

Rugged Tablet

- TB170 Plus -



User Manual

Version 1.1

Revision History

Date	Change Description	Version
2025/3/20	Initial Version	1.0
2025/6/18	Add Privacy Policy & Update OS Description	1.1

Preface

About This Manual

Thank you for purchasing the Unitech product.

This manual explains how to install, operate and maintain our product.

No part of this publication may be reproduced or used in any form, or by any electrical or mechanical means, such as photocopying, recording, or information storage and retrieval systems, without permission in writing from the manufacturer. The material in this manual is subject to change without notice.

Regulatory Compliance Statements

FCC Warning Statement

This device 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 with radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference with 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.
1. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

2. This device complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. To maintain compliance with FCC RF exposure requirements, avoid direct contact to the transmitting antenna during transmitting.
3. Any changes or modifications (including the antennas) made to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment.
4. Operation of transmitters in the 5.925-7.125 GHz band is prohibited for control of or communications with unmanned aircraft systems.

FCC Label Statement

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

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

RF Radiation Exposure Statement

For body contact during operation, this device has been tested and meets FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the handset a minimum of 1.0 cm from the body.

Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

IC Statements

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radioexempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) This device may not cause interference, and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.
- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

- (i) The device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;
- (i) Les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux.

Devices shall not be used for control of or communications with unmanned aircraft systems. Les dispositifs ne doivent pas être utilisés pour commander des systèmes d'aéronef sans pilote ni pour communiquer avec de tels systèmes.

IC Radiation Exposure Statement

This EUT is compliance with SAR for general population / uncontrolled exposure limits in IC RSS-102 and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528 and IEC 62209. This equipment should be installed and operated with minimum distance 10 mm between the radiator and your body. This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

Cet appareil est conforme aux limites d'exposition DAS incontrôlée pour la population générale de la norme CNR-102 d'Industrie Canada et a été testé en conformité avec les méthodes de mesure et procédures spécifiées dans IEEE 1528 et IEC 62209. Cet appareil doit être installé et utilisé avec une distance minimale de 10mm entre l'émetteur et votre corps. Cet appareil et sa ou ses antennes ne doivent pas être co-localisés ou fonctionner en conjonction avec tout autre antenne ou transmetteur.

Specific Absorption Rate information

This product meets the applicable national or international RF exposure guidance (SAR guideline) when used normally against your head or, when worn or carried, at a distance of 5 mm from the body. The SAR guideline includes a considerable safety margin designed to assure the safety of all persons, regardless of age and Health.

Specific absorption rate

YOUR DEVICE MEETS INTERNATIONAL GUIDELINES FOR EXPOSURE TO RADIO WAVES. The highest SAR values under the ICNIRP guidelines for your device model are listed below:

Body-worn SAR: 1.082 W/kg

European Conformity Statement

Unitech Electronics co., Ltd herewith declares that the Unitech product is in compliance with the essential requirements and all other provisions of the RED 2014/53/EU directive.

The declaration of conformity is available for download at:

<https://portal.Unitech.eu/public/Safetyregulatorystatement>

UK Declaration of Conformity (DoC)

Hereby, Unitech Electronics co., Ltd. declares that the radio equipment type Rugged Handheld Computer is in compliance with UK Radio Equipment Regulations 2017(RER 2017 (SI 2017/1206)).

The full text of the UK declaration of conformity is available at the following internet address:

<https://www.ute.com>

UKCA Mark Warning



RoHS Statement



This device conforms to RoHS (Restriction Of Hazardous Substances) European Union regulations that set maximum concentration limits on hazardous materials used in electrical and electronic equipment.

Waste electrical and electronic equipment (WEEE)



Unitech has set up a policy and process to meet the 2012/19/EU concerning electronic waste disposal.

For more detailed information of the electronic waste disposal of the products you have purchased from Unitech directly or via Unitech's resellers, you shall either contact your local supplier or visit us at: <https://portal.Unitech.eu/public/WEEE>

CE RF Exposure Compliance

For body-worn operation, this device has been tested and meets the ICNIRP guidelines and the European Standard EN 62209-2, for use with dedicated accessories, SAR is measured with this device at a separation of 0.5 cm to the body, while transmitting at the highest certified output power level in all frequency bands of this device. Use of other accessories which contain metals may not ensure compliance with ICNIRP exposure guidelines.

In accordance with Directive 2022/2380 of the European Union, we hereby provide specific information regarding the charging capabilities and compatible devices for the CE USB-C Adapter. This notice aims to offer essential details to purchasers for informed use and compliance with the outlined safety and performance standards.

Please note that this device supports fast charging via USB Power Delivery (USB PD), allowing for efficient charging at higher power levels when paired with compatible devices.

For reference to the detailed charging power specifications applicable to each device model, please find the link to consult our cloud-based table or scan the QR code provided below.

For detailed information on charging power specifications:

[Unitech Products USB-C Charging Power Specification Overview](#)



CE Mark Warning



Taiwan NCC Warning Statement

低功率電波輻射性電機管理辦法

取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。低功率射頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前述合法通信，指依電信管理法規定作業之無線電通信。低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。應避免影響附近雷達系統之操作。高增益指向性天線只得應用於固定式點對點系統。

注意事項:

1. 使用過度恐傷害視力。
2. 使用30分鐘請休息10分鐘；未滿2歲以下幼兒不看螢幕，2歲以上每天看螢幕不要超過1小時。
3. 減少電磁波影響，請妥適使用。

Note:

Within the 5.25-5.35 GHz band, U-NII devices will be restricted to indoor operations to reduce any potential for harmful interference to co-channel MSS operations.

限用物質含有情況標示聲明書

Declaration of the Presence Condition of the Restricted Substances Marking

證書號碼 / 受理編號：(No.)

Certificate No. / Application No.

商品標籤及商品檢驗標識：(Picture)

Product Label and Commodity Inspection Mark.

樣張及其標示位置：(Description and Picture)

Sample and its location

設備名稱 Equipment name：平板電腦・型號 (型式) Type designation (Type)：TB170 Plus						
單元 Unit	限用物質及其化學符號 Restricted substances and its chemical symbols					
	鉛 Lead (Pb)	汞 Mercury (Hg)	鎘 Cadmium (Cd)	六價鉻 Hexavalent Chromium (Cr ⁺⁶)	多溴聯苯 Polybrominated Biphenyls (PBB)	多溴二苯醚 Polybrominated diphenyl ethers (PBDE)
電路板總成	-	○	○	○	○	○
儲存裝置	-	○	○	○	○	○
液晶面板	-	○	○	○	○	○
輸出/入裝置	-	○	○	○	○	○
電源供應器	-	○	○	○	○	○
金屬機構件	-	○	○	○	○	○
塑膠機構件	○	○	○	○	○	○
配件(例： 電源線等)	-	○	○	○	○	○
備考1. “超出0.1 wt %”及“超出0.01 wt %”係指限用物質之百分比含量超出百分比含量基準值。 Note 1: “Exceeding 0.1 wt %” and “exceeding 0.01 wt %” indicate that the percentage content of the restricted substance exceeds the reference percentage value of presence condition. 備考2. “○”係指該項限用物質之百分比含量未超出百分比含量基準值。 Note 2: “○” indicates that the percentage content of the restricted substance does not exceed the percentage of reference value of presence. 備考3. “—”係指該項限用物質為排除項目。 Note 3: The “—” indicates that the restricted substance corresponds to the exemption.						

茲切結保證所提供之商品限用物質含有情況標示內容係經執行測試作業或採適當之品質管理措施，並備置前述相關文件，確認正確無誤後提供貴局。並同意配合貴局執行後市場管理作業所需，依商品檢驗法第49條之規定，於限期28個工作天內提供相關證明文件以供審查。

I hereby ensure that “the presence conditions of the restricted substance” provided above have been proved by testing or appropriate quality control measures, and make sure the relevant documents provided are correct and ready. Also, I agree to cooperate with BSMI, as the Article 49 of the Commodity Inspection Act stipulates, to provide the relevant documents, if needed, for verification within 28 working days when BSMI carries out the market surveillance activities.

Laser Information

The Unitech product is certified in the U.S. to conform to the requirements of DHHS/CDRH 21CFR Subchapter J and to the requirements of IEC 60825-1. Class II and Class 2 products are not considered to be hazardous. The Unitech product contains internally a Visible Laser Diode (VLD) whose emissions do not exceed the maximum limits as set forth in the above regulations. The scanner is designed so that there is no human access to harmful laser light during normal operation, user maintenance or prescribed service operations.

The laser safety warning label required by the DHHS/IEC for the Unitech product's optional laser scanner module is located on the memory compartment cover, on the back of the unit.

* Laser information only applies to the products with laser components.

CAUTION! *Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous laser light. Use of optical instruments with the scanner, including binoculars, microscopes, and magnifying glasses, with will increase eye damage. This does not include eyeglasses worn by the user.*

LED Information

The Unitech product contains LED indicator(s) or LED ring whose luminance is not harmful to human eyes during normal operation, user maintenance or prescribed service operations.

*LED information only applies to the products with LED components.

Battery Notice

Performance and Replacement

- For optimal performance, it is recommended to replace rechargeable batteries annually or after 500 charging cycles.
- It's normal for the battery to swell or expand slightly after a year or 500 cycles. This doesn't cause damage but indicates the battery should be replaced and disposed of properly according to local regulations.
- If battery performance drops by more than 20%, it has reached its end of life and should be replaced and disposed of properly.

Battery Life and Conservation

- Battery life depends on the battery type and device usage.
- Avoid fully discharging the battery as this puts stress on it. Several partial charges are better than one full discharge.
- Do NOT expose the battery or device to high temperatures for extended periods, such as in a parked car on a hot day or under direct sunlight. High temperatures can damage the battery. Keep the device within acceptable operating temperatures (refer to the specifications).
- For long-term storage, charge the battery to at least 50% every six months. Leaving the battery uncharged for extended periods will reduce its lifespan.
- If the battery cannot be charged after a long idle period and starts to heat up, do not attempt to charge it. It may be damaged.

Important Cautions

- **Use original batteries only from Unitech.** Using third-party batteries can damage the device and void the warranty.
- **Risk of explosion if the battery is replaced incorrectly.** Dispose of used batteries according to instructions.
- RISK OF EXPLOSION IF BATTERY IS REPLACED INCORRECTLY.
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.
- 電池若未正確更換，可能會爆炸。請用原廠建議之同款或同等級的電池來更換，請依原廠指示處理廢電池。

- 请依制造商说明书处理用过之电池，如果更换不正确之电池行事会有爆炸的风险，请依制造商说明书处理用过之电池。

Charging

- Consider temperature when charging. Charging is most efficient at room temperature or slightly cooler.
- Charge batteries within the specified range of 0°C to 40°C (32°F to 104°F). Charging outside this range can damage the battery and shorten its lifespan.
- **Do not charge batteries below 0°C.** This is dangerous and can make the batteries unstable. Use a battery temperature detecting device to ensure safe charging temperatures.

Maintenance and Safety

- Keep all connectors free of contaminants like dust, grease, mud, and water to ensure proper device operation. Neglecting this can cause communication issues, short circuits, or overheating.
- **To clean the battery connectors:**
 - Remove the main battery from the mobile computer.
 - Dip the cotton part of a cotton-tipped applicator in isopropyl alcohol.
 - Gently rub the cotton part of the applicator back and forth across the connectors on both the battery and the device to remove any grease or dirt. Ensure no cotton residue is left on the connectors.
 - Repeat this process at least three times.
 - Use a dry cotton-tipped applicator and repeat steps 3 and 4.
 - Inspect the area for any remaining grease or dirt and repeat the cleaning if needed.
- **To clean the cradle connectors:**
 - Disconnect the DC power cable from the cradle.
 - Dip the cotton part of a cotton-tipped applicator in isopropyl alcohol.
 - Rub the cotton part of the applicator along the pins of the connector, moving it back and forth gently from one side to the other. Do not leave any cotton residue on the connector
 - Rub all sides of the connector with the applicator
 - Remove any lint left by the applicator
 - If there is grease or dirt on other areas of the cradle, use a lint-free cloth and alcohol to clean them

- Allow the alcohol to air dry for at least 10 to 30 minutes (depending on the ambient temperature and humidity) before powering on the cradle

CAUTION! *If you clean the battery or cradle connectors with bleach-based chemicals, follow the instructions above to remove any bleach residue from the connectors.*

- If a connector is damaged, have it repaired before using the device to avoid short circuits.
- While charged batteries can be left unused for several months, their capacity may decrease due to internal resistance buildup. They may need recharging before use.
- Store batteries at temperatures between -20°C to 60°C. Higher temperatures can cause faster depletion. Room temperature storage is recommended.
- The above storage information applies only to removable batteries. For devices with non-removable batteries, refer to the product specifications.

Battery Safety Guidelines

- Charge the device in a clean area, away from debris, flammable materials, or chemicals. Take extra care when charging in non-commercial environments.
- Improper battery use can lead to fire, explosion, or other hazards.
- Do not disassemble, open, crush, bend, deform, puncture, or shred the battery.
- Dropping the device can cause the battery to overheat.
- Do not short-circuit the battery or allow metal or conductive objects to touch the battery terminals.
- Do not modify the battery, insert foreign objects, expose it to water or other liquids, or expose it to fire, explosion, or other hazards.
- Do not leave or store the device in hot areas, like parked cars or near heat sources. Do not put the battery in a microwave or dryer.
- Supervise battery usage by children.
- If swallowed, seek medical advice immediately.
- In case of leakage, avoid contact with skin and eyes. If contact occurs, flush the affected area with water for 15 minutes and seek medical advice.
- If you suspect damage to the equipment or battery, contact your service provider for inspection.



BSMI: For better environmental protection, waste batteries should be collected separately for recycling or special disposal.

California, USA: The button cell battery may contain perchlorate material and requires special handling when recycled or disposed of in California.

For further information, please visit: <http://www.dtsc.ca.gov/hazardouswaste/perchlorate/>

Safety Guideline for Using Lithium Battery

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.

Product Operation and Storage Notice

The Unitech product has applicable operation and storage temperature conditions. Please follow the limitation of suggested temperature conditions to avoid failure, damage or malfunction.

**For applicable temperature conditions, please refer to the specification of each product.*

Adapter Notice

1. Please do not leave the power adapter in the socket when it is not connected to your Unitech product for charging.
2. Please remove the power adapter when the battery is fully recharged.
3. The bundled power adapter that comes with your Unitech product is not meant to be used outdoors. An adapter exposed to water or rain, or a very humid environment can cause damage to both the adapter and the product.
4. Please only use the bundled power adapter or same specification of adapter to charge your Unitech product. Using the wrong power adapter can damage your Unitech product.

** The message above only applies to the product connected to the adapter.*

For the products without using the adapters, please refer to the specification of each product.

Safety Instructions

	Read the safety instructions carefully and thoroughly. All cautions and warnings on the equipment or user's manual should be noted.
	Keep this equipment away from humidity and high temperature.
	Lay this equipment on a stable surface before setting it up.
	The openings on the enclosure are used for air convection and to prevent the equipment from overheating. Do not cover the openings.
	<ul style="list-style-type: none"> • Do not leave the equipment in an unconditioned environment with a storage temperature above 60°C (140°F) or below -20°C (-4°F), which may damage the equipment. • This unit should be operation under maximum ambient temperature of 50°C (120°F) or under 60°C (140°F) for light loading applications.
	<p>Followings are requirements of battery storage:</p> <ul style="list-style-type: none"> • If the storage duration is within 3 months, please remain the temperature at -20°C~45°C; If the storage duration is above 3 months but within 1 year, please remain the temperature at 23°C ± 2°C. • The battery capacity should remain at 30 ± 5%. • The storage humidity should remain at 65 ± 25% RH. • The battery charging temperature should be 10°C~45°C, the discharging temperature should be -20°C~60°C. • For the maximum battery discharging performance, please remain the storage temperature at 25°C. • Do not charge the battery while the room temperature is over 40°C.
	<ul style="list-style-type: none"> • Make sure the power voltage is within safety range and has been adjusted properly to the value of 100~240V before connecting the equipment to the power outlet. • Always unplug the AC power cord before installing any add-on card or module to the equipment.

	<ul style="list-style-type: none"> • Always disconnect the AC power cord or uninstall the battery pack or switch off the wall socket if the equipment would be left unused for a certain time to achieve zero energy consumption.
	Place the power cord in a way that people are unlikely to step on it. Do not place anything on top of the power cord.
	Always keep the strong magnetic or electrical objects away from the tablet.
	Never pour liquid into the opening that could damage the equipment or cause an electrical shock.
	<p>If any of the following situations arises, get the equipment checked by service personnel:</p> <ul style="list-style-type: none"> • The power cord or plug is damaged. • Liquid has penetrated into the equipment. • The equipment has been exposed to moisture. • The equipment has not worked well or you cannot get it work according to User Manual. • The equipment was dropped and damaged. • The equipment has obvious signs of breakage.
	<p>Green Product Features</p> <ul style="list-style-type: none"> • Reduced energy consumption during use and stand-by • Limited use of substances harmful to the environment and health • Easily dismantled and recycled • Reduced use of natural resources by encouraging recycling • Extended product lifetime through easy upgrades • Reduced solid waste production through take-back policy <p>Environmental Policy</p> <ul style="list-style-type: none"> • The product has been designed to enable proper reuse of parts and recycling and should not be thrown away at its end of life. • Users should contact the local authorized point of collection for recycling and disposing of their end-of-life products.

Hearing Damage Warning

To prevent possible hearing damage, do not listen at high volume levels for long periods.



Figure 1 – Warning label (IEC 60417-6044)

Worldwide Support

Unitech's professional support team is available to quickly answer questions or assist with technical-related issues. Should an equipment problem occur, please contact the nearest Unitech regional service representative.

For complete contact information please visit the Web sites listed below:

Taipei, Taiwan – Headquarters Tel: +886-2-89121122 E-mail: info@hq.ute.com Address: 5F, No. 136, Lane 235, Baoqiao Road, Xindian District, New Taipei City 231, Taiwan (R.O.C.) Website: http://www.ute.com	Europe Tel: +31-13-4609292 E-mail: info@eu.ute.com Address: Kapitein Hatterasstraat 19, 5015 BB, Tilburg, the Netherlands Website: http://eu.ute.com
China Tel: +86-59-2310-9966 E-mail: info@cn.ute.com Address: Room401C, 4F, RIHUA International Mansion, Xinfeng 3rd Road, Huoju Hi-tech District, Xiamen, Fujian, China Website: http://cn.ute.com	Japan Tel: +81-3-62310896 E-mail: info@jp.ute.com Address: Tosei Building 3F.,18-10 Nihonbashi-Hakozakicho, Cyuouku, Tokyo, 103-0015, Japan Website: http://jp.ute.com
Asia & Pacific / Middle East Tel: +886-2-27911556 E-mail: info@apac.ute.com info@india.ute.com info@mideast.ute.com Address: 4F., No. 236, ShinHu 2nd Rd., NeiHu Chiu, 114, Taipei,Taiwan Website: http://apac.ute.com / http://mideast.ute.com	Latin America Tel: +52-55-5171-0528 E-mail: info@latin.ute.com Address: 17171 Park Row, Suite 210 Houston, TX 77084USA (Rep.) Website: http://latin.ute.com
North America Tel: +1-714-8916400 E-mail: info@us.ute.com / info@can.ute.com Address: 6182 Katella Ave, Cypress, CA 90630, USA Website: http://us.ute.com	Please scan QRCode to visit us: 

Warranty Policy

The following items covered under the Unitech Limited Warranty are free from defects during normal use:

The warranty period is varied from each country. Please consult with your supplier or Unitech local office for actual length of warranty period to your purchased product.

Warranty becomes void if equipment is modified, improperly installed or used, damaged by accident or neglect, or if any parts are improperly installed or replaced by the user.

Privacy Policy

This policy is developed in accordance with EN 18031 and the GDPR and applies to all Unitech products and services, including but not limited to rugged mobile devices, barcode scanners, mobile applications, and backend platform systems. Unitech respects your privacy and is committed to processing personal data in accordance with the principles of lawfulness, fairness, transparency, and data minimization.

Data Controller

Company Name: Unitech Electronics Co., LTD

Address: 8F, No. 122, Ln. 235, Baoqiao Rd., Xindian Dist., New Taipei City 231, Taiwan

Email: info@hq.ute.com

Website: <https://www.ute.com>

A. Lawful Basis of Processing

We collect and process your personal data only when there is a lawful basis to do so. These bases include:

1. To fulfill contractual obligations (e.g., account registration, device activation, after-sales support)
2. To comply with legal obligations (e.g., tax compliance, security incident reporting)
3. Based on your explicit consent (e.g., enabling location or integrating with third-party platforms)
4. To pursue legitimate interests of Unitech or third parties (e.g., abuse detection, service security)

B. Categories of Personal Data Collected

We may collect your information through:

1. Information you voluntarily provide (e.g., repair requests, registration, technical support)
2. Data automatically generated during your use of our products or services
3. Information lawfully obtained from authorized third parties

Types of data include:

- Device Information: such as serial number, IMEI, MAC address, OS, and model name
- Application and Log Data: including installed application lists, usage records, error logs, and crash reports
- Operational Data: such as scanned barcode content, photos, GPS information, Wi-Fi or mobile IP address, and usage timestamps
- Account Data: including system login username and email address (as configured by authorization)
- Biometric Data: such as facial or fingerprint recognition (stored locally on the device and not uploaded)
- Location Information: GPS, Wi-Fi, or cell tower data collected when location services are enabled
- Configuration Parameters: system and application settings stored locally or on cloud service servers
- Mobile Network Information: such as ICCID, IMSI, carrier name, mobile network type, SIM slot usage, and phone number (if available). This data is primarily used for mobile communication features, device identification, and diagnostic analysis

C. Use of Personal Data

When you use our products or services, we may process your personal data for the following purposes:

1. Providing core product functions, such as login, barcode scanning, data synchronization, and location services
2. Assisting with account registration, preference settings, and device activation
3. Delivering system notifications and update alerts (e.g., firmware upgrades)
4. Analyzing error data for device diagnostics and maintenance support
5. Integrating third-party enterprise management platforms (e.g., MDM or cloud systems), based on your consent
6. Enabling security authentication and device identification
7. Enhancing the overall user experience and optimizing our products and services, including statistical analysis and usage trend research

Unitech does not use your personal data for targeted advertising or profiling, nor do we sell your data to any third parties.

D. Delegated Processing, Sharing, Transfers, and Disclosures of Personal Data

We may process or share your personal data under the following circumstances:

1. **Delegated Processing:** We may engage trusted third-party service providers to assist with device operations, remote support, or related services. In such cases, we will enter into data protection agreements with those vendors and require that they process personal data in accordance with this policy.
2. **Data Sharing:** We do not share your personal data with third parties without your prior consent, unless required by law or when the service you use integrates with third-party platforms (e.g., MoboLink, device management systems).
3. **Data Transfers:** In the event of a corporate merger, acquisition, or bankruptcy that results in data transfer, we will notify you and ensure that the recipient continues to comply with this privacy policy.
4. **Public Disclosure:** Your data may be disclosed only when required by applicable law or with your explicit authorization, such as during regulatory investigations or legal proceedings.

E. Protection of Children's Personal Data

This product and its associated services are not intended for children under the age of 13, and we do not knowingly collect personal data from children. If we become aware that personal data from a child has been inadvertently collected, we will take prompt steps to delete the data and cease any further processing. Parents or legal guardians may contact us to request deletion.

F. Security Measures for Personal Data Protection

We are committed to ensuring the security of your personal data and have implemented a range of measures, including but not limited to, the following:

1. Use of encrypted communication and secure storage technologies
2. Implementation of user authentication and access control mechanisms
3. Logging of data access and monitoring of abnormal behavior
4. Restriction of access to personal data to authorized personnel only, all of whom are bound by confidentiality obligations
5. Regular vulnerability scanning, patching, and risk assessments

In the event of a data breach, we will take appropriate action and notify the relevant authorities in accordance with applicable laws and regulations.

G. Data Accuracy and Integrity

We collect and process personal data solely for specified and legitimate purposes. Measures such as data validation, user authorization, and system controls are implemented to ensure the accuracy, integrity, and timeliness of the information.

H. Cross-Border Transfer of Personal Data

Some of our servers or services may be located outside your jurisdiction. Where cross-border transfer of personal data is necessary, we will comply with applicable local laws and implement appropriate safeguards, such as Standard Contractual Clauses (SCCs), encryption measures, or security assessments, to ensure the confidentiality and integrity of your information.

I. Data Retention

We retain your personal data only for as long as necessary to fulfill the purposes for which it was collected. Once the retention period has expired, we will delete, anonymize, or de-identify the data in accordance with its nature and applicable legal requirements, ensuring that it can no longer be identified or reconstructed.

Certain types of data—such as transaction records, customer support logs, and error reports—may be retained for longer periods to comply with legal obligations, auditing requirements, information security policies, dispute resolution needs, or service improvement purposes. We regularly review the necessity of such retention in accordance with data minimization and security principles.

J. Personal Data Rights

You have the following rights regarding your personal data:

- To request access to the personal data we hold about you
- To request rectification, supplementation, or erasure of inaccurate or outdated data
- To withdraw your consent to data processing (where applicable)
- To request data portability or the deletion of your account

To exercise any of the above rights, please contact us at info@hq.ute.com. In accordance with the GDPR, we will respond to your request within 30 days of receipt. If your request is particularly complex or numerous, we may extend this period by up to an additional two months and will inform you of the reason for the extension within the first month.

K. Privacy Policy Updates

This Privacy Policy may be updated from time to time to reflect changes in our business practices or legal obligations. If any material changes are made to the purposes or scope of personal data usage, we will notify you in accordance with applicable legal requirements. The latest version will be incorporated into the product user manual.

L. Disclaimer

While we implement reasonable and appropriate security measures to protect your personal data, you acknowledge that no system can eliminate all risks inherent in operating over open networks. Unitech shall not be held liable for any unauthorized access, use, disclosure, or destruction of personal data caused by third parties beyond our control. You are responsible for safeguarding your account credentials, and Unitech will not be held liable for any data breach or damages resulting from user negligence.

M. Contact Us

If you have any questions, suggestions, or requests regarding this Privacy Policy or the protection of your personal data, please contact us using the information below:

Email: info@hq.ute.com

Website: <https://www.ute.com/en/contact>

Note:

Please read this Privacy Policy carefully before using this product. You may choose whether to enable certain features (such as location services or network synchronization). By enabling such features, you consent to the collection and processing of your personal data as necessary for the operation of those features.

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Chapter 1 - Overview

1.1 Package

Please make sure the following contents are in the TB170 Plus gift box. If something is missing or damaged, please contact your Unitech representative.

The basic package contents

- TB170 Plus Tablet PC (with Detachable Plate)
- AC/DC adaptor and AC Power Cord (US)
- Battery Pack
- Quick Start Guide

Optional accessories

- Hand Strap
- Shoulder Strap
- Digitizer Pen, B type
- Brief Case Handle
- Office Dock
- Vehicle Dock

1.2 Product Detail

This section will help you to know more about the appearance of this tablet before using it. Please be aware that the figures shown here are for reference only.

Open View



1. Front Camera

This built-in front camera can be used for picture taking, video recording or conferencing, and any other interactive applications.

2. Status LED

	Power <ul style="list-style-type: none"> • LED glows when the tablet is turned on. • LED flashes when the tablet goes to the sleep state. • LED goes off when the tablet is turned off.
	Wireless LAN (Wi-Fi) <ul style="list-style-type: none"> • LED glows when WLAN (Wi-Fi) function is enabled. • LED goes off when this function is disabled.
	Battery Status <ul style="list-style-type: none"> • LED glows when the battery is being charged. • LED goes out when the battery is fully charged or when the AC/DC adapter is disconnected. • LED blinks slowly when battery capacity is lower than 7%. • LED blinks fast when battery error.



3. Touch Screen

Whenever the display is rotated, the touch screen will be rotated and expanded to fit the display automatically.

(NOTE: This function will be changed depends on the user's settings.)

4. Internal Microphone

This is the built-in microphone and its function is the same with microphone.

Top Side View



1. Power Button

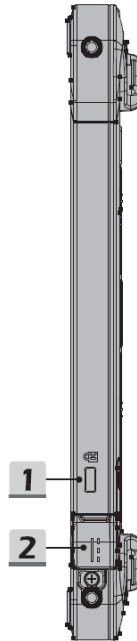


- Before powering on the Tablet PC for the very first time, you must connect it with AC power.
- Press and hold the power button for 8 seconds can shut down the Tablet.

2. Barcode Scanner (Optional)

Easy handheld device for tracking goods from production to loading in the warehouse to ensure shipping and Real-time order status.

Right Side View



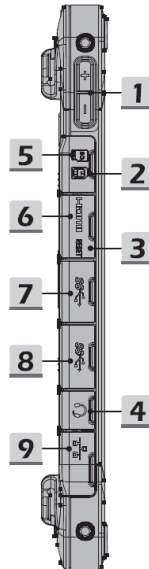
1. Kensington Lock

This tablet provides a Kensington lock hole, which allows users to secure the tablet in place.

2. DC-in Jack

It is an electrical connector for supplying direct current (DC) power.

Left Side View



1. Volume Up +/ Volume Down — Button

Press the Volume Up or Volume Down button to adjust the sound volume.

2. Nano SIM Card Reader

The built-in card reader supports various types of 4G/LTE.

3. Reset Hole

If the Tablet PC cannot be turned off normally or no respond by pressing the power button for 8 seconds, insert a straightened paperclip to the hole.

(NOTE: In this case, AC power must be connected before restarting the tablet.)

4. Headphone Jack

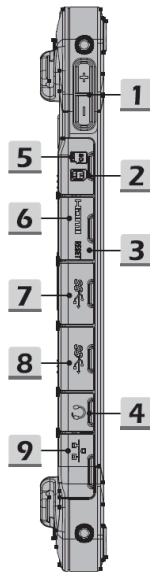
Used for connecting the speakers or headphones.

5. Micro SD Card Reader

The built-in card reader supports SD card.

6. Micro HDMI Port

Micro HDMI (High-Definition Multimedia Interface) technology is the industry-leading interface and de-facto standard connecting high-definition (HD) equipment.



7. USB 3.2 Gen 2 Port

USB 3.2 Gen 2, the SuperSpeed USB, supports high-speed data transfer for the connected devices, such as storage devices, hard drives, or video cameras.

8. USB 10Gbps (USB-C) Port (with DisplayPort function/ PD-in)

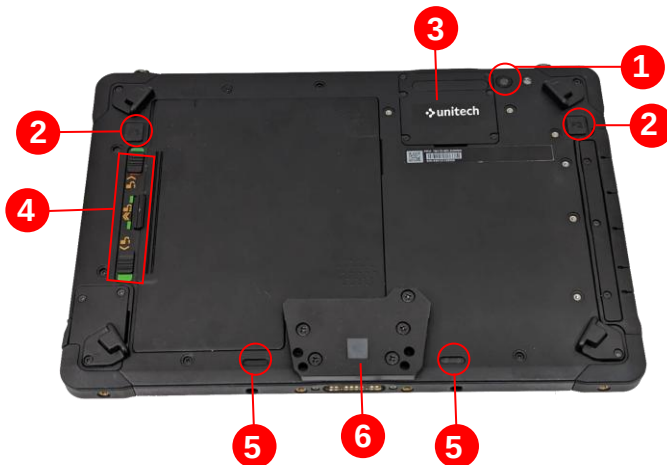
- USB 10 Gbps delivers high interface speeds for connecting various devices, such as storage devices, hard drives, or video cameras, and offers more advantages over high-speed data transferring.
- The slim and sleek USB-C connector features reversible plug orientation, and supports Power Delivery function with 65W power input and maximum 5V/1.5A power output when AC or DC power is connected.
- Optionally supports Power Delivery function with variable up to 45~99W power input only when the notebook is turned off.
- The DisplayPort function supports external display connection.
- Supports using a power bank to supply power to the notebook and charge the battery pack. Make sure the charging power output of the power bank meets the minimum requirements of the notebook.

9. RJ-45 Connector

The Ethernet connector, with bandwidths 10/100/1000 Mbps, is used to connect a LAN cable for network connection.

Rear Side View

The figure of open view and description shown below will lead you to browse the main operating area of your Tablet PC.



1. Rear Camera

This built-in rear camera can be used for picture taking, video recording or conferencing, and any other interactive applications.

2. Fn Function

- F1: programmable function key and default setting is Barcode Scanner trigger function. (optional)
- F2: User Defined programmable function key.

3. LTE & Barcode assembly door

4. Battery latch

To lock/unlock battery.

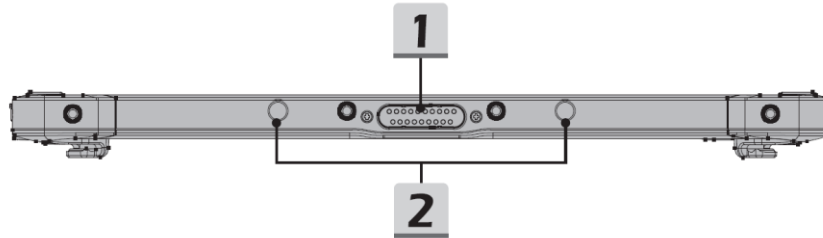
Note: the battery latch should be locked properly to turn on the panel.

5. Speaker

6. Detachable Plate

You can attach the kickstand (PN#5200-900015G) and snap mount (PN#4070-900015G) using the detachable plate.

Bottom Side View



1. Dock Connector

Connect with external Docking Station to increase more I/O functions.

2. Boss Hole

Used for locking the boss hole of the dock.

1.3 Specifications

System Features	
OS	Windows11 IoT Enterprise LTSC
CPU	Intel® Alder Lake-N N200
Memory	LPDDR5 8GB on board (optional 16GB) 256GB SSD (optional 512GB or 1TB)
Others	TPM (Trusted Platform Module) 2.0 support
Display	
Screen Size	10.1" (1920 x 1200) IPS 800 nits Sunlight Readable
Touch Panel	10-point multi-touch, support glove mode and wet-touch mode
Buttons/Keypad	
5 Physical Buttons: power, vol+, vol-, 2 programmable keys	
Camera	
2MP front camera 8MP rear camera, Auto Focus, Flash	
Indicator	
LEDs, Vibrator	
Symbologies	
Optional 1D/2D Barcode Reader	
Communication	
Bluetooth®	Bluetooth® 5.3
WLAN	Wi-Fi 6E (802.11ax) (2X2 MIMO)
WWAN	Optional 4G LTE Quectel EM060K-GL
GPS	GPS / GLONASSS / GALILEO
Sensors	9 Axis MEMS sensor: Accelerometer, eCompass, Gyroscope Ambient Light Sensor Proximity Sensor

I/O Interfaces	
USB	USB 3.1 Type A x 1 USB 3.1 Type C x 1
POGO PIN	POGO pin
SIM Slot	SIM Card Reader [Nano]
Expansion Slot	Docking connector RJ45 Gigabit Ethernet Port Replaceable DC jack Micro HDMI SDXC Card Reader [Micro] Reset hole
Audio	Microphone, speaker and 3.5 mm audio jack
Power Source	
Main Battery	Battery: 7.68V, 4300 mAh/32Wh Backup Battery: 7.4V, 142 mAh / 1.05Wh Hot-swappable
Regulatory Approvals	
CE, BSMI, NCC	
Enclosure	
Weight	990g
Dimension	283mm x 192mm x 15mm
Environmental	
Operating Temperature	-10°C to 50°C
Storage Temperature	- 20°C to 60°C
Relative Humidity	5% ~ 95%
Durability	
Drop Specification	1.5m
Sealing	IP65
Vibration / Tumble test	MIL-STD 810G

Accessories

- | | |
|-----------------------------|--|
| ● AC adaptor 65W (PSU only) | ● Office Dock |
| ● 3-Pin EU Power Cord | ● Vehicle Dock |
| ● 3-Pin US Power Cord | ● Kickstand |
| ● 3-Pin UK Power Cord | ● Snap Mount |
| ● X-Strap (Hand Strap) | ● Power Adapter for Vehicle Docking / Cradle |
| ● Shoulder Strap | ● 4300mAh Battery Pack |
| ● Digitizer Pen, B type | ● 4-Slot Battery Charger |
| ● Brief Case Handle | ● VESA Mount |

Note:

The device is restricted to indoor use only when operating in the 5250-5350 MHz / 5945 to 6425MHz (for LPI) frequency range.

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

1.4 Getting Started

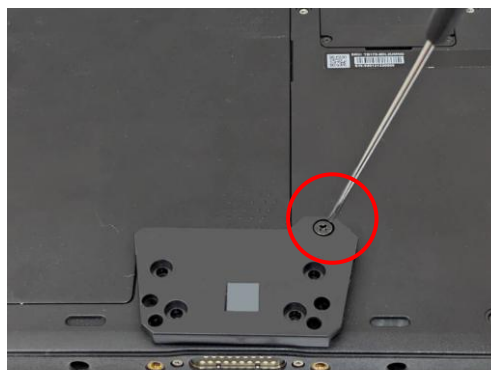
1.4.1 How to Remove the Detachable Plate?

Loosen each screw with a screw driver. Store components in a cool environment.



1.4.2 How to Install the Detachable Plate?

Turn TB170 Plus to the rear side and align the detachable plate with each hole. Then, secure the plate with a screwdriver.



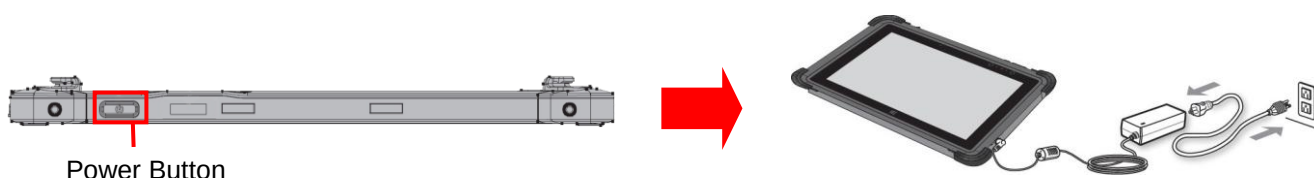
1.4.3 Set Up Accessories with the Detachable Plate

You can attach the kickstand and snap mount using the detachable plate.

	Set Up on Kickstand	Set Up on Snap Mount
Image		

1.4.4 Charging the Battery

Before starting to use the tablet, we would like to suggest you follow the illustrations below to begin to use the tablet.



WARNING! There is a risk of fire and burns if the battery is handled improperly. DO NOT disassemble, crush, puncture, short external contacts, or dispose the battery pack in fire or water. DO NOT attempt to open or service the battery. Dispose of used batteries according to local recycling guidelines in your area.

CAUTION! To ensure the unit working properly, please keep all connectors away from the contaminants such as dust, grease, mud, and water. Negligence may cause the unit to lose communication, short circuit, or overheated. If the connector is damaged, please ensure the connector is fully repaired before using the unit to avoid short circuiting.