

TPC-GS0883T Rugged Tablet

User Manual

Start working

This chapter first teaches you how to prepare the TPC-GS0883T tablet so that you can start working. Next, we briefly introduce the appearance and components of the TPC-GS0883T tablet.

Ready to start

Open box to check

After opening the package, you should see the following standard items:

- TPC-GS0883T Tablet



- Power adapter (optional)



- OTG cable



- Hand strap



- Four screws



Please check all items in detail. If you find any shortage or damage, please notify your dealer immediately.

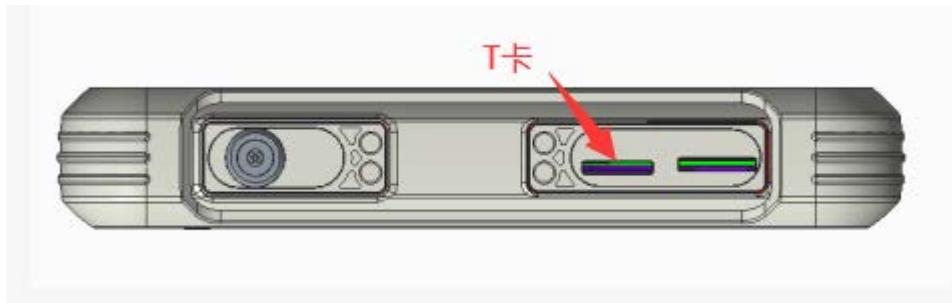
Install SIM card

1. Remove the SIM card plug and insert it according to the silk screen direction of the plug (note: insert the exposed copper feet of the SIM card opposite to the copper piece on the SIM holder, with the SIM card notch facing outward)

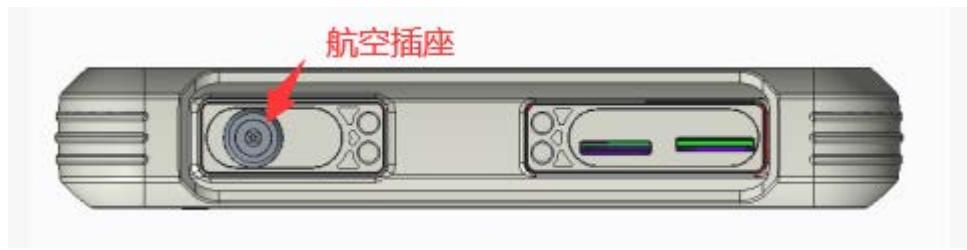


Install T card

1. Remove the T card plug and insert it according to the silk screen direction of the plug (note: the exposed copper feet of the T card are inserted opposite to the copper pieces on the T card holder)



Install aviation socket



Connect the power supply

NOTE: Use only the power adapter provided with this product.
Using other power adapters may damage your PC.

Note:

- The battery is shipped to you in energy saving mode, which protects the battery from charging or discharging. When you first install the battery and connect the computer to AC power, the battery automatically exits this mode ready for you to use.
- Connecting the power adapter will start charging the battery.

Charging instructions

When starting without battery, AC power must be connected to activate.

Plug the DC power cord of the power adapter into the power jack of the TPC-GS0883T tablet



TPC-GS0883T tablet power on and off button



TPC-GS0883T tablet appearance introduction

Note: Depending on the model you purchased, the appearance of the TPC-GS0883T tablet may be different from the pictures shown in this manual.

NOTE: The port or device cannot be seen until the protective cover is opened. Please completely close the protective cover when the port or device is not in use, so as to achieve waterproof and dustproof effect. (If the protective cover has a locking design, please lock it securely.)

Front component



1 Touch screen displays tablet information and receives touch controls.

2 earpiece, the sound received during a call

3 charging indicator light

Displays red when the TPC-GS0883T tablet is charging.

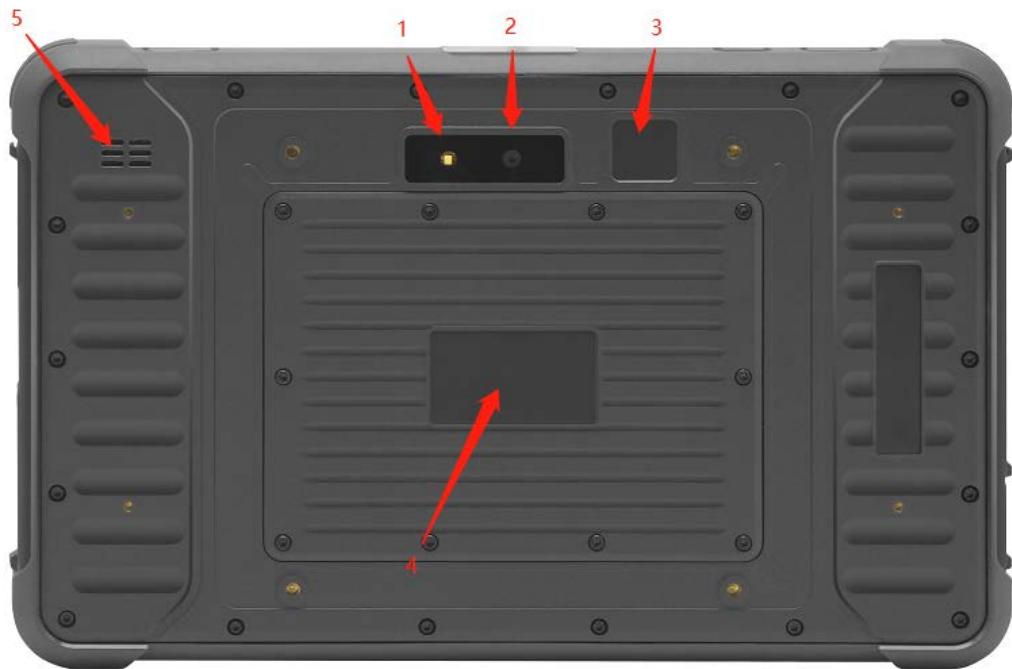
Displays red light when TPC-GS0883T tablet is in sleep mode

4 light sensors sense the screen-off function during calls.

5 front camera lenses

6 Microphone (microphone) receives sound for recording

Back components



1 Flash (optional) Supplements the light when taking pictures.

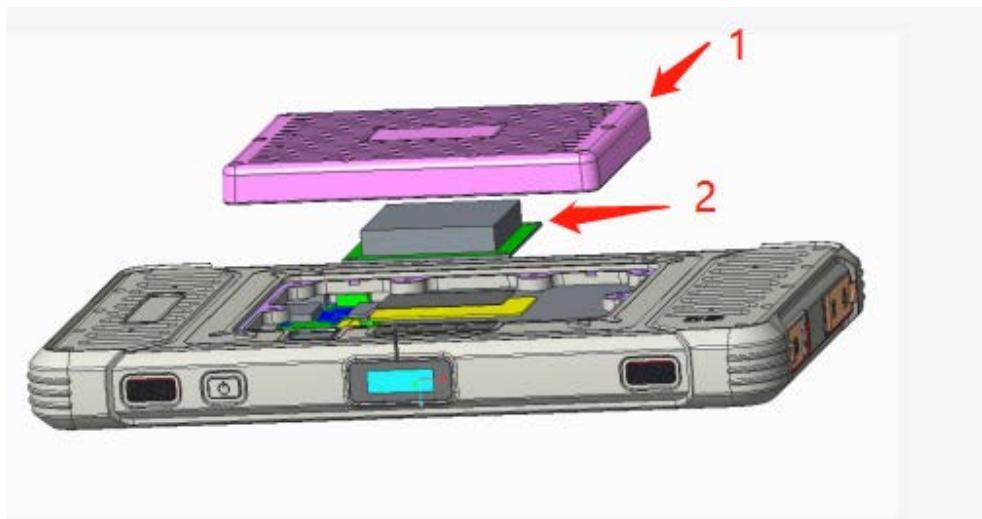
2 Photography lens (optional) Allows you to use your computer's built-in photography functions.

3 Fingerprint sensor Used for fingerprint recognition to prevent unauthorized use of your tablet.

4 NFC/RFID reader (choose one of the two) can read the data of NFC and RFID electronic tags.

5 Speakers Sound is output from the tablet. Certain models come with one of the following built-in components.

Back UHF components



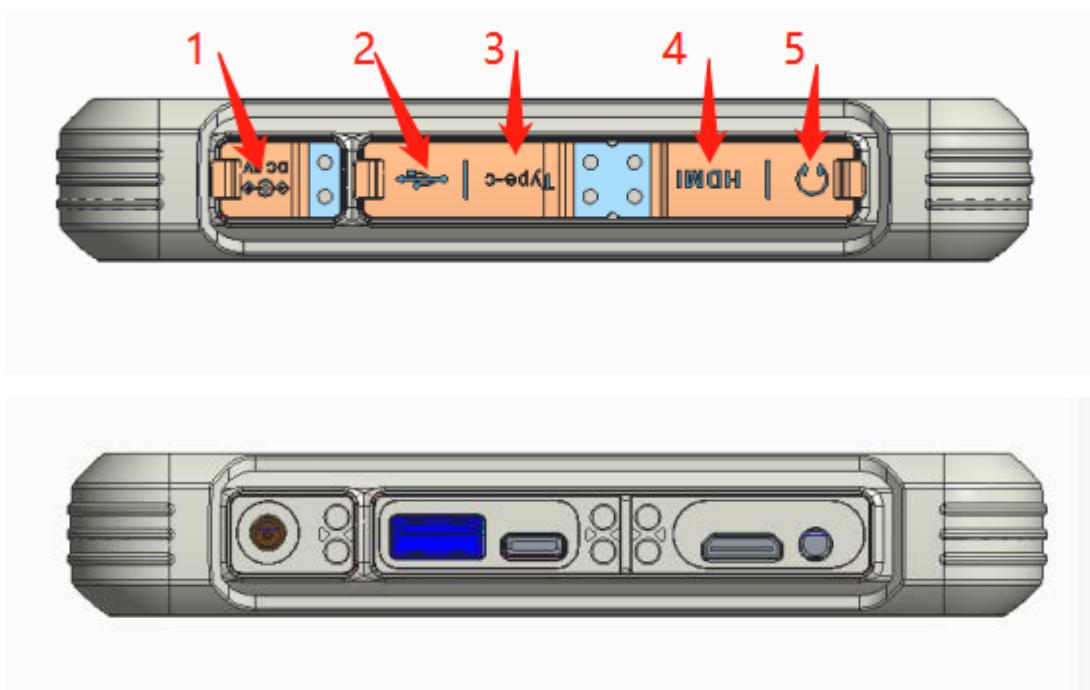
1 UHF rear shell

2 UHF module or ID card module

Back handheld with screw hole (arrow position)

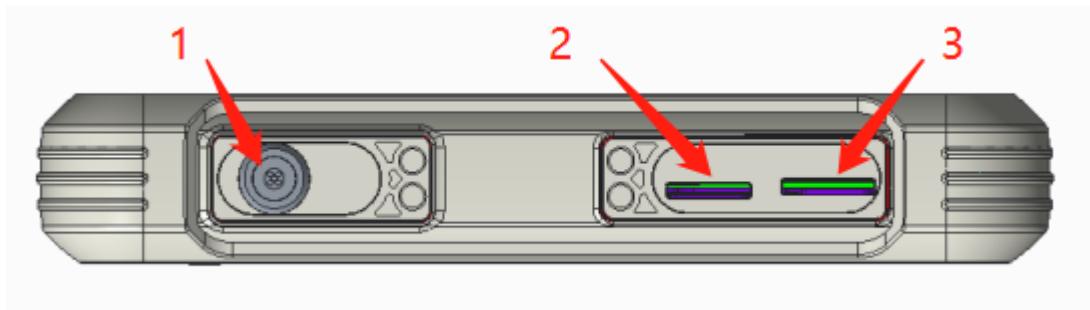


Upper components (open the rubber plug)



- 1 Power jack to connect the AC power adapter
- 2 USB 2.0 ports (in lid) Each of the two ports can connect USB devices such as USB flash drives, keyboards, mice, etc.
- 3 USB 3.0 ports Each of the two ports accepts USB devices
- 4 No HDMI function
- 5 Composite audio port Connects headphones or external speakers with a power amplifier.

Lower components (open the rubber plug)



1 Oudu aviation plug (if you want a CAN module, you need to have receiving and transmitting output lines)

2 T deck

3 SIM card holder

left component



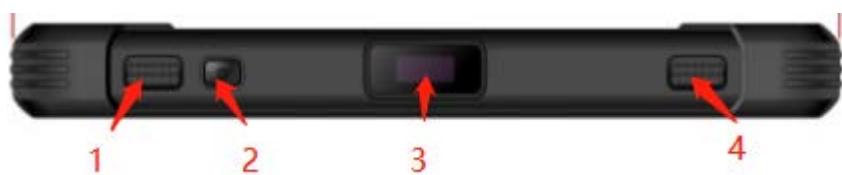
1 Volume up key

2 Volume down key

3 pogo pin expansion base socket, connect to the expansion base
(optional)

4 Base fixing hole

Right component



1 Shortcut keys (custom keys)

2 Power on/off button (POWER)

3 Scanning module (one-dimensional/two-dimensional scanning head)

4 Scan code shortcut keys

Connect audio devices



For better audio quality, connect an external audio device.

Your TPC-GS0883T tablet is equipped with 1 composite audio port, which is 4-pole TRRS 3.5mm Samsung specification and can connect compatible headset microphones.

safety warning: 

To avoid the possibility of hearing damage, do not listen at high volumes for long periods of time.

By default, the connected monitor should respond. When you need to switch the display output, please use the Android system tool.

Use NFC/RFID reader (optional)

If your model has an NFC/RFID reader module, you can use it to read NFC (Near Field

Communication - near field wireless communication) and RFID (Radio Frequency Identification -

Radio Frequency Identification (RFID) electronic tag data.



Note:

- If you need further application or customization of this module, please consult a Getac authorized dealer.
- NFC readers require specific applications, please consult your system administrator for further information.

Barcode scanner (optional)

Note: If further application or customization is required for this module, please consult a Getac authorized dealer.

If your model has a barcode scanner module, you can read barcodes in the following formats:

SE655-Spec-Sheet-0411

SE4710-Spec-Sheet-0314

To read barcodes:

1. Open the word processing software you want to use and open a new or existing file. Place the screen cursor on the A place to enter data.

1. Press and hold the trigger button on the fuselage, and aim the green beam of the scanning lens at the barcode.



Center the green beam on the barcode. Please adjust the distance between the lens and the barcode as appropriate; barcode The smaller the barcode is, the closer it is; the larger the barcode is, the farther away it is.

Trigger key **Note:** If the barcode being scanned is reflective (for example, the paper is made of glossy varnish), you may need to Tilt +5° to avoid reflections.

2. When the scan is successful, the system will beep and the scanning beam will turn off. The decoded barcode data will be entered in the text box

Battery

When charging, the light shows red.

When charging is completed, the light will show green (green light will show when charged to 90%)

The light flashes green to indicate that the battery's built-in high-temperature protection mechanism is operating.

When the battery power is less than 15%, the light flashes red (once a second).

When the high temperature protection function is abnormal, the light flashes red quickly (flashes once for half a second).

Second-rate). In this case, please send the tablet for repair.

When the charging function is abnormal, the light flashes brown.

At this time, please replace the battery with the old one new.

Battery Guidelines

- When using batteries, try to use up all the power before charging, and fully charge the battery at once. so Do this to avoid damaging the battery.

- Batteries are consumables, and the following conditions will shorten their service life:
 - Charge the battery frequently
 - Using, charging or storing batteries in high temperature environments
- In order to avoid accelerating battery aging and extending its service life, the number of charging times should be minimized to avoid internal

The temperature often rises.

- Charge the battery in a temperature range of 10° C~30° C (50 ° F ~ 86 ° F). higher ambient temperature

Will cause the battery temperature to rise. Avoid charging the battery in a closed vehicle and in hot weather conditions. this In addition, charging will not start when the battery is not within the allowed temperature range.

- It is recommended not to charge the battery multiple times in a day.

It is recommended that you charge the battery when the TPC-GS0883T machine is turned off.

When using battery power in an extremely low temperature environment, the operating time may be shortened and the battery display value may be inconsistent.

The right situation arises. This phenomenon arises from the chemistry of the battery. Recommended proper battery operating temperatures

Should be maintained at $-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$ ($14^{\circ}\text{F} \sim 122^{\circ}\text{F}$).

- Do not store the machine for more than six months without charging it.

Power Adapter

Notice:

- The power adapter is only for use with your TPC-GS0883T tablet. If used for other purposes, it may damage the connected electrical appliances or adapter.
- The power cord attached to the power adapter complies with the specifications of the place of purchase. To use this TPC-GS0883T tablet abroad, please consult your dealer for a suitable power cord.
- If you want to unplug the power adapter, you must first unplug the power plug on the wall, and then unplug it and plug it into the computer. power connector, otherwise the TPC-GS0883T tablet and adapter will be damaged by external voltage shock.

- When unplugging the plug, do not pull on the wire. Hold the plug and pull it out.

Since your TPC-GS0883T tablet operates on DC power, the power outlet usually provides AC power, so the power supply is suitable for

The function of the adapter is to convert the alternating current from the power source into the direct current required by the computer. When connecting to the power adapter It also automatically charges the battery while turning on the device.

The adapter operates from 100 to 240 V AC.

Charging batteries

Note:

- The battery can be charged at a temperature between 0 ° C (32 ° F) and 50 ° C (122 ° F). When the battery temperature is outside this range, charging will not start. When the battery temperature meets the conditions, charging will proceed automatically.
- During the charging process, do not unplug the power adapter before it is fully charged, otherwise the battery will be undercharged.
- The battery's high-temperature protection mechanism will

limit the maximum battery capacity to 80% of the total capacity under high temperature conditions. Under high temperature conditions, 80% power is equivalent to a fully charged battery.

Even if the battery is fully charged (100%), the battery capacity may automatically decrease (0.21% per day) due to self-discharge characteristics. This behavior occurs whether or not a battery is installed in the computer.

Connect the power adapter and plug the adapter's power cord into the power socket to charge the battery. At this time, the battery indicator light () on the TPC-GS0883T tablet will light up red, indicating that charging is in progress. It is recommended to charge the TPC-GS0883T tablet when it is turned off. When the battery is fully charged, the indicator light turns green. **When the battery is charged to 90%, the indicator light turns green**

Full charging time is approximately 6 hours with the tablet turned off or approximately 7 hours with the tablet turned on (it may take longer at low temperatures).

Note: Do not unplug and connect the power adapter immediately after the battery is fully charged, as the battery may be damaged.

FCC Caution:

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

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction

EDR:

Operating Frequency	2402MHz~2480MHz
Modulation	GFSK, $\pi/4$ -DQPSK, 8-DPSK
Number of Channels	79 Channels
Antenna Type	FPC Antenna
Antenna Gain	1.3dBi

BLE:

Operating Frequency	2402MHz~2480MHz
Modulation	GFSK
Number of Channels	40 Channels
Antenna Type	FPC Antenna
Antenna Gain	1.3dBi

WIFI 2.4G:

Operating Frequency	2412-2462MHz for 802.11b/g/11n(HT20)/ /ax20; 2422-2452MHz for 802.11n(HT40)/ax40;
Modulation	DSSS with DBPSK/DQPSK/CCK for 802.11b; OFDM with BPSK/QPSK/16QAM/64QAM for 802.11g/n/; OFDMA with BPSK/QPSK/16QAM/64QAM/256QAM/1024QAM for 802.11ax;
Number of Channels	11 channels for 802.11b/g/802.11n20/ax20; 7 channels for 802.11n 40/ax40;
Antenna Type	Antenna 1: FPC Antenna Antenna 2: FPC Antenna
Antenna Gain	Antenna 1: 1.3dBi; Antenna 2: 1.3dBi
Smart system	<input checked="" type="checkbox"/> SISO for 802.11b/g/ n20/n40/ax20/ax40 <input checked="" type="checkbox"/> MIMO for 802.11n20/n40/ax20/ax40

WIFI 5G:

IEEE 802.11 WLAN Mode Supported	<input checked="" type="checkbox"/> 802.11a/n/ac/ax (20MHz channel bandwidth) <input checked="" type="checkbox"/> 802.11n/ac/ax (40MHz channel bandwidth) <input checked="" type="checkbox"/> 802.11ac/ax (80MHz channel bandwidth)
Modulation	802.11a/n/ac OFDM (QPSK/BPSK/16QAM/64QAM/256QAM); 802.11ax: OFDMA (QPSK/BPSK/16QAM/64QAM/256QAM/1024QAM)
Operating Frequency Range	<input checked="" type="checkbox"/> 5180-5240MHz for 802.11a/n(HT20)/ac(VHT20)/ ax(VHT20); 5190-5230MHz for 802.11n(HT40)/ac(VHT40)/ ax(VHT40);

	<p>5210MHz for 802.11ac(VHT80)/ ax(VHT80)/ <input checked="" type="checkbox"/> 5745-5825 MHz for 802.11a/n(HT20)/ac(VHT20)/ ax(VHT20); 5755-5795 MHz for 802.11n(HT40)/ac(VHT40)/ ax(VHT40); 5775MHz for 802.11ac(VHT80)/ ax(VHT80)</p>
Number of Channels	Please see Note 2.
Antenna Type	Antenna 1: FPC Antenna Antenna 2: FPC Antenna
Antenna Gain	Antenna 1: 0.6dBi; Antenna 2: 0.6dBi
Smart system	<input checked="" type="checkbox"/> SISO for 802.11a/n/ac/ax <input checked="" type="checkbox"/> MIMO for 802.11n/ac/ax