



T152C/ T112C Touch Monitor User Manual

V240927



How-to Videos

Notices, Cautions & Warranty Exclusions

Warning: The sign alerts you to potential hazards that can hurt you or damage the product.

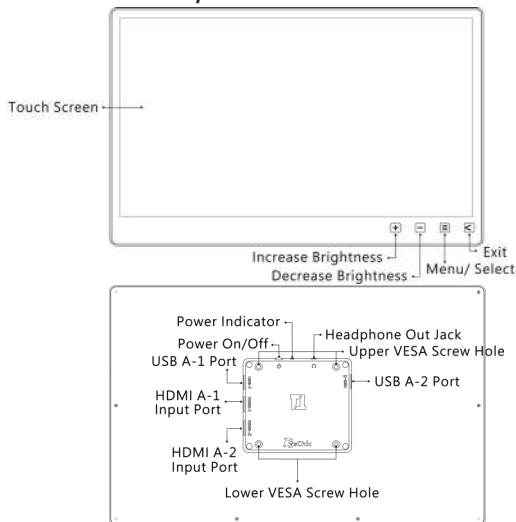
-  1. Use only the power supply and power cord that comes with the monitor. Using other power adapter may cause malfunction or danger.
-  2. It is recommended to use the monitor in a well-ventilated environment at room temperature around 0° to 40° and humidity around 45% to 85%. The monitor should display continuously changing images rather than the same and a still image for a long time. If you need to use this monitor in an abnormal environment such as high temperature, high humidity, confined space, low atmospheric pressure, etc., please contact GeChic customer service center for further advice on operating environment.
-  3. When plugging in/out the cables, do make sure the force exerts in horizontal direction. DO NOT shake the port or plug it in vertical direction. Any damage caused by wrong plugging is excluded from the warranty coverage.
-  4. Cleaning the Monitor: Turn off the power and unplug the power cable before cleaning. Please use a soft cloth to clean the touch screen. If stains adhere to the surface, wipe with water or neutral detergents and remove the mist remained with dry cloth. **Do not use corrosive acidic/alkaline solvents or detergents, as these solvents may cause permanent damage to the screen or leave non-removable stains.**
-  5. Do not expose the LCD panel to sunlight.
-  6. The product is not waterproof. Do not use this product in or near water.
-  7. Do not insert any object into the Product's slots or gaps. Do not disassemble the monitor in any way.
-  8. **Do not use a volume that may cause damage to the hearing; when connecting headphones to use, please lower the volume setting first. Slowly adjust to the appropriate volume, do not wear headphones for long, continuous, high volume to avoid hearing damage.**
-  9. Overuse of the monitor may result in vision damage. For every 30 minutes with the monitor, give your eyes 10 minutes break. Avoid children under aged 2 watching the monitor; prevent children over aged 2 from watching with the monitor over 1 hour per day.
- 10. Exclusions from Warranty Service
Please read the warranty terms below carefully, and follow the usage guide and precautionary notes. Please keep this manual for future reference. GeChic does not warrant uninterrupted or error-free operation of this Product. The warranty only covers failure /malfunction under normal use conditions during warranty period. The warranty does not apply to the following conditions:
 - ① The bar code has been removed or worn down, and cannot be identified.
 - ② This product has been modified, disassembled, or refitted.
 - ③ Display and touch function working normally; only variation in appearance (e.g., ageing, attrition, scratch, color changing and etc.).
 - ④ Any breakdown caused by power supply. (e.g., inputting power over 5V or unsteady current)
 - ⑤ Any damage caused by disoperation or failure to follow this manual. (e.g., Plug or unplug cables in wrong direction and causing damage on cables or the monitor.)
 - ⑥ Any damage caused by hitting or cracking monitor accidentally or purposely, or collapsing or overturning monitor.

LCD Pixel Statement

There is slightly uneven brightness on the screen when displaying different screen pattern. The LCD screen has 99.99% or more effective pixels. 0.01% of pixels or less may not light or may light incorrectly. The monitor uses a high quality LCD panel. Nevertheless, pixels on the LCD screen may not light or appear as red or black dots. All the above are normal with the LCD monitor and will not affect the normal usage of the product. Avoid placing the monitor against sunlight, or it may damage the monitor.

Monitor Parts Description

● Monitor Parts and I/O Ports



● OSD Light Instruction

It shows **green light** when the monitor is "On" and shows **red light** when the monitor is standby. There is no light when the monitor is "Off".

● OSD HotKeys

	Power	Press once to turn on the monitor and press again to turn off the monitor. Reset: Press and hold for 5 seconds to reset the OSD settings to default.
	Exit	Press this button to show "Input Source" and then press  to switch the input sources. When using the OSD menu, press this button to return to previous page.
	Menu/ Select	Press this button to launch OSD panel. When using OSD menu, press this button to select and enter the next page.
	Increase Brightness/ Up	Press this button to show "Brightness bar". Press and hold this button to increase the brightness continuously. In the OSD menu, press this button to move up or the left.
	Decrease Brightness/ Down	Press this button to show "Brightness bar". Press and hold this button to decrease the brightness continuously. In the OSD menu, press this button to move down or to the right.
	OSD Menu Unlock	Press both "Up" and "Down" buttons at the same time to release "OSD Menu Lock" and enable the functions of OSD buttons.

Accessories Description

HDMI-A Video Cable(1.5m) × 1



USB-A Power & Touch Signal Cable
(1.5m) × 1



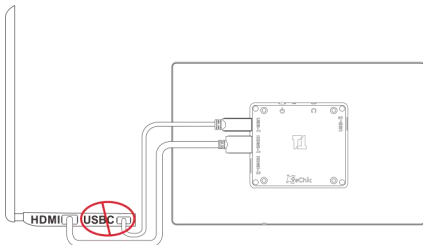
Optional Accessories

Optional Accessories	Description
USB-A Power & Touch Signal Cable(2.5m)	Connect the two USB-A male plug to two USB-A ports on the computer. On the other end, insert the USB-A connector into the monitor's USB-1 port to transfer power and touch signals.
HDMI-A Video Cable(2.5m)	Connect one end of the cable to the T1 monitor and the other end to the computer to transmit HDMI video signals.
5V Power Adapter Set (USB-A cable included)	Connect the USB-A(dual) main plug of the power cable to the 5V adapter. Insert the other USB-A plug into the USB-2 port on the T1 monitor.
TIS5 Swivel Stand	Supports T1 monitor horizontal and vertical display, with 360° rotating base and adjustable height and angle.

USB Power Connection Precautions

⚠Attention! When powering the monitor from a computer, the computer's power supply must have an output wattage that exceeds the computer's power consumption by at least 10W to 11W to ensure that the computer's USB-A port can provide sufficient power for the monitor.

⚠Attention! The USB-C port of the PC is incompatible with the USB-A port of the monitor, and therefore, the USB-C port of the PC does NOT supply power to the USB-A port of the monitor. Please use the USB-A power and touch signal cable provided with this product to connect to the USB-A port of the PC.

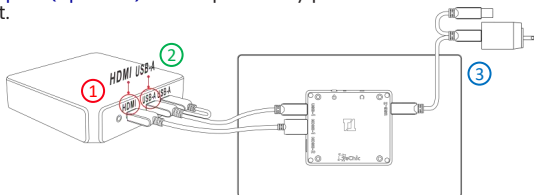


Connect to One Computer

❗ Notice! The power requirement of this monitor is 5V 1.8A, so one USB-A port of the computer must output 5V 0.9A current.

❗ Notice: When inputting video through the HDMI-1 port, it is necessary to connect a USB cable to the USB-1 port, or the touchscreen function will not work.

- ① Connect [HDMI-A Video Cable](#) to the computer and [HDMI-1](#) port of the monitor for video signal. ② Connect the dual USB-A plugs of [USB-A Power & Touch Signal Cable](#) to two USB-A ports on the computer and insert the USB-A plug into [USB-1](#) port on the monitor to transfer power and touch signals. ③ If the two USB-A ports on the computer cannot supply sufficient power, please use an additional [USB-A Power & Touch Signal Cable \(optional\)](#) and a [5V 2A Power Adapter \(optional\)](#) to independently power the monitor through its [USB-2](#) port.

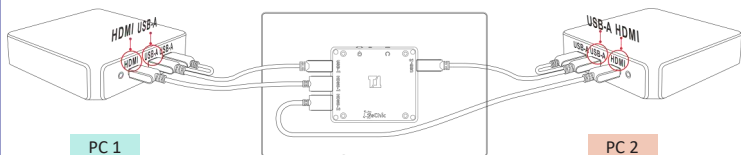


Connect to Two Computers

❗ Notice! The power requirement of this monitor is 5V 1.8A, so one USB-A port of the computer must output 5V 0.9A current.

❗ When connecting to two computers, please use additional optional HDMI-A Video Cable and USB-A Power & Touch Signal Cable.

- ① Connect one [HDMI-A Video Cable](#) to PC 1 and [HDMI-1](#) port of the monitor. Connect the dual USB-A plugs of [USB-A Power & Touch Signal Cable](#) to two USB-A ports on the PC 1 and insert the USB-A plug into [USB-1](#) port of the monitor.
- ② Connect the other [HDMI-A Video Cable](#) to PC 2 and [HDMI-2](#) port of the monitor. Connect the dual USB-A plugs of the other [USB-A Power & Touch Signal Cable](#) to two USB-A ports on the PC 2 and insert the USB-C plug into [USB-2](#) port of the monitor.

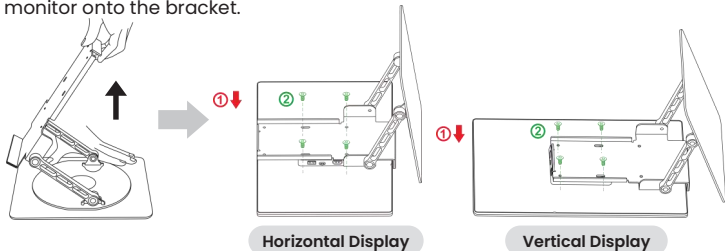


The monitor can only display the image from one PC. Press  to switch input sources between **HDMI-1** and **HDMI-2**. When HDMI-1 is selected, the monitor will display the image from PC 1; also, the touch signal is transmitted to PC 1.

Use T1S5 Swivel Stand (Optional)

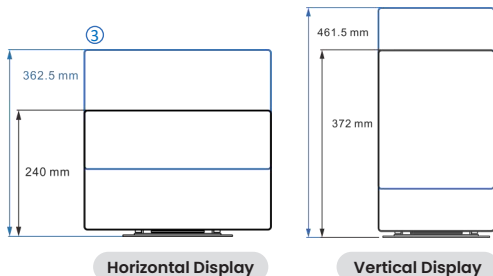
1. Set Up the Stand

① Spread a sponge pad or soft mat on the desktop and then gently put T1 monitor on the pad with the panel side downward. ② Align the four VESA 75 holes of the bracket with the screw holes on the monitor, and then secure the monitor onto the bracket.



2. Erect the Monitor

③ Stand the monitor up on the desktop. It is suggested the user faces the short side (21.3cm) of the stand base to keep the stand stable when adjusting the tilt angles.



⚠ Warning! When adjusting the monitor's angle, please ensure its center of gravity remains within the turntable range to prevent tilting during use or touch operations.

❗ Notice! For safe use, please ensure the stability of the stand after adjustment to prevent tipping over due to touch operations.

❗ If the bottom of the bracket is lower than the base, rotating the monitor may collide with the stand base, hindering rotation. It is recommended that the height of the bracket from the desktop be at least 12mm.

Power on, Standby and Power off Status

1. When the monitor is connected to power, it will automatically boot up and enter the "ON" state.
2. If there is no image input, the monitor will enter "Standby" status after 8 seconds. After 270 seconds in standby, it will automatically switch off. To remain in standby even without any image input, please enter OSD Menu, select "No" under Advanced Settings > Auto Power Off. The monitor will remain in standby status and won't turn off automatically.
3. In Standby status, once there is any image input, the monitor will switch to "ON" status and display the image.
4. In "On" or "Standby" status, press the power button will turn off the monitor and press the power button again to turn it on.

OSD Menu Description

Notice! The OSD menu cannot be directly operated through the touchscreen glass. Please use the 4 buttons under the monitor to control the operation.

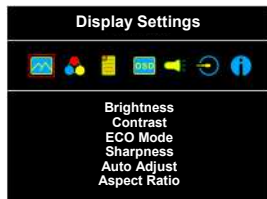
i When turning on monitor at the first time, the "Language Select" menu appears. Please press "Menu/Select" button to choose a language. If no one is selected, the system will be set as English for default.



1. Display Settings

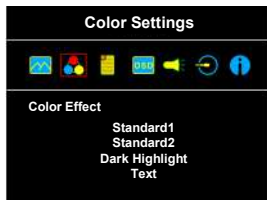
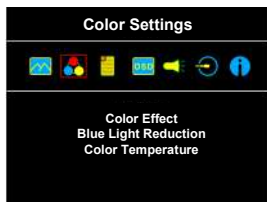
As shown in the Fig., enter "Display Settings" to adjust "Brightness", "Contrast", "Sharpness", etc.

- 1) ECO Mode: The maximum brightness is at 50 in ECO Mode.
- 2) Auto Adjust: Launch "Auto Contrast Adjust" and "Auto Brightness Adjust" to adjust brightness and contrast automatically to ensure the highest quality when displaying moving images.
- 3) Aspect Ratio: When "Full Screen(16:9)" is selected, the monitor displays a 16:9 image in full screen. When "Original" is selected, the monitor displays the image in its original size. When "4:3" is selected, the monitor displays a 4:3 image with left- & right-side black borders to fill the 16:9 screen.



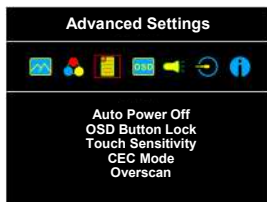
2. Color Settings

- 1) Color Effect: If the output format of computer image is RGB Limited, it is recommended to select "Standard 1"; if it is RGB Full format, it is recommended to select "Standard 2". Select "Dark Highlight" mode to brighten up dark areas; select "Text" mode to make HTML text clearer.
- 2) Blue Light Reduction: Select "On" to reduce the screen's blue light automatically.
- 3) Color Temperature: Select "Cool" to increase the blue color of the image; select "Warm" to increase the red color of the image. Select "User" to adjust the RGB color settings manually.



3. Advanced Settings

- 1) Auto Power Off: Select "Yes" to activate this function. When there is no image input, the monitor will enter Standby mode, and power off itself after 270 seconds. The power button shall be pressed to turn on the monitor again. Select "No" to disable this function. The monitor will remain in standby mode and will not switch off the power.
- 2) OSD Button Lock: If "On" is selected, the four OSD buttons are disabled. Press and hold the power button for 5 seconds, the monitor will restore factory settings and enable the four OSD buttons again. (Hot-Key: Pressing **+****-** two buttons at the same time will release OSD Button Lock and enable the OSD buttons)
- 3) Touch Sensitivity: Two touch sensitivity values are available. The default value is "0". The highest sensitivity is "100".

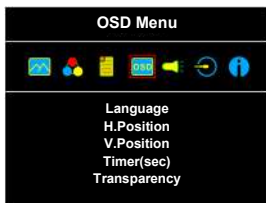


⚠ Caution: The change of magnetic field in surroundings may cause a wrong recognition of touchscreen. If the cursor keeps moving itself without touch, please reset "0" for touch sensitivity.

- 4) CEC Mode: Select "On" and the HDMI of monitor is connected to a computer with HDMI CEC function. When you turn on/off the monitor, it commands the computer to turn on/off automatically. When you turn off the computer, the monitor will be turned off as well. However, when the monitor is off-mode, it can't be turned on automatically. You need to turn the monitor on by pressing its power button.
- 5) Overscan: Only applicable to HDMI video signal input (such as 1080P/720P, etc.). Enabling this function will calibrate the display range automatically.

4. OSD Menu

- 1) Language: Change to the other language.
- 2) H. Position: Move the OSD menu left/right.
- 3) V. Position: Move the OSD menu up/down
- 4) Timer(sec): Adjust the idle time before OSD menu disappears.
- 5) Transparency: Make the OSD menu transparent to show the background.

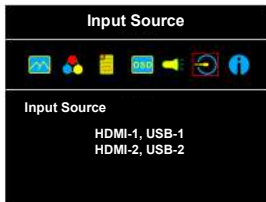
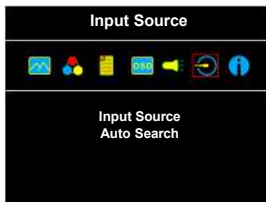


5. Audio

Adjust the audio volume or activate the mute mode. When "On" is selected for "Mute", the monitor stops playing audio and the sound can be played again only when "Mute" mode is turned off.

6. Input Source

- 1) Input Source: Select **HDMI-1, USB-1** (video input via HDMI-1 port and touch signal via USB-1 port) or **HDMI-2, USB-2** (video input via HDMI-2 port and touch signal via USB-2 port).
- 2) Auto Search: When "On" is selected, the monitor will detect two video input sources in sequence, and the monitor will show the first video input read. When "Off" is selected, only the video source selected in Input Source will be displayed. If there is no such selected video input, the monitor will show "No signal" warning message, and won't detect other video sources.



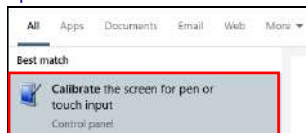
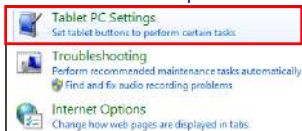
7. Information

Show frequency of the input image, model name, firmware version, etc.

- 1) Reset: Select "Yes" to restore factory settings.

Multi-Monitor and Touch Monitor Settings (Windows 11/ 10/ 7)

If the computer does not activate touchscreen function automatically or the monitor doesn't sense touch position accurately, please use "Tablet PC Settings" in Windows 7 "Control Panel" to start touch screen setting. In Windows 11/ 10, search for "Calibrate" in the "Settings" and select "Calibrate the screen for pen or touch input".



As shown in the figure, please click "Setup". When the on-screen instruction is shown on TI monitor, touch TI screen to complete the touch screen setting.

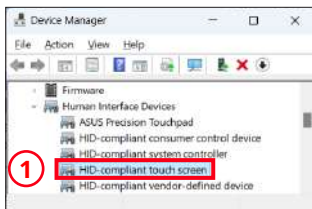


Not to Turn off the Power of USB Device Automatically on Windows 11/ 10

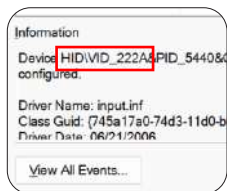
When the Windows 11/10 PC enters Sleep mode, the PC will turn off the power of USB device automatically. If touch screen function is disabled, after the PC wakes up from sleep mode, it's recommended to set the PC not to turn off the power of USB devices automatically. Please open [Device Manager]:



Unfold [Human Interface Devices], find [HID-compliant touch screen], and **double click** to open "Properties" windows. Click "Power Management" and **disable** "Allow the computer to turn off this device to save power", and click OK.



If there are several HID-compliant touch screen, please click “Events” and check the VID number under “Information”. The VID number should be 222A.



Touch Operation and Touch Sensitivity Setup

● Use the touch Stylus

The touch monitor does not support the proprietary active styluses of other tablet PCs or smartphones.

1. Passive Touch Stylus: T1 series touch monitor supports passive touch pens with conductive rubber tip or plastic disc larger than **6mm** in diameter.
2. Active Touch Stylus: Stylus on the market are not identical in the magnetic flux. T1 monitor only supports some active touch styluses with sufficient electromagnetic induction. (e.g., Adonit® Dash 3, Adonit® Neo Duo).

● Touch with PVC Gloves or Wet Finger

T1 monitor supports finger touch with PVC latex gloves. Glove thickness less than **1mm** is recommended. T1 monitor works with wet fingers (without any water drop on the surface).

● Increase the Touch Sensitivity

While wearing with gloves or touching through cover glass, the user may not be able to operate the touch screen well due to insufficient electromagnetic induction. Please set the touch sensitivity as “100”.

⚠ Notice: If adding cover glass on the T1 touch monitor for integrated design, the cover glass thickness shall be less than 5mm and there is no gap between the cover glass and touch screen.

Troubleshooting of Touchscreen Malfunctions

1. When booting up the monitor, excessive static electricity or hands on the glass surface will affect the touch screen function. Please remove the static electricity and reboot the monitor again.
2. Please keep the touch monitor away from light bulbs and other objects that generate strong electromagnetic fields, which may trigger ghost touch reaction.
3. This product adopts “Projected Capacitive Touchscreen Panel”. The contact of metal and glass surface may cause false touch reaction.
4. If the monitor needs to be installed inside a metal casing, please avoid direct contact between the casing and the glass sensing area. As shown in the figure, it is recommended to use **3mm to 5mm thick non-conductive foam** to insulate the metal casing from the touchscreen glass, preventing incorrect touch responses.



Touchscreen Settings and Precautions

● Whether Your Operation System Supports External Touch Monitor

T1 series touch monitors comply with Microsoft® multi-touch protocol. No driver installation is required for Windows 11/ 10 / 7 computer to use T1 touch monitor. If your computer is running Linux, Ubuntu or Chrome OS, please consult your computer manufacturer whether the computer is enabled to support "Microsoft Multi-touch protocol". If the protocol is supported, you can use T1 series touch monitor.

Operation System	External Touch Monitor Support (via USB port)
Apple Mac OS	Not supported (e.g., Apple® iMac, MacBook series computers)
Apple iOS	Not supported (e.g., Apple®, iPhone series smartphone)
Windows11/ Windows10/ Windows7	Supported
Windows Embedded Standard 7(SKU-P)	Supported
WinCE 6.0/ WinCE 7.0/Windows XP	Not Supported
Linux	Linux Kernel 3.8 onwards supports Microsoft Multi-Touch Protocol compliant touch screens. Please check with your computer manufacturer to confirm if this function is enabled.
Chrome OS	Linux Kernel 3.9 onwards supports Chrome OS. Please check with your computer manufacturer to confirm if this function is enabled.
Ubuntu	Ubuntu Kernel 2.6 onwards supports Microsoft Multi-Touch Protocol compliant touch screens. Please check with your computer manufacturer to confirm if this function is enabled.

Supported Video Modes

1920x1080P 50Hz/59.94Hz/60Hz

1280x720P 50Hz/59.94Hz/60Hz

720x480P 59.94/60Hz

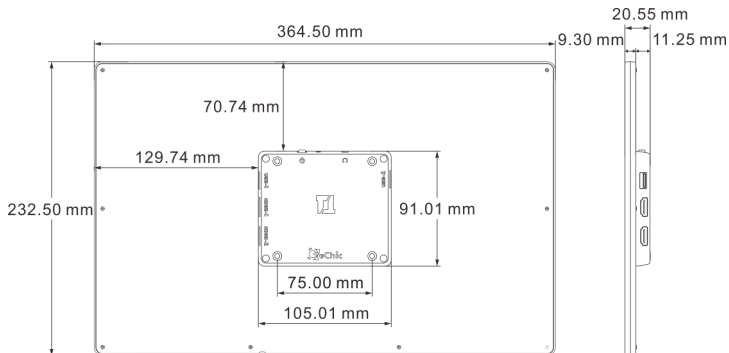
640x480P 59.94/60Hz

General Specification

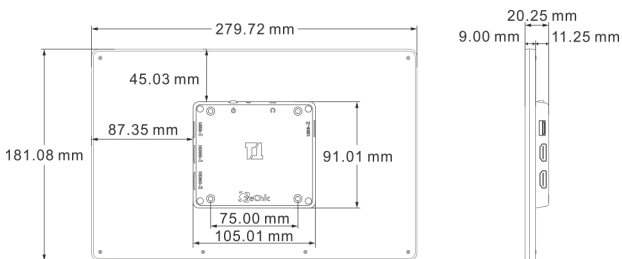
Spec	T152C	T112C
Panel	Wide Screen 15.6 inch(16:9)	Wide Screen 11.6-inch(16:9)
True Resolution	1920x1080	
Color Depth	16.2M Colors	
Brightness/ Contrast (Typical)	250 (cd/m ²)/ 700:1	300 (cd/m ²)/ 1000:1
Viewing Angle	170°(H)/170°(V)(CR>10)	
Touch Technology	Projected Capacitive Touch Screen; Support 10-point touch inputs recognition	
Screen Hardness & Thickness	Panel surface hardness ≥ 7H; Thickness 1.1mm	Panel surface hardness ≥ 7H; Thickness 1.1mm
Screen Coating	Clear and A.F. (anti-fingerprint coating)	
Video Input	HDMI-A (HDMI v1.4) ×2, HDCP Compliant	
Supported Display Modes	Horizontal Frequency: 29.8KHz~67.5KHz; Vertical Frequency: 50Hz~60Hz	
Audio Output	Earphone Jack(3.5mm mini jack) ×1 (support analog 3.5mm AUX)	
USB-A Port (Upstream)	USB-A×2(Power Delivery: 5V DC Input) (USB 2.0)	
Supported Computer OS	Support Windows 11/10/7, Linux, Ubuntu, Chrome OS, Raspberry Pi, etc. (If the Linux version doesn't have touchscreen function enabled, please con- tact the system vendor to activate the "HID multi -touch panels" functionality.)	
Power Consumption	7.0W	6.0W
Power Consumption Standby Mode	≤ 1.0W	≤ 1.0W
Power Consumption Off Mode	≤ 0.2W	≤ 0.2W
Rating Voltage (Typical)	5V  1.4A	5V  1.2A
VESA Support	VESA75 (75mm×75mm)	
Environment Conditions	Operation: 0~50°C; Storage: -20~60°C	
Dimension (W × L × D)(mm)	364.50×232.50×20.55	279.72×181.08×20.25
Weight (Typical)	1296g	788g
Country of Origin	Made in Taiwan	
Certifications	     	

● Monitor Dimension

T152C



T112C



i To request the drawing of the monitor's dimension and product EOL notifications, please write to : service@gechic.com

Troubleshooting

Problem	Solution
The computer is connected with multiple monitors. When touching T1 monitor, the cursor appears on another monitor.	Please refer to "Multi-Monitor and Touch Monitor Settings (Windows 11/ 10/ 7)". Enter "Tablet PC Settings" in Windows "Control Panel" to start touch monitor settings.
When my PC wakes up from Sleep mode, the connected monitor can't work touchscreen function, display nothing or shows "No Signal".	Please Enter [Device Manager], unfold [Human Interface Devices], find [HID-compliant touch screen]. Click "Power Management" and disable " <u>Allow the computer to turn off this device to save power</u> ", and click OK.

WEEE Symbol Information

This product needs to be recycled at an appropriate recycling point. Do not mix it with household waste.

This symbol on the product, accessories or literature indicates that this product and its electronic accessories (e.g., adapter, cables) must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of these items by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product.



For Disposal in Countries Outside of the European Union

If you wish to discard this product and its accessories in other area and countries, please contact your local government for applicable laws and regulations governing the disposal of this product.

FCC Compliance Statement

Notice: This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15B of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential 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:

1. Changes or modifications not expressly approved by GeChic Corp. could void the user's authority to operate the equipment.
2. Shielded interface cables and AC power cord, if any, must be used in order to comply with the emission limits.
3. The manufacturer is not responsible for any radio or TV interference caused by unauthorized modification to this equipment. It is the responsibilities of the user to correct such interference.

GeChic Corporation

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