap: Touch the screen twice rapidly.	Double-click
Tap and hold: Tap and hold until a popup menu appears.	Right-click
Drag: Hold the stylus (or finger) on the screen and drag across the screen until reaching your destination.	Drag

Using Multi-touch Gestures

You can interact with your computer by placing two fingers on the screen. The movement of the fingers across the screen creates “gestures,” which send commands to the computer.

Here are the multi-touch gestures that you can use:

Gestures	Actions  = finger down;  = finger up)	Descriptions
Pan (Scroll)	 or Drag 1 or 2 fingers up or down.	Use panning to see another part of a page that has scroll bars.
Zoom (Pinch)	 Move two fingers apart/toward each other.	Use zooming to make an item (a photo for example) on the screen larger or smaller. The gesture works in applications that support mouse wheel zooming.

Gestures	Actions  = finger down;  = finger up)	Descriptions
Rotate	 or Move two fingers in opposing directions. -or- Use one finger to pivot around another.	Use rotating to move a picture or other item on the screen in a circular direction (clockwise or counter-clockwise). The gesture works in applications that support the specific gesture.
Press and Tap	 Press on target and tap using a second finger.	Use press and tap to access the shortcut menu.
Two-finger Tap	 Tap two fingers at the same time (where the target is in the midpoint between the fingers).	The function is defined by applications that support the specific gesture.
Flicks	 Make quick drag gestures in the desired direction.	Flick left or right to navigate back and forward in a browser and other applications. The gesture works in most applications that support back and forward.

Using the Dual Mode Display (Optional)

Dual mode display (if your model has the feature) incorporates both touchscreen and digitizer functions.

The display is set to Touchscreen mode by default. Touchscreen mode provides all the functionalities that an ordinary touchscreen has. When the computer receives signals from the digitizer pen, the display automatically switches to Digitizer mode.

You can move the cursor by bringing the digitizer pen close to the screen, without actually touching the screen's surface. The digitizer pen has a shortcut button that functions as the right-click of a mouse.



Using Network and Wireless Connections

Using the LAN

To connect the network cable to the LAN module, connect one end of the LAN cable to the RJ45 connector on the computer and the other end to the network hub.

Using the WLAN

The WLAN (Wireless Local Area Network) module of your computer supports IEEE 802.11ax.

Turning On/Off the WLAN Radio

To turn on the WLAN radio:

Select the network icon in the lower right of the taskbar. Then, select the Wi-Fi button.

To turn off the WLAN radio:

You can turn off the WLAN radio the same way you turn it on.

If you want to quickly turn off all wireless radio, simply switch on Airplane mode. You can control the Airplane mode using one of the below methods.

- Press Fn+F1.
- Use the Airplane Mode button in the OSD Control Panel.
- Select the network icon in the lower right of the taskbar. Then, select the Airplane mode button.

Connecting to a WLAN Network

1. Make sure that the WLAN function is enabled (as described above).
2. Click the network icon  in the lower right of the task bar.
3. Select the device you want to connect from the search results.

4. Some networks require a network security key or passphrase. To connect to one of those networks, ask your network administrator or Internet service provider (ISP) for the security key or passphrase.

For more information on setting a wireless network connection, refer to Windows online help.

Using the Bluetooth Feature

The Bluetooth technology allows short-range wireless communications between devices without requiring a cable connection. Data can be transmitted through walls, pockets and briefcases as long as two devices are within range.

Turning On/Off the Bluetooth Radio

To turn on the Bluetooth radio:

Go to **Settings → Bluetooth & devices**). Slide the Bluetooth switch to the On position.

To turn off the Bluetooth radio:

You can turn off the Bluetooth radio the same way you turn it on.

If you want to quickly turn off all wireless radio, simply switch on Airplane mode. You can control the Airplane mode using one of the below methods.

- Press Fn+F1.
- Use the Airplane Mode button in the OSD Control Panel.
- Select the network icon in the lower right of the taskbar. Then, select the Airplane mode button.

Connecting to another Bluetooth Device

1. Make sure that the Bluetooth function is enabled (as described above).
2. Make sure that the target Bluetooth device is turned on, discoverable and within close range. (See the documentation that came with the Bluetooth device.)
3. Go to **Settings → Bluetooth & devices → Add device → Bluetooth**.
4. Select the device you want to connect from the search results.

5. Depending on the type of Bluetooth device that you want to connect to, you will need to enter the pertinent information.

For detailed information on using the Bluetooth feature, see Windows' online Help.

Using the WWAN Feature (Optional)

A WWAN (Wireless Wide Area Network) uses mobile telecommunication cellular network technologies to transfer data. The WWAN module of your computer supports 4G LTE or 5G NR.

NOTE: Your model only supports data transmission. Voice transmission is not supported.

Turning On/Off the WWAN Radio

To turn on the WWAN radio:

Select the network icon in the lower right of the taskbar. Then, select the Cellular button.

To turn off the WWAN radio:

You can turn off the WWAN radio the same way you turn it on.

If you want to quickly turn off all wireless radio, simply switch on Airplane mode. You can control the Airplane mode using one of the below methods.

- Press Fn+F1.
- Use the Airplane Mode button in the OSD Control Panel.
- Select the network icon in the lower right of the taskbar. Then, select the Airplane mode button.

Setting up a WWAN Connection

Go to Settings → Network & Internet → Cellular. (For detailed information on cellular settings in Windows, see Microsoft Support website.)

Using the Fingerprint Scanner (Optional)

CAUTION:

- For optimal performance, both the scanning surface and the finger should be clean and dry. Clean the scanning surface when needed. You can use adhesive tape to remove dirt and oil from the scanner surface.
- It is not recommended that you use the fingerprint scanner in a below-freezing temperature. The moisture on your finger can freeze to the scanner's metal surface when you touch it, resulting in a failed operation. Besides, touching freezing metal with your finger can cause frostbite.

The fingerprint scanner (if your model has the feature) provides a strong authentication mechanism based on fingerprint recognition. You can log on to Windows and dismiss the lock screen with an enrolled fingerprint instead of a password.



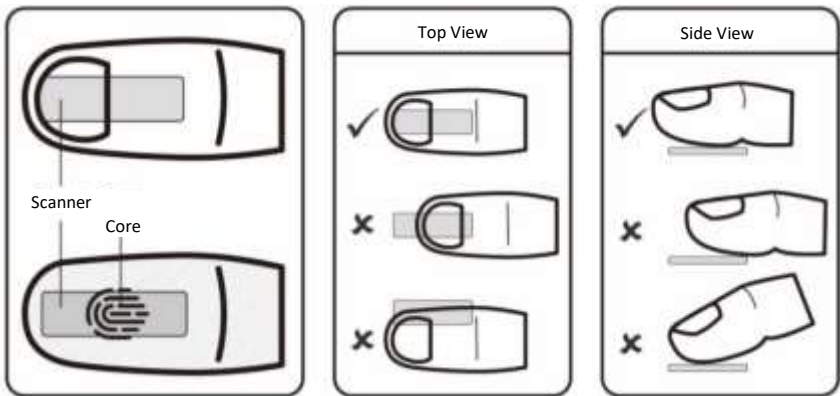
Enrolling a Fingerprint

NOTE: You can enroll a fingerprint only after creating a password for the Windows user account.

1. Go to Settings → Accounts → Sign-in options.
2. Select the fingerprint option.
3. Follow the onscreen instructions to complete.

When placing your finger on the scanner, make sure you position your finger correctly as described and illustrated below.

- **Maximum contact area:** Place your finger to completely cover the scanner with maximum contact surface.
- **Place on the center:** Position the center of your fingerprint (core) at the center of scanner.



After placing your finger on the scanner, lift it up and place it down again. You should slightly move your finger between each reading. Repeat this action several times (normally between 12 and 16 times) until the fingerprint is enrolled.

Fingerprint Login

NOTE: The fingerprint login process can take a while. This is because the system has to check hardware devices and security configuration before initiating the fingerprint scanner.

With an enrolled fingerprint, the user can log on by tapping the Fingerprint option in Windows login screen and then placing the finger on the scanner. The user can also dismiss the lock screen with the fingerprint.

The fingerprint scanner has 360-degree readability. You can place your finger in any orientation for the scanner to recognize an enrolled fingerprint.

If fingerprint login attempts fail three times, you will be switched to password login.

Using the Barcode Scanner (Optional)

NOTE:

- For enhanced applications and customization of the module, you can use the Barcode Manager program. (For detailed information on the program, see the program's online help.)
- The maximum operating temperature for the barcode scanner is 50 °C (122 °F).

If your model has the barcode scanner, you can scan and decode most common 1D and 2D symbologies. To read barcodes:

1. Start your processing software and open a new or existing file. Place the insertion point (or called cursor) where you want the data to be entered.
2. Press the Trigger button (P1) on your computer. (The button function is configured by G-Manager.)
3. Aim the scan beam at the barcode. (The scan beam projected from the lens varies with models.)

Adjust the lens' distance from the barcode, shorter for a smaller barcode and farther for a larger one.



NOTE: Improper ambient light and scanning angle can affect the scanning results.

4. Upon a successful scan, the system beeps and the decoded barcode data is entered.

Notes

The below label on the exterior of a model indicates that the barcode scanner supports the TraCS (Traffic and Criminal Software) trigger button. The TraCS feature is available

for customized orders only. If you have already purchased a standard model and require the TraCS feature, please contact Getac technical support for the purpose.



- Pulse repetition rate: 57.67 Hz
- Scan angle: 360° tilt; $\pm 60^\circ$ pitch; $\pm 60^\circ$ skew

CAUTION: Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

About Manufacture Date and Labels

See “Manufacture Date and Labels” in Appendix B for information.

Chapter 3

Managing Power

Your computer operates either on external AC power or on internal battery power.

This chapter tells you how you can effectively manage power. To maintain optimal battery performance, it is important that you use the battery in the proper way.

AC Adapter

CAUTION:

- The AC adapter is designed for use with your computer only. Connecting the AC adapter to another device can damage the adapter.
- The AC power cord supplied with your computer is for use in the country where you purchased your computer. If you plan to go overseas with the computer, consult your dealer for the appropriate power cord.
- When you disconnect the AC adapter, disconnect from the electrical outlet first and then from the computer. A reverse procedure may damage the AC adapter or computer.
- When unplugging the connector, always hold the plug head. Never pull on the cord.

The AC adapter serves as a converter from AC (Alternating Current) to DC (Direct Current) power because your computer runs on DC power, but an electrical outlet usually provides AC power. It also charges the battery pack when connected to AC power.

The adapter operates on any voltage in the range of 100-240 VAC.

Battery Pack

Your computer has two battery packs. The battery pack is the internal power source for the computer. It is rechargeable using the AC adapter.

CAUTION: Always keep both battery packs installed, especially when the computer is running on battery power. A battery pack can be removed only when it is not being charged/discharged or if you are hot-swapping the battery pack.

Charging the Battery Pack

NOTE:

- Charging will not start if the battery's temperature is outside the allowed range, which is between 0 °C (32 °F) and 50 °C (122 °F). Once the temperature meets the requirements, charging automatically resumes.
- For better charging efficiency, it is recommended to charge the battery in an ambient temperature below 40 °C (104 °F).
- During charging, do not disconnect the AC adapter before the battery has been fully charged; otherwise you will get a prematurely charged battery.
- The battery has a high temperature protection mechanism which limits the maximum charge of the battery to 80% of its total capacity in the event of high temperature conditions. In such conditions, the battery will be regarded as fully charged at 80% capacity.
- The battery level may automatically lessen due to the self-discharge process, even when the battery pack is fully charged. This happens no matter if the battery pack is installed in the computer.

To charge the battery pack, connect the AC adapter to the computer and an electrical outlet. The Battery Charge Indicator () on the computer glows amber to indicate that charging is in progress. You are advised to keep the computer power off while the battery is being charged. When the battery is fully charged, the Battery Charge Indicator glows green.

The two battery packs are charged in parallel. It takes approximately 5 hours to fully charge the two battery packs when the power is off and approximately 6 hours when the power is on (may need a longer charging time at lower temperatures).

CAUTION: After the computer has been fully recharged, do not immediately disconnect and reconnect the AC adapter to charge it again. Doing so may damage the battery.

Initializing the Battery Pack

You need to initialize a new battery pack before using it for the first time or when the actual operating time of a battery pack is much less than expected. Initializing is the process of fully charging, discharging, and then charging. It can take several hours.

The G-Manager program provides a tool called “Battery Recalibration” for the purpose. (See “錯誤! 找不到參照來源。” in Chapter 6.)

Checking the Battery Level

NOTE: Any battery level indication is an estimated result. The actual operating time can be different from the estimated time, depending on how you are using the computer.

The operating time of a fully charged battery pack depends on how you are using the computer. When your applications often access peripherals, you will experience a shorter operating time.

The two battery packs are discharged in parallel.

You can check the approximate battery level using the battery meter function of the operating system. To read the battery level in Windows, click the battery icon on the taskbar.

When the battery pack is not installed in the computer and you want to know the battery charge, you can press the push-button to see the number of LEDs that light up. Each LED represents 20% charge.

Battery Low Signals and Actions

The battery icon changes appearance to display the current state of the battery.

Battery Icon	Battery Level	Description
	Discharging	The icon shows the charge remaining in 10-percent increments until the charge reaches the low-battery level.
	Low	The battery charge has reached the low-battery level.
	Critically low	The battery charge has reached the critical battery level. By default, Windows will display a notification and put your computer into Hibernation.

When the battery is low, the computer’s Battery Charge Indicator () also blinks red to alert you to take actions.

Always respond to low-battery by connecting the AC adapter, placing your computer in Hibernation mode, or turning off the computer.

Replacing the Battery Pack

CAUTION:

- There is danger of explosion if the battery is incorrectly replaced. Replace the battery only with the computer manufacturer’s battery packs. Discard used batteries according to the dealer’s instructions.
- Do not attempt to disassemble the battery pack.
- A battery pack can get hot due to long working hours. Do not touch a hot battery pack with bare hands. After removing a battery pack, put it in a well-ventilated area.

NOTE:

- You can hot swap one battery pack while the other one is supplying the power. The appropriate temperature range for hot swapping the battery pack is between -21°C (-5.8 °F) and 45 °C (113 °F).
- If you have the high-capacity battery model, the battery pack looks different from the one shown here. The removal and installation method is the same.

To replace the battery pack, follow these steps:

1. Skip this step if you are hot swapping the battery pack.

Turn off the computer and disconnect the AC adapter. After turning off the computer, allow a cool-down time of at least 5 minutes before removing the battery pack.

2. Locate the battery pack you want to remove.

Slide the battery latch inwards (❶) and then toward the unlocked position (🔓) (❷). The battery pack will slightly pop up.



3. Remove the battery pack from the battery bay.



(Battery 1 as the example)

4. Fit another battery pack into place. With the battery pack correctly oriented, attach its connector side to the battery bay at an angle (❶) and then press down the other side (❷).



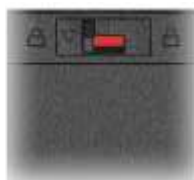
(Battery 1 as the example)

5. Slide the battery latch toward the locked position (🔒).

CAUTION: Make sure the battery latch is correctly locked, not revealing the underneath red part.



Correct



Incorrect
(revealing red part)

CAUTION: Make sure the battery latch is correctly locked, not revealing the underneath red part.

Power-Saving Tips

Aside from enabling your computer's power saving mode, you can do your part to maximize the battery's operating time by following these suggestions.

- Do not disable Power Management.
- Decrease the LCD brightness to the lowest comfortable level.
- Shorten the length of time before Windows turn off the display.
- When not using a connected device, disconnect it.
- Turn off the wireless radio if you are not using the wireless module (such as WLAN, Bluetooth, or WWAN).
- Turn off the computer when you are not using it.

Appendix B

Specifications

NOTE: Specifications are subject to change without any prior notice.

Parts		Specifications
CPU		Intel Arrow Lake H series i5/i7
BIOS		Insyde, UEFI, supporting TPM, vPro, NIST, Absolute DDS, SSD Security Erasure, BIOS self-diagnostics, Device Guard & Credential Guard, MAC pass through, ACPI, AMT12, WMI, and Modern Standby
RAM		8/16/32/64GB DDR5, SO-DIMM slot x 2
Video	Controller	UMA Intel® UHD Graphics or Intel® Iris® Xe Graphics (for models equipped with dual channel memory)
	Display panel	12.2-inch (16:10), FHD 1920x1080, dimmer mode, blackout mode, sunlight readable, 1000 Nits standard brightness, anti-glare
Touchscreen		Capacitive, multi-touch,10 points Digitizer (option)
Audio	Features	High Definition audio
	Speaker	Integrated × 2
	Microphone	Integrated × 2, Mic Array
Keyboard		Standard keys with numeric pad keys, 12 function keys, special Fn (Function) key and Windows keys (Windows Logo, Application, and Copilot), with water-proof membrane and backlight
Pointing device		Glide touchpad with multi-touch feature, capacitive type
Mass storage device		256GB/512GB/1TB/2TB SSD (solid-state drive), PCIe Gen4 interface, M.2 2280 form factor, user-removable
I/O ports	Standard	USB 3.2 Gen 2 × 2, USB-C Thunderbolt 4 × 2, HDMI 2.0, combo audio (4-pole TRRS 3.5mm type), RJ45, Docking, tri antenna pass-through (option)

Parts		Specifications
	Mutually-exclusive configurations	Select models have one of the below configurations: - Barcode scanner - USB 3.2 Gen 2 + RS-232 - MicroSD + USB 3.2 Gen 2
Card slot		Smart Card (option) MicroSD card (option)
LAN		Intel® i219-LM Gigabit Network Connection, 10/100/1000 Mbps Ethernet
Wireless LAN + Bluetooth		Intel® WiFi7 BE201 + Bluetooth 5.4 combo
WWAN (option)		4G LTE or 5G NR, dual SIM (Mini-SIM and eSIM), integrated GNSS
GPS/GLONASS (option)		Internal UART
Camera		Front: FHD 5MP, IR sensor (option) Rear (option): 13MP pixel, autofocus, LED, video capture
Barcode scanner (option)		1D and 2D
RFID reader/writer (option)		Contactless, HF, supporting ISO 14443A/B, MIFARE, ISO 15693, and ISO 18000-3
Security		Kensington lock TPM 2.0 Fingerprint scanner (option)
Power	AC adapter	Universal 65 W; input: 100-240 VAC, 50/60 Hz; output: 19 V
	Battery pack × 2	Standard: Lithium-ion Prismatic type, 2-cell
		High capacity (option): Lithium-ion Prismatic type, 3-cell
Dimension (L×W×D)		302 × 224 × 35.68 mm (11.89 × 8.82 × 1.40 inches)
Weight		2 kg (4.41 lb)
Environmental	Temperature*	Operating: -29 °C to 63 °C (-20 °F to 145 °F) Storage: -51 °C to 71 °C (-60 °F to 160 °F)
	Humidity	95% relative humidity, non-condensing
	Drop**	1.2 m (4 ft) drop resistant

Table Notes:

* When using the computer with AC power, a low temperature down to -29 °C (-20 °F) and the temperature range for MIL-STD-810 are supported. When using the computer with only battery power in a temperature down to -21 °C (-6 °F), it is advised that the system be booted in a warm environment, if possible, before being taken into an extreme cold environment for work.

** Drop test results vary with different computer configurations and also vary if optional accessories are attached.

Appendix C

Regulatory Information

This appendix provides regulatory statements and safety notices on your computer.

NOTE: Marking labels located on the exterior of your computer indicate the regulations that your model complies with. Please check the marking labels and refer to the corresponding statements in this appendix. Some notices apply to specific models only.

Safety Notices

About the Battery

If the battery is mishandled, it may cause fire, smoke or an explosion and the battery's functionality will be seriously damaged. The safety instructions listed below must be followed.

Danger

- Do not immerse the battery with liquid such as water, sea water or soda.
- Do not charge/discharge or place the battery in high-temperature (more than 80 °C / 176 °F) locations, such as near a fire, heater, in a car in direct sunlight, etc.
- Do not use unauthorized chargers.
- Do not force a reverse-charge or a reverse-connection.
- Do not connect the battery with AC plug (outlet) or car plugs.
- Do not adapt the battery to unspecified applications.
- Do not short circuit the battery.
- Do not drop or subject the battery to impacts.
- Do not penetrate with a nail or strike with a hammer.
- Do not directly solder the battery.
- Do not disassemble the battery.
- Keep the battery away from an extremely low air pressure environment as it may result in an explosion or the leakage of flammable liquid or gas.

Warning

- Keep the battery away from infants.
- Stop using the battery if there are noticeable abnormalities such as abnormal smell, heat, deformities, or discoloration.
- Stop charging if the charging process cannot be finished.

- In case of a leaking battery, keep the battery away from flames and do not touch it.
- Pack the battery tightly during transport.

Caution

- Do not use the battery where static electricity (more than 100V) exists that might damage the protection circuit of the battery.
- When children are using the system, parents or adults must ensure that they are using the system and battery correctly.
- Keep the battery away from flammable materials during charging and discharging.
- In case lead wires or metal objects come out from the battery, you must seal and insulate them completely.

Caution Texts Concerning Lithium Batteries

DANISH

ADVARSEL! Lithumbatteri – Eksplosionsfare ved fejlagtig håndtering. Udskiftning må kun ske med batteri af samme fabrikat og type. Levér det brugte batteri tilbage til leverandøren.

NORWEGIAN

ADVARSEL: Eksplosjonsfare ved feilaktig skifte av batteri. Benytt samme batteritype eller en tilsvarende type anbefalt av apparatfabrikanten. Brukte batterier kasseres i henhold til fabrikantens instruksjoner.

SWEDISH

VARNING: Explosionsfara vid felaktigt batteribyte. Använd samma batterityp eller en ekvivalent typ som rekommenderas av apparattillverkaren. Kassera använt batteri enligt fabrikantens instruktion.

FINNISH

VAROITUS: Paristo voi räjähtää, jos se on virheellisesti asennettu. Vaihda paristo ainoastaan valmistajan suosittelemaan tyyppiin. Hävitä käytetty paristo valmistajan ohjeiden mukaisesti.

ENGLISH

CAUTION: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the equipment manufacturer. Discard used batteries according to manufacturer's instructions.

DEUTSCH

VORSICHT: Explosionsgefahr bei unsachgemäßem Austausch der Batterie. Ersatz nur durch denselben oder einen vom Hersteller empfohlenen gleich-wertigen Typ. Entsorgung gebrauchter Batterien nach Angaben des Herstellers.

FRENCH

ATTENTION: Il y a danger d'explosion s'il y a remplacement incorrect de la batterie. Remplacer uniquement avec une batterie du même type ou d'un type équivalent recommandé par le constructeur. Mettre au rebut les batteries usagées conformément aux instructions du fabricant.

Attention (for USA Users)

The product that you have purchased contains a rechargeable battery. The battery is recyclable. At the end of its useful life, under various state and local laws, it may be illegal to dispose of this battery into the municipal waste stream. Check with your local solid waste officials for details in your area for recycling options or proper disposal.

Caution Texts Concerning Coin Batteries

 WARNING	
● INGESTION HAZARD: This product contains a button cell or coin battery. ● DEATH or serious injury can occur if ingested. ● A swallowed button cell or coin battery can cause Internal Chemical Burns in as little as 2 hours. ● KEEP new and used batteries OUT OF REACH of CHILDREN. ● Seek immediate medical attention if a battery is suspected to be swallowed or inserted inside any part of the body.	

- The coin battery is not user replaceable. It must be replaced by Getac authorized service centers.
- Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate.
- Even used batteries may cause severe injury or death.

- Call a local poison control center for treatment information.
- Battery type: CR2016
- Nominal battery voltage: 3 V
- Non-rechargeable batteries are not to be recharged.
- Do not force discharge, recharge, disassemble, heat above 60 °C (140 °F), or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.
- Ensure the batteries are installed correctly according to polarity (+ and -).
- Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.
- Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.
- Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.

About the AC Adapter

- Use only the AC adapter supplied with your computer. Use of another type of AC adapter will result in malfunction and/or danger.
- If a ground/earth pin attachment plug on the AC power cord is provided, always plug the cord into a grounded/earthed outlet. Do not disable ground/earth pin of the plug/cord.
- Do not use the adapter in a high moisture environment. Never touch the adapter when your hands or feet are wet.
- Allow adequate ventilation around the adapter when using it to operate the device or charge the battery. Do not cover the AC adapter with paper or other objects that will reduce cooling. Do not use the AC adapter while it is inside a carrying case.
- Connect the adapter to a proper power source. The voltage requirements are found on the product case and/or packaging.
- Do not use the adapter if the cord becomes damaged.

- Do not attempt to service the unit. There are no serviceable parts inside. Replace the unit if it is damaged or exposed to excess moisture.

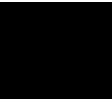
Heat Related Concerns

Your device may become very warm during normal use. It complies with the user-accessible surface temperature limits defined by the International Standards for Safety. Still, sustained contact with warm surfaces for long periods of time may cause discomfort or injury. To reduce potential heat-related concerns, follow these guidelines:

- Keep your device and its AC adapter in a well-ventilated area when in use or charging. Allow for adequate air circulation under and around the device.
- Use common sense to avoid situations where your skin is in contact with your device or its AC adapter when it's operating or connected to a power source. For example, don't sleep with your device or its AC adapter, or place it under a blanket or pillow, and avoid contact between your body and your device when the AC adapter is connected to a power source. Take special care if you have a physical condition that affects your ability to detect heat against the body.
- If your device is used for long periods, its surface can become very warm. While the temperature may not feel hot to the touch, if you maintain physical contact with the device for a long time, for example if you rest the device on your lap, your skin might suffer a low-heat injury.
- If your device is on your lap and gets uncomfortably warm, remove it from your lap and place it on a stable work surface.
- Never place your device or AC adapter on furniture or any other surface that might be marred by exposure to heat since the base of your device and the surface of the AC adaptor may increase in temperature during normal use.

North America

USA



Company name	Getac Inc.
Address	15495 Sand Canyon Rd., Suite 350 Irvine, CA 92618 USA
Phone	+1-949-681-2900

Federal Communications Commission Radio Frequency Interference Statement

NOTE:

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.

Any changes or modifications not expressly approved by the manufacturer could void the user’s authority to operate the equipment.

Please note:

The use of a non-shielded interface cable with this equipment is prohibited.

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.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

FCC RF Exposure Information

The product comply with the FCC portable RF exposure limit set forth for an uncontrolled environment and are safe for intended operation as described in this manual. The further RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available.

Transmitters in the 5.925-7.125 GHz band are prohibited from operating to control or communicate with unmanned aircraft systems.

This device meets all the other requirements specified in Part 15E, Section 15.407 of the FCC Rules.

ANSI Warning

Equipment approved for ANSI/UL121201 and CSA C22.2 No. 213, Nonincendive Electrical Equipment for use in Class I, Division 2, Group A, B, C, and D.

Ambient temperature: -21°C to 50°C

EXPLOSION HAZARD WARNINGS:

- External connections/hubs through the connectors as mentioned (power jack, HDMI port, USB ports, USB Type C port, RJ45 port, RS-232 port, audio port, smart card slot, antenna pass-through, dock port, etc.) are **NOT** to be used in a hazardous location. When used with a docking station (such as the office dock or vehicle dock), the docking/undocking of the equipment must be conducted outside the hazardous area. Docking/undocking in a hazardous area is prohibited.
- The notebook is to be only powered from the battery pack while in hazardous locations. Power adapter is **NOT** certified to use in hazardous locations and **NOT** to be used in hazardous locations.
- The battery must only be changed in an area known to be non-hazardous.

- **DO NOT** disconnect equipment unless power has been switched off or the area is known to be non-hazardous.
- **DO NOT** remove or replace a user-removable item (such as the battery pack, smart card, etc.) while the circuit is live unless the area is free of ignitable concentrations.
- Replace the battery with battery model **BP3S1P2100-S**, manufactured by Getac Technology Corporation only. Use of another battery may present a risk of fire or explosion.

California Proposition 65

For California USA:

Proposition 65, a California law, requires warnings to be provided to California consumers when they might be exposed to chemical(s) identified by Proposition 65 as causing cancer and birth defects or other reproductive harm.

Almost all electronic products contain 1 or more of the chemicals listed under Proposition 65. This does not mean the products pose a significant risk of exposure. As the consumers have the right to know about the products they purchase, we are giving this warning on our packaging and user manual to keep our consumers well informed.



WARNING

This product can expose you to chemicals including lead, TBBPA or formaldehyde, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Canada

Canadian ICES-003

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

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions: (1) This device may not cause

interference. (2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans 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; 2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

The device could automatically discontinue transmission in case of absence of information to transmit, or operational failure. Note that this is not intended to prohibit transmission of control or signaling information or the use of repetitive codes where required by the technology.

L'appareil peut interrompre automatiquement la transmission en cas d'absence d'informations à transmettre ou de panne opérationnelle. Notez que ceci n'est pas destiné à interdire la transmission d'informations de contrôle ou de signalisation ou l'utilisation de codes répétitifs lorsque cela est requis par la technologie.

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.

l'appareil fonctionnant dans la bande 5150-5250 MHz est réservé à une utilisation en intérieur afin de réduire les risques de brouillage préjudiciable pour les systèmes mobiles par satellite dans le même canal.

Radiation Exposure Statement:

The product comply with the Canada portable RF exposure limit set forth for an uncontrolled environment and are safe for intended operation as described in this manual. The further RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available.

Déclaration d'exposition aux radiations:

Le produit est conforme aux limites d'exposition pour les appareils portables RF pour les Etats-Unis et le Canada établies pour un environnement non contrôlé.

Le produit est sûr pour un fonctionnement tel que décrit dans ce manuel. La réduction aux expositions RF peut être augmentée si l'appareil peut être conservé aussi loin que possible du corps de l'utilisateur ou que le dispositif est réglé sur la puissance de sortie la plus faible si une telle fonction est disponible.

Devices shall not be used for control of or communications with unmanned aircraft systems.

Devices shall not be used on oil platforms.

Devices shall not be used on aircraft, except for the low-power indoor access points, indoor subordinate devices, low-power client devices, and very low-power devices operating in the 5925-6425 MHz band, that may be used on large aircraft as defined in the Canadian Aviation Regulations, while flying above 3,048 metres (10,000 feet).

Devices shall not be used on automobiles

Devices shall not be used on trains.

Devices shall not be used on maritime vessels.

Les dispositifs ne doivent pas être utilisés pour commander des systèmes d'aéronef sans pilote ni pour communiquer avec de tels systèmes;

Les dispositifs ne doivent pas être utilisés sur les plateformes de forage pétrolier;

Les dispositifs ne doivent pas être utilisés dans les aéronefs, à l'exception des points d'accès intérieurs de faible puissance, des dispositifs subordonnés intérieurs, des dispositifs clients de faible puissance et des dispositifs de très faible puissance fonctionnant dans la bande de 5 925 à 6 425 MHz, qui peuvent être utilisés dans les gros aéronefs tel qu'il est défini dans le Règlement de l'aviation canadien, et ce, lorsqu'ils volent à une altitude supérieure à 3 048 mètres (10 000 pieds).

Les dispositifs ne doivent pas être utilisés dans les automobiles;

Les dispositifs ne doivent pas être utilisés dans les trains;

Les dispositifs ne doivent pas être utilisés sur les navires maritimes.

User Notification of Take-back Service

To customers in United States and Canada:

Getac believes in providing our customers with easy-to-use solutions to recycle your Getac-brand products for free. Getac understands the customers will likely be recycling multiple items at once and as such. Getac wants to make the recycling process for these larger shipments as streamlined as possible. Getac works with recycling vendors with the highest standards for protecting our environment, ensuring worker safety, and complying with global environmental laws. Our commitment to recycling our old equipment grows out of our work to protect the environment in many ways. For more information, see the Getac Web site at <https://www.getac.com/us/environmental-certifications/>.

Please see the product type below for information on Getac product, battery and packaging recycling in USA and Canada.

- For Product Recycling:
If you have a Getac computer that needs to go to a recycling house, Getac can help you. Just contact us at (866) 394 – 3822 or by email at GUSA.RecycleProgram@getac.com to obtain a prepaid shipping label at no charge to you, pack up your equipment in a box of your choice and send it off.
- For Battery Recycling:
The batteries used to power your portable Getac products contain hazardous materials. While they pose no risk to you during normal use, they should never be disposed with other wastes. Getac provides a free take-back service for recycling your batteries from Getac products. To recycle the battery, please contact us at (866) 394 – 3822 or by email at GUSA.RecycleProgram@getac.com.
- For Packaging Recycling:
Getac has chosen the packaging materials used to transport our products carefully, to balance the requirements of shipping the product to you safely while minimizing the amount of material used. Our packaging for notebooks and tablets is recyclable and manufactured using elemental chlorine-free processes. They contain 90 percent (by weight) recycled content. Your packaging materials can be recycled at your local recycling center. Or, if you would like Getac to recycle your packaging, please contact us at (866) 394 – 3822 and we will make arrangements for you.

If you have the above for recycling, please visit our website <https://www.getac.com/us/environmental-certifications/>

Europe Marking and Compliance Notices



Company name	Getac Technology GmbH.
Address	Kanzlerstrasse 4 40472 Dusseldorf, Germany
Phone	+49 (0) 211-984819-0



Company name	Getac UK Ltd.
Address	Getac House, Stafford Park 12, Telford, Shropshire, TF3 3BJ, UK
Phone	+44 (0) 1952-207-222

Statements of Compliance

English

Getac hereby declares that this product complies with the EU Directive 2014/53/EU. The full text of the EU declaration of conformity is available at:

<https://support.getac.com/Portal/Page/809>

Deutsch

Getac erklärt hiermit, dass Gerät mit den grundlegenden Anforderungen und anderen relevanten Bestimmungen der Richtlinie 2014/53/EU übereinstimmt. Der gesamte Text der EU Konformitätserklärung ist verfügbar unter:

<https://support.getac.com/Portal/Page/846>

Español

Por la presente, Getac declara que el producto cumple con la Directiva de la UE 2014/53/UE. El texto completo de la declaración UE de conformidad se encuentra a continuación.

<https://support.getac.com/Portal/Page/866>

Français

Getac déclare par la présente que cet appareil est conforme aux critères essentiels et autres clauses pertinentes de la directive 2014/53/EU. La déclaration de conformité de l'UE peut être téléchargée à partir du site internet suivant :

<https://support.getac.com/Portal/Page/879>

Italiano

Getac con la presente dichiara che questo dispositivo è conforme ai requisiti essenziali e alle altre disposizioni pertinenti con la direttiva 2014/53/EU. Il testo completo della dichiarazione di conformità UE è disponibile all'indirizzo:

<https://support.getac.com/Portal/Page/892>

Notices

Max power:

WLAN 2.4G: 19.3 dBm

WLAN 5G: 17.45dBm

WLAN 5G B4: 11.17dBm

WLAN 6G: 17.22 dBm

BT: 11.23 dBm

RFID: -9.01 dBuA/m at 10m

Digitizer: -20.44 dBuA/m at 10m

WWAN: 22.78 dBm(for WWAN SKU only)

WCDMA	B1, B8
LTE	B1, B3, B7, B8, B20, B28, B34, B38, B40, B42, B43
5G NR	N1, n3, n7, n8, n20, n28, n38, n40, n41, n75, n76, n77, n78

The device is restricted to indoor use only when operating in the 5150 to 5350 MHz frequency range.

	BE	BG	CZ	DK	DE	EE
	IE	EL	ES	FR	HR	IT
	CY	LV	LT	LU	HU	MT
	NL	AT	PL	PT	RO	SI
	SK	FI	SE	NO	IS	LI
	CH	TR	UK (NI)			

Restriction or Requirement in the UK: 5150 to 5350 MHz indoor-use only.



 	Waste Electrical and Electronic Equipment (WEEE) This symbol means that according to local laws and regulations your product shall be disposed of separately from household waste. When this product reaches its end of life, take it to a collection point designated by local authorities. Proper recycling of your product will protect human health and the environment.
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	Battery Directive — Information for Users In the European Union, this label indicates that the batteries in this product should be collected separately and not be disposed of with household waste. Substances in batteries can have a potential impact on health and environment and you have a role in recycling waste batteries thus contributing to the protection, preservation, and improvement of the quality of the environment.
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Restriction of Hazardous Substances (RoHS) Directive

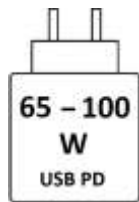
EU RoHS

Getac products meet the requirements of Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment. For more information about RoHS, go to: <https://www.getac.com/us/environment/>

Declaration of Conformity

See the CE/UK Declaration of Conformity document supplied in the package of your product.

About USB Power Delivery



Wattage for charging:
Minimum 65 W
Maximum 100 W

ENERGY STAR



ENERGY STAR® is a government program that offers businesses and consumers energy-efficient solutions, making it easy to save money while protecting the environment for future generations.

Please reference ENERGY STAR® related information from <http://www.energystar.gov>.

As an ENERGY STAR® Partner, Getac Technology Corporation has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

All Getac products with ENERGY STAR® logo comply with the ENERGY STAR® standard, and the power management feature is enabled by default. Getac's ENERGY STAR® qualified products are listed on the EPA website.

<https://www.energystar.gov/products>

About Battery and External Enclosure Replacement

Battery

The batteries of your product include two battery packs and a button cell (or called RTC battery). All batteries are available from Getac authorized service centers.

The battery pack is user-replaceable. Replacement instructions can be found in “Replacing the Battery Pack” in Chapter 3.

The button cell must be replaced by Getac authorized service centers.

Visit the website at <http://us.getac.com/support/support-select.html> for authorized service center information.

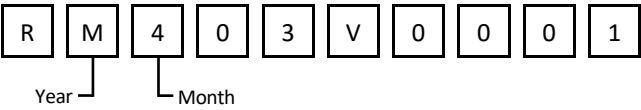
External Enclosure

The external enclosure of the product can be removed using screwdrivers. The external enclosure can then be reused or refurbished.

Manufacture Date and Labels

The manufacture date is identified by the second and third digits of the product’s serial number.

Example:



Code	Year
M	2021
N	2022
P	2023
Q	2024
R	2025
S	2026
T	2027
U	2028
V	2029
W	2030
X	2031
Y	2032

Code	Month
1	Jan.
2	Feb.
3	Mar.
4	Apr.
5	May
6	Jun.
7	Jul.
8	Aug.
9	Sep.
A	Oct.
B	Nov.
C	Dec.

See the next page for the label information.