

平板電腦

- TB170-



產品說明書

版本 1.1

修改歷程

Date	Change Description	Version
20220518	First Published Version	V1.0
20220715	Add RoHS Statement on p.11	V1.1

前言

感謝您選購 Unitech 產品。

本手冊將介紹如何設定、操作及使用此項產品，包含基本設定及應用程式介紹。未經製造商書面許可，不得以任何形式、利用電子或機械手段(例如影印、錄音或資訊儲存及擷取系統)重製或使用本刊物的任何部分。本手冊的內容如有變更，恕不另行通知。

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.

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.

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>

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.

CE 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>

限用物質含有情況標示聲明書

單元	限用物質及其化學符號					
	鉛 (Pb)	汞 (Hg)	鎘 (Cd)	六價鉻 (Cr ⁺⁶)	多溴聯苯 (PBB)	多溴二苯醚 (PBDE)
電路板總成	—	○	○	○	○	○
儲存裝置	—	○	○	○	○	○
液晶面板	—	○	○	○	○	○
輸出/入裝置	—	○	○	○	○	○
電源供應器	—	○	○	○	○	○
金屬構件	—	○	○	○	○	○
塑膠構件	○	○	○	○	○	○
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。 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。 備考3. "—" 係指該項限用物質為排除項目。						

Taiwan NCC Warning Statement

NCC 警語

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。

SAR標準值 W/KG, 送測產品實測值為: (W/KG)

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；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.

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

1. To guarantee optimal performance, it is recommended that rechargeable batteries be replaced every year, or after 500 charging cycles are completed. It is normal for the battery to balloon or expand after one year or 500 cycles. Although it does not cause damage, it cannot be used again and must be disposed of according to the location's safe battery disposal procedures.
2. If a battery performance decreases more than 20%, the battery is at the end of its life cycle. Stop use and ensure the battery is disposed of properly.
3. The length of time that a battery lasts depends on the battery type and how the device is used. Conserve the battery life by doing the following:
 - Avoid fully uncharging the battery because this places additional strain on it. Several partial uncharges with frequent charges are better than a fully uncharged battery. Charging a partially charged battery does not cause harm to the unit.
 - Keep the battery cool. Avoid hot vehicles. For prolonged storage, keep the battery at a 40% charge level.
 - Do not leave the battery uncharged and unused for an extended period of time, the battery will wear out and the longevity of the battery will be at least half of one with frequent charges.
4. Protect battery life by not over or under charging the battery.
5. Please do not leave battery unused for long time without charging it. Despite Unitech's safety precautions, the battery pack may begin to change shape. If so, stop using it immediately. Please check to see if you are using a proper power adapter to charge the battery or contact your service provider for service.
6. If you cannot charge the battery after it has been idle for an extended period of time and it begins to heat up, please do not try to charge it. It may not be functional anymore.
7. Please only use the original battery from Unitech. Using a third party battery can damage our products. Please note that when such damage occurs, it is not covered by Unitech's warranty policy.

CAUTION!

- RISK OF EXPLOSION IF BATTERY IS REPLACED INCORRECTLY. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.
- 如果更換不正確之電池行事會有爆炸的風險
請依製造商說明書處理用過之電池
- 如果更換不正確之電池行事會有爆炸的風險
請依製造商說明書處理用過之電池

Battery charge notice

It is important to consider temperature when the battery pack is charging. Charging is most efficient at normal room temperature or in a slightly cooler environment. It is essential that batteries are charged within the stated range of 0°C to 40°C. Charging batteries outside of the specified range could damage the batteries and shorten their life cycle.

CAUTION! Do not charge batteries at a temperature lower than 0°C. This will make the batteries unstable and dangerous. Please use a battery temperature detecting device for a charger to ensure a safe charging temperature range.

CAUTION! To ensure the unit working properly, please keep all connectors away from the contaminants staying inside of them such as dust, grease, mud, and water. The negligence may cause the unit with no communication, short circuited, overheated and so on.

CAUTION! If the connector is damaged, please ensure the connector is being fully repaired before use the unit to avoid causing short circuited.

Storage and safety notice

Although charged batteries may be left unused for several months, their capacity may be depleted due to build up of internal resistance. If this happens, they will require recharging prior to use. Batteries may be stored at temperatures between -20°C to 60°C, however they may deplete more rapidly at higher temperatures. It is recommended to store batteries at room temperature.

** The message above only applies to the usage of the removable batteries.
For the products with non-removable batteries / without batteries, please refer to the specification of each product.*

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.*

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, Fujan , China Website: http://cn.ute.com	Japan Tel: +81-3-35232766 E-mail: info@jp.ute.com Address: Kayabacho Nagaoka Building 8F.,1-5-19 Shinkawa, Chuo-Ku, Tokyo, 104-0033, 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 QR Code 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.

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1.1 產品標準配件與選配

打開包裝盒請確保所有標準配件齊全，且無損壞，如有問題，請及時與我們或我們的經銷商聯繫。

我們還提供一系列配件供您選擇，根據實際使用情況選擇對應配件，可增強設備使用便利性，有效提升工作效率。

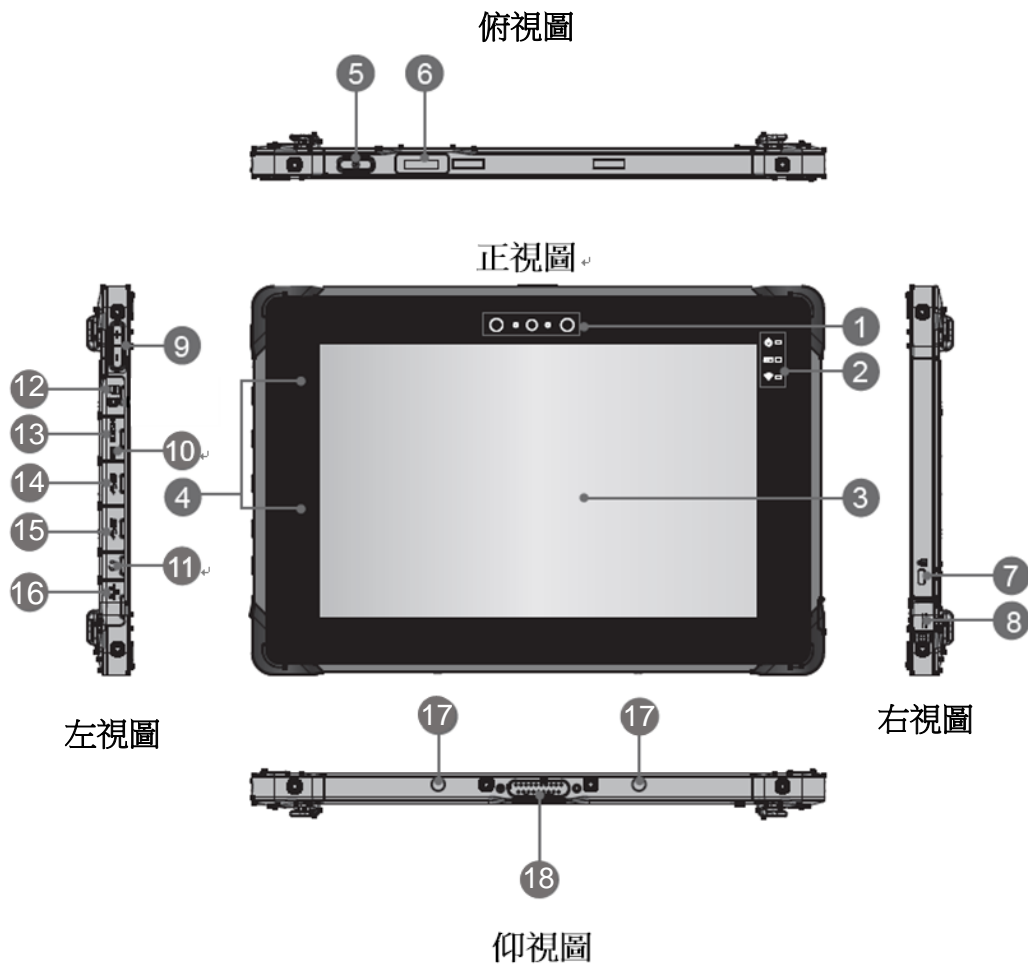
標配

- TB170 平板電腦
- AC/DC 適配器 + AC 電源線(美規)
- 電池組
- 快速指南

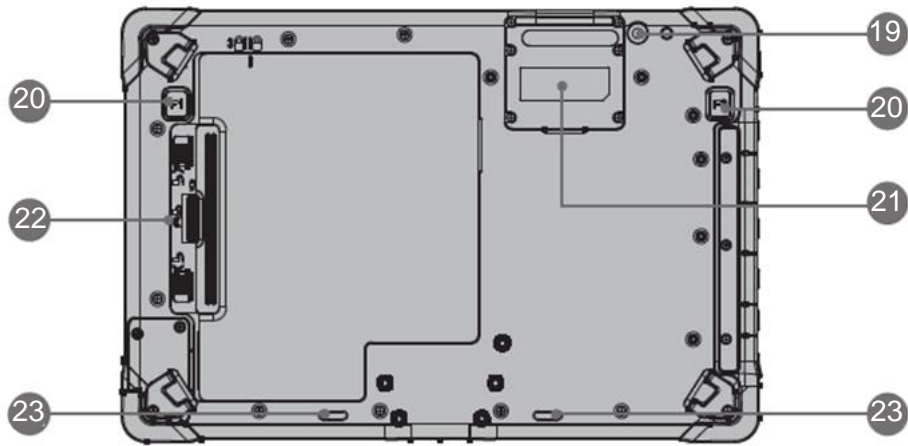
選配

- 手握帶
- 肩背帶
- EETI 數位筆 B-type
- 手提式握帶
- 辦公室用底座
- 車架

1.2 產品視圖



1	前鏡頭	10	重置孔
2	LED 指示燈	11	耳機孔
3	觸控螢幕	12	Micro SD 讀卡器
4	內建麥克風	13	Micro HDMI 孔
5	電源鍵	14	USB 3.1 Type-A 孔
6	掃描鍵	15	USB 3.1 Type-C 孔
7	Kensington 鎖	16	RJ-45 Connector
8	電源插座	17	Boss Hole
9	音量鍵	18	Dock Connector



後視圖

19	後鏡頭
20	功能鍵
21	Barcode assembly door
22	電池蓋卡門
23	揚聲器

1.3 規格

系統功能	
CPU	2.6Ghz, Intel® Gemini Lake-R Celeron N4120
記憶體	LPDDR4 8GB on Board / 128GB eMMC
作業系統	Windows 11 Enterprise
擴充槽	Docking connector RJ45 Gigabit Ethernet Port Replaceable DC jack Micro HDMI SDXC Card Reader [Micro] Reset hole
其他	TPM (Trusted Platform Module) 2.0 support
顯示器	
螢幕尺寸	10.1" (1920 x 1200) IPS 800 nits Sunlight Readable
觸控面板	10-point multi-touch, support glove mode and wet-touch mode
按鈕/鍵盤	
5 Physical Buttons [power, vol+, vol-, 2 programmable keys]	
相機	
2MP front camera [Optional Windows Hello Camera] 8MP rear camera, Auto Focus, Flash	
通知	
LEDs, 振動器	

Comes with the Google™ app and Google Chrome™

Android is a trademark of Google LLC.

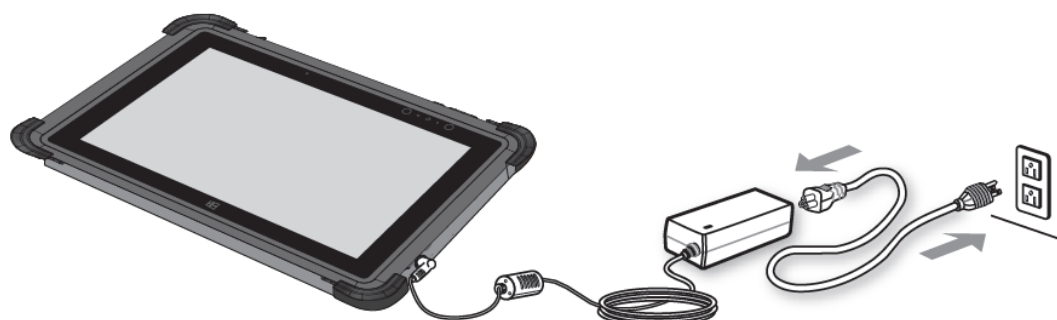
條碼	
Optional 1D/2D Barcode Reader	
通訊	
Bluetooth®	Bluetooth® 5.2 supported
WLAN	Wi-Fi 6 [802.11ax] (2X2 MIMO)
GPS	GPS/GLONASSS/GALILEO
Sensors	9 Axis MEMS sensor [Accelerometer, eCompass, Gyroscope] Ambient Light Sensir Proximity Sensor
I/O 介面	
USB	USB 3.1 Type A x 1 USB 3.1 Type C x 1
POGO PIN	POGO pin
擴充槽	Docking connector RJ45 Gigabit Ethernet Port Replaceable DC jack Micro HDMI SDXC Card Reader [Micro] Reset hole
音訊	Microphone, speaker and 3.5mm audio jack

電源	
Main Battery	Battery: 7.6V, 4800mAh / 36.5 Wh Backup Battery: 7.4V, 142mAh / 1.05Wh Hot-swappable Battery Operation: up to 10 hours.
認證	
CE, FCC, BSMI, NCC	
機器規格	
重量	990g
尺寸	283mm x 192mm x 15mm
環境	
操作溫度	-10°C ~50°C
儲存溫度	-20°C ~60°C
操作濕度	5% ~ 95%
耐摔高度	1.5m
密封防護	IP65
震動與衝擊測試	MIL-STD 810G
配件	
<ul style="list-style-type: none"> ● Shoulder-Strap ● Hand-strap ● EETI Digitizer Pen, B-type ● Vehicle Docking ● Office Docking ● Brief Case Handle 	

1.4 快速入門

1.4.1 開始使用

請依照下圖組裝方式來啟動開機流程，通電後，請按下電源鈕。

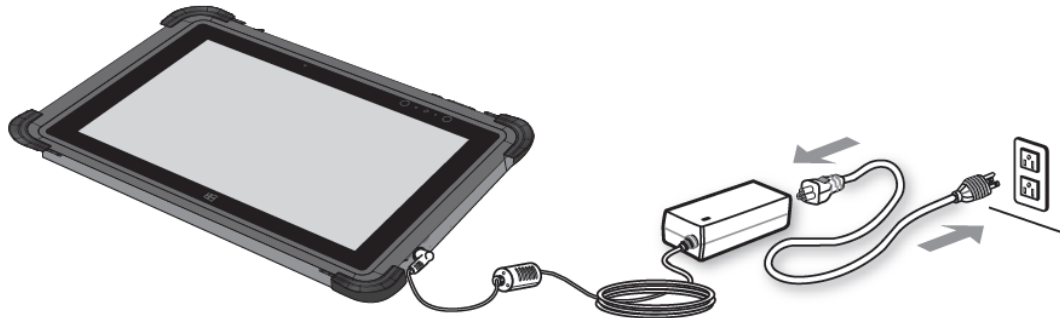


Power button



1.4.2 電池充電

首次使用，建議先將電池充電。



警告！ 如果不當處理電池，存在起火和燒傷的危險。切勿拆卸、擠壓、穿刺外部接點或使其短路，或將電池投入火或水中。切勿嘗試拆開或維修電池。請根據您所在地的回收方針，處置廢舊電池。

