Manuals+ — User Manuals Simplified.

**iMozen group
TC605 Rugged
Mobile Computer**

iMozen group TC605 Rugged Mobile Computer User Guide

Contents

iMozen group TC605 Rugged Mobile Computer

Specifications

- Model: TC605
- Manufacturer: iMozen Group INC.
- Address: 288 6 6F., No.288, Sec. 6, Civic Blvd., Xinyi Dist.,

  Taipei City, Taiwan
- Website: **https://www.imozengroup.com/**

Product Usage Instructions

General Safety Rules
Please read this guide carefully before using the device. Use only the components and accessories supplied by the manufacturer. Do not attempt to disassemble the device as it does not contain user-repairable parts. Tampering will void the warranty. Dispose of replaced battery packs according to local laws. Properly dispose of the device at the end of its product life. Avoid submerging the device in liquid.

Package Contents

- TC605 Rugged Mobile Computer
- Battery Pack (with Rechargeable Battery)
- Quick Start Guide

- USB Charge/Communication Cable (optional)
- Quick Charge Compliant Power Adapter (optional)

Important Notices and Precautions:

- Avoid high-temperature storage that may cause overheating.
- Stop charging when the indicator light turns green.
- Avoid charging in wet conditions.
- Avoid dropping or placing heavy objects on the device.
- Avoid contact with liquids or open fire.
- Stop using if there is a smell of overheating or unusual operation.
- Avoid using outdoors and keep the AC adapter away from objects that block heat dissipation
- Remove the AC adapter plug from the wall socket when not charging to prevent fire hazards.

FAQ

- **Q: Can I use any other brand's components with TC605?**
  A: No, it is recommended to only use components and accessories supplied by the manufacturer to ensure proper functionality and warranty coverage.
- **Q: What should I do if I notice liquid on the device?**
  A: Immediately stop using the device and dry it off to prevent short circuits or damage.

Quick Start Guide

General Safety Rules

- Please read this Guide carefully before you start using this device.
- Use only the TC605 components and accessories supplied by the manufacturer.
- Do not attempt to disassemble the TC605, as it does not contain parts that can be repaired by the user. Any tampering will void the warranty.
- Discard replaced battery packs properly according to local laws.
- At the end of this device's product life, dispose of properly according to local laws.
- Do not submerge the TC605 in any type of liquid.

Package Contents

- TC605 Rugged Mobile Computer
- Battery Pack (with Rechargeable Battery)
- USB Charge/Communication Cable (optional)
- Quick Charge Compliant Power Adapter (optional)
- Quick Start Guide

After unpacking, please inspect package contents. If any item is damaged or missing, please contact your customer support representative immediately.

Important Notices and Precautions

The manufacturer has made safety the first priority during the design stage. To avoid potential mishaps, please observe the following notices and precautions:

- Do not stock this device under high temperature conditions that may cause the battery to overheat.
- Do not charge longer than required. When the charging light is green, stop charging immediately.
- Charge this device in place without any water-spray or moisture.
- Use a dry cloth to wipe any dust off of the AC adapter plug to avoid potential fire.
- Do not drop this device on hard surfaces.
- Do not place heavy objects on this device to avoid cracking the enclosure.
- Do not unplug the AC adapter with wet hands to avoid electric shock.
- Do not use the AC adapter of the TC605 with any other devices.
- Do not place the device in liquids to prevent short-circuits or fire.
- Do not place this device near an open fire.
- If the power or USB cable is seriously twisted or broken, stop using immediately to prevent electric shock, short-circuit, or fire.
- Stop using immediately if there is any unusual smell or overheating during charging or operation.
- Stop using immediately when there is liquid or dew on the device.
- Do not use the AC adapter outdoors.
- Please do not wrap the AC adapter with cloth or other objects that could block heat dissipation and cause electric shock or fire.
- When not charging, remove the AC adapter plug from the wall AC outlet socket to avoid a fire hazard.
- The manufacturer will not be responsible for warranty claims if damage is caused due to improper personal use.

Laser Safety

Laser Light – Do not stare into this Beam Class 2 Laser Product. The maximum output radiation is 1 mW compliant with EN 60825-1 (2014)

Audio Safety

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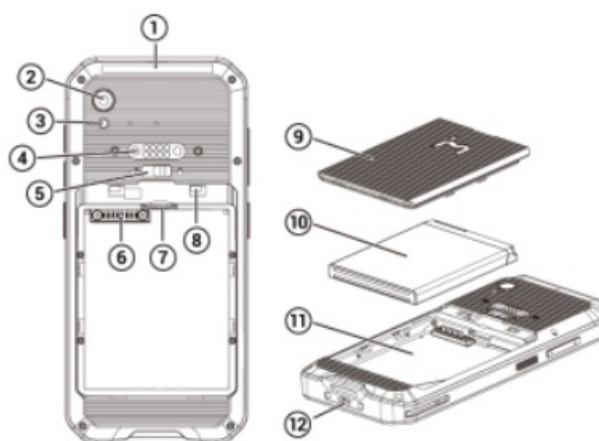
Features

Front View

1. Receiver
2. Power Button
3. Volume Button
4. Function Button
5. Scan Button
6. Touch Screen
7. Microphone
8. Speaker
9. Scan Window
10. Front Camera
11. Proximity/Light Sensor
12. Charging/Scan LED

Back View

1. Laser Warning Label
2. Back Camera
3. Flash LED
4. Accessory Expansion Port
5. Battery Cover Lock Switches

6. Battery Pins

7. SIM/Micro SD Card Slot

8. Battery / Cover Latches

9. Battery Cover

10. Battery Pack

11. Battery Slot

12. Cradle IO Connecter/ USB Connecter

Installing the Battery Pack

1. Push the Battery Lock Switch to Open and remove the Battery Cover.

2. Align the Battery Pack and the device connectors and slide it into the Battery Slot.

3. Slide the Battery Cover into the place and switch to Battery Lock mode to fix the battery.

CAUTION
RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES PROPERLY ACCORDING TO LOCAL LAWS.

Charging Instructions
The TC605 battery pack is not initially fully charged, please fully charge the device before using it for the first time. After installing the battery pack, please charge it via the USB cable or the charging cradle. Replace the battery pack annually to ensure maximum performance. Avoid storing batteries for long periods of time in fully charged or very low battery level status. To maintain a moderate charge and maximize battery life, charge spare battery packs every two to three months.

SD / SIM Card Installation

1. Turn off the TC605 or enable "battery replacement mode".

2. Push the battery cover lock to the " Unlock " position, open the battery cover, and take out the battery pack.

3. Find the Nano SIM/Micro SD card tray above the battery slot and pull it out gently.

4. Insert the SIM card or Micro SD card into the correct slot and slide the tray back into place.

5. Replace the battery pack and battery cover. And then push the battery cover lock to the " Lock " position.

Scanning a Barcode Label

1. Point the scan window at the barcode you wish to scan.

2. Tap Scan on the Scan app screen or press a scan button on the TC605.

3. Center the laser red dot and crosshair aiming pattern on the barcode. Release the scan button to capture and decode the image.

Important Notices When Using

- Due to failure, shortened life, or unusual behavior, please confirm that the device has been used correctly, with no user operation issues involved.

- The manufacturer is not responsible for possible missing data or interference encountered during wireless transmissions.
- Do not use alcohol, benzene, organic solvents, cleaning liquid, or steel wool on the surface of this device.
- Do not scratch or mar the surface of the Scan Window in any way to avoid barcode scanning problems.

Bluetooth
This device was designed according to Bluetooth standard specifications, but compatibility issues may occur with other Bluetooth devices. The following environmental factors will affect the range of Bluetooth signals:

1. Walls, metal, human bodies, or other obstacles between the Bluetooth device and the connected device.
2. When devices using 2.4 GHz frequency signals (wireless LAN, wireless phones, microwave ovens, etc.) are placed near the device being used.
   When using Bluetooth devices other than mobile phones (TVs, laptops, etc.), the sound quality may be affected by the device specifications and performance.

Signal Interference from TV or Radio
Sometimes transmitting or receiving data may fail due to signal interference from nearby TV or radio devices.

Certificate information
SAR Information (European Union and UK)

Head: 1.431 W/kg@ 10g
Body: 1.292 W/kg@ 10g
Limbs: 2.754 W/kg@ 10g

European Union Regulatory Notes

1. Requirements for AT/BE/BG/CZ/DK/EE/FR/DE/IS/IE/IT/EL/ES/CY/LV /LI/LT/LU/HU /MT/ NL/NO/PL/PT/RO/SI/SK/TR/FI/SE/CH/UK(NI)/HR. 5150MHz~5350MHz is for indoor use only.
2. iMozen Group Inc declares that the radio equipment type for the TC605 is in compliance with Directive 2014/53/EU and Directive 2011/65/EU.

United Kingdom Regulatory Notes

1. Requirements for UK: 5250~5350MHz / 5945 to 6425 MHz (for LPI) is for indoor use only.
2. iMozen Group Inc declares that the radio equipment type for the TC605 is in compliance with Directive SI 2017 No.1206.
   The full text of the EU and UK declaration of conformity is available at the following internet address:
   www.imozengroup.com/support-category/download/

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 transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
- This device meets all the other requirements specified in Part 15E, Section 15.407 of the FCC rules.
- The product complies with the FCC portable RF exposure limit set forth for an uncontrolled environment and is safe for interned operation as described in this manual. Further RF exposure reduction can be achieved if the product is kept as for as possible from the user's body or if the device is set to a lower output power if such function is available.

Power and Frequency Ranges

Radio Type	Description	Frequency	Maximum Output
Bluetooth		2400~2483.5 MHz	10dBm
WLAN	2.4GHz	2400~2483.5 MHz	20dBm
	5GHz	5150~5250 MHz	23dBm
		5250~5350 MHz	20dBm
		5470~5725 MHz	20dBm
		5725~5850 MHz	14dBm
	6GHz	5945-6425 MHz	14dBm (VLP) 23dBm (LPI)
GSM (only TC605AN)	GSM 850	824~849 MHz	33dBm
	GSM 900	880~915 MHz	33dBm
	GSM 1800	1710~1785 MHz	30dBm
	GSM 1900	1850~1910 MHz	30dBm
WCDMA (only TC605AN)	WCDMA Band 1	1920~1980 MHz	24dBm
	WCDMA Band 2	1850~1910 MHz	24dBm
	WCDMA Band 4	1710~1755 MHz	24dBm
	WCDMA Band 5	824~849 MHz	24dBm
	WCDMA Band 6	830~840 MHz	24dBm

	WCDMA Band 8	880~915 MHz	24dBm
	WCDMA Band 19	830~845 MHz	24dBm
LTE (only TC605AN)	LTE Band 1	1920~1980 MHz	23dBm
	LTE Band 2	1850~1910 MHz	23dBm
	LTE Band 3	1710~1785 MHz	23dBm
	LTE Band 4	1710~1755 MHz	23dBm
	LTE Band 5	824~849 MHz	23dBm
	LTE Band 7	2500~2570 MHz	23dBm
	LTE Band 8	880~915 MHz	23dBm
	LTE Band 12	699~716 MHz	23dBm
	LTE Band 17	704~716 MHz	23dBm
	LTE Band 18	815~830 MHz	23dBm
	LTE Band 19	830~845 MHz	23dBm
	LTE Band 20	832~862 MHz	23dBm
	LTE Band 25	1850~1915 MHz	23dBm
	LTE Band 26	814~849 MHz	23dBm
	LTE Band 28	703~748 MHz	23dBm
	LTE Band 38	2570~2620 MHz	23dBm
	LTE Band 39	1880~1920 MHz	23dBm
	LTE Band 40	2300~2400 MHz	23dBm
	LTE Band 41	2496~2690 MHz	23dBm
	LTE Band 42	3400~3600 MHz	23dBm
	LTE Band 43	3600~3800 MHz	23dBm

	LTE Band 48	3550~3700 MHz	23dBm
	LTE Band 66	1710~1780 MHz	23dBm
5G NR (only TC605AN)	n1	1920~1980 MHz	23dBm
	n2	1850~1910 MHz	23dBm
	n3	1710~1785 MHz	23dBm
	n5	824~894 MHz	23dBm
	n7	2500~2570 MHz	23dBm
	n8	880~915 MHz	23dBm
	n12	699~716 MHz	23dBm
	n20	832~862 MHz	23dBm
	n25	1850~1915 MHz	23dBm
	n28	703~748 MHz	23dBm
	n38	2570~2620 MHz	23dBm
	n40	2300~2400 MHz	23dBm
	n41	2496~2690 MHz	26dBm
	n48	3550~3700MHz	23dBm
	n66	1710~1780MHz	23dBm
	n77	3300~4200MHz	26dBm
	n78	3300~3800MHz	26dBm
	n79	4400~5000MHz	26dBm
Other	NFC	13.56 MHz	-16.03 dBuA/m
Other (only TC605AN)	GNSS	L1 1575.42 MHz L5 1176.45MHz	Rx only

The frequency band is mainly in accordance with local laws and regulations and cooperation with telecommunications operators.

Partners
https://www.imozengroup.com/imozen-partners/

Documents / Resources

	iMozen group TC605 Rugged Mobile Computer [pdf] User Guide TC605, TC605 Rugged Mobile Computer, Rugged Mobile Computer, Mobile Computer, Computer

References

- **iMozen Group**
- **User Manual**