

MT-6210W
Mobile Terminal System
User Manual



Package Contents

- ✓ MT-6210W (x 1)
- ✓ 45W power adaptor (x 1)
- ✓ Protection case with rotatable hand strap, shoulder strap and stylus (**for option**, x 1)



MT-6210W is required to be charged over 8 hours when used for the first time.

FCC NOTES

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. 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.

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.

Federal Communication Commission (FCC) Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End user must follow the specific operating instructions for satisfying RF exposure compliance.

CE CLASS A WARNING

This equipment is compliant with Class A of CISPR 32. In a residential environment this equipment may cause radio interference.

AVERTISSEMENT CE CLASSE A

Cet équipement est conforme à la classe A de CISPR 32. Dans un environnement résidentiel, cet équipement peut provoquer des interférences radio.

MT-6210W Ver. E0

WARRANTY LIMITS

Warranty will terminate automatically when the machine is opened by any person other than the authorized technicians. The user should consult his/her dealer for the problem happening. Warranty voids if the user does not follow the instructions in application of this merchandise. The manufacturer is by no means responsible for any damage or hazard caused by improper application.

LIMITES DE GARANTIE

La garantie prend fin automatiquement lorsque la machine est ouverte par une personne autre que les techniciens autorisés. L'utilisateur doit consulter son revendeur pour le problème qui se produit. La garantie s'annule si l'utilisateur ne suit pas les instructions d'application de cette marchandise. Le fabricant n'est en aucun cas responsable de tout dommage ou danger causé par une mauvaise application.

警告

為避免電磁干擾，本產品不應安裝或使用於住宅環境。

SAFETY INSTRUCTIONS

This equipment is not suitable for use in locations where children are likely to be present.

CONSIGNES DE SÉCURITÉ

Cet équipement ne convient pas à une utilisation dans des lieux pouvant accueillir des enfants.

WARNING

Power cord shall be connected to a socket-outlet with earthing connection

ATTENTION

Le cordon d'alimentation doit être connecté à une prise de courant avec mise à la terre.

BATTERY WARNING

Risk of explosion if battery is replaced by an incorrect type. Dispose of expended battery in accordance with local disposal regulations.

AVERTISSEMENT DE BATTERIE

Risque d'explosion si la batterie est remplacée par un type incorrect. Jetez la batterie usagée conformément aux réglementations locales en matière d'élimination.

警告

- 本電池如果更換不正確會有爆炸的危險，請依製造商說明書處理用過之電池。
- 使用過度恐影響視力
- 注意事項：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。

NCC 警語

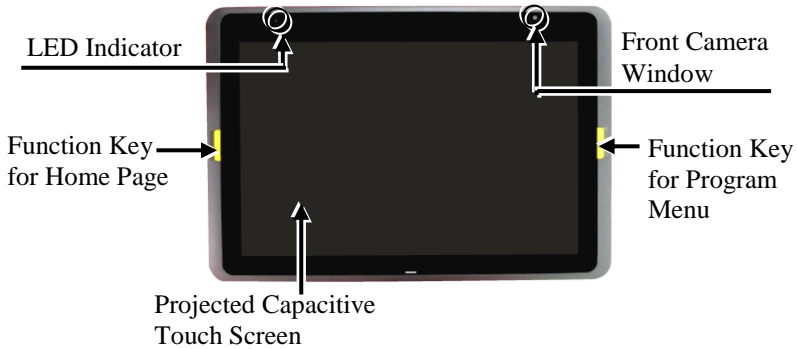
3.8.2 「取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。低功率射頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前述合法通信，指依電信管理法規定作業之無線電通信。低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。」
5.7.9.1 「應避免影響附近雷達系統之操作」。

Revision History

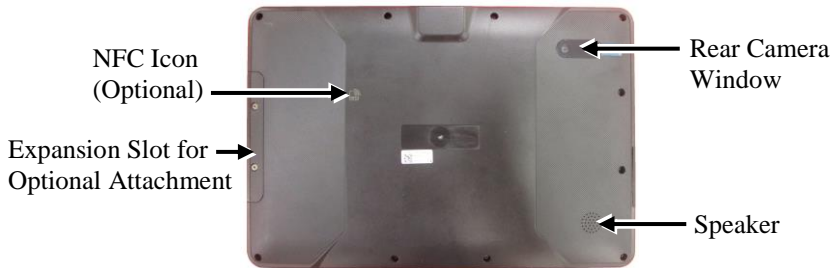
Date	Version	Description
2024/06/05	A0	For Preliminary Release
2024/07/16	B0	Add installation guide of replacing battery
2024/08/06	C0	Add charging time in spec. table
2024/08/27	D0	Remove the section “Installation guide of replacing battery” (Move the section to the technical manual).
2025/02/04	E0	Modify “Operating the Shoulder Strap” section. Mechanical design change.

Views of MT-6210W

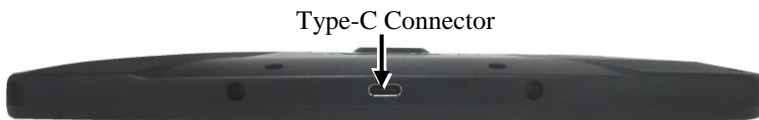
Front View



Rear View



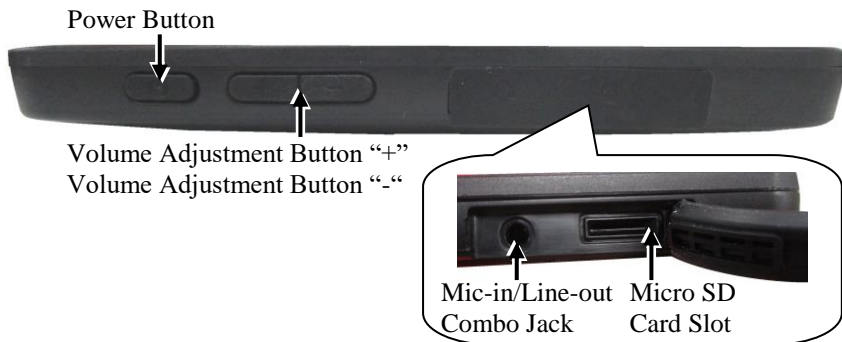
Bottom Side View



Top Side View



Left Side View



Charging the Battery

Below are some cautionary advices you need to keep in mind while you attempt to charge the battery.

1. **MT-6210W is required to be charged over 8 hours when used for the first time.**
2. **When the low battery warning message appears, please fully charge the battery to avoid data loss.**
3. **When the low battery capacity indicator beams or low battery warning message appears, please charge the battery immediately.**
4. **Only charge the battery with power adapter which comes with MT-6210W. Using a different power adapter may damage your device.**
5. **When the battery is running very low (less than 6 percent of battery capacity), the system will be automatically shut down to protect the battery from being over-discharged.**

Please go through the following instructions to charge MT-6210W using the power adapter.

1. Find the type-C connector on the bottom side of your tablet, and then connect the type-C power adaptor to it.



2. Plug the AC power adaptor into an electrical outlet to initiate the charging process.

Note: If the tablet has not been turn on for more than 3 months. Please use the Type-C power adapter to charge the battery.

Status LED Indicator

LED indicator is specially designed to deliver special message regarding the current system status and battery life. The below chart enumerates all the possible LED indicators and its meaning for your reference.

LED Status	System Status	Descriptions
Solid Blue	ON	■ System booting.
Solid Red	ON	■ System is being charged.
Blinking Green	ON	■ Barcode scanner good read.
Blinking Red	ON	■ Battery charging error occurs.
OFF	ON	■ System enters sleep mode. ■ Battery is fully charged.
OFF	OFF	■ System powers off

Powering ON/OFF MT-6210W

Shipping Mode

MT-6210W tablet will be set to shipping mode when shipped. **When customers receive the product for the first time, they need to use the Type-C power adapter which provided in the packing to turn on the tablet.** After the first boot is completed, the power button can be used to turn on the power.

Power ON MT-6210W

To power on MT-6210W, keep pressing the power button of the machine for 1-3 seconds. If the tablet falls into the sleep mode after remaining idle for a specific period of time, push the power button to wake the device up.

Power OFF MT-6210W

When MT-6210W stays in idle mode, push the power button to put your device into sleep mode, and press the power button again to wake up the tablet. To completely shut down the machine, you need to press and hold the power button for at least 10 seconds. In the case the system halts for unknown reasons, you are advised to hold down the button until a system shutdown is initiated.

Note: If the tablet has not been turn on for more than 3 months. Please use the Type-C power adapter to charge the battery.

Operating the Barcode Scanner (Optional)

MT-6210W model is equipped with an optional barcode scanner on the top side of the tablet. For more detailed information, please refer to the barcode scanner user manual. Scan the below barcode to restore **Manual Trigger defaults.**

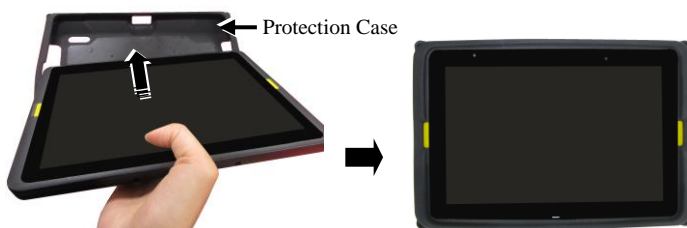


Default Barcode Setting

To do the further setting of the scanner engine, please find the relevant user manual on Posiflex Global Website, (<https://www.posiflex.com/document/user-manual/?pmid=94,110&pid=1055>) or contact the service team for technical support.

Operating the Rotatable Hand Strap (Optional, bundled with Protection Case)

1. Install the protection case.



2. Then you can use the rotatable hand strap like the picture below.



Operating the Shoulder Strap (Optional, bundled with Protection Case)

Please follow below instructions to use the optional shoulder strap.

1. Hook the shoulder strap.



2. Installation completed.



Installing an Operating System

You are highly advised NOT to install or change the Windows operating system and drivers which are preloaded on MT-6210W without professional instructions. Not only might the careless handling during installation cause irreversible damage to your system, but also the improper installation likely leads to system malfunction or failure. Please contact with your dealers about the issues of operation system installation.

Performing System Recovery

For MT-6210W models with preloaded operating systems, you are NOT encouraged to recover your system without the help of the system integrators. Please be advised to contact your service center for further assistance with system recovery.

Installing Optional Upgrade Kits

Posiflex MT-6210W can work with multiple optional upgrade kits, such as MSR, Smart Card Reader and the like. For the detailed instructions, refer to the user manual related to each peripheral devices.

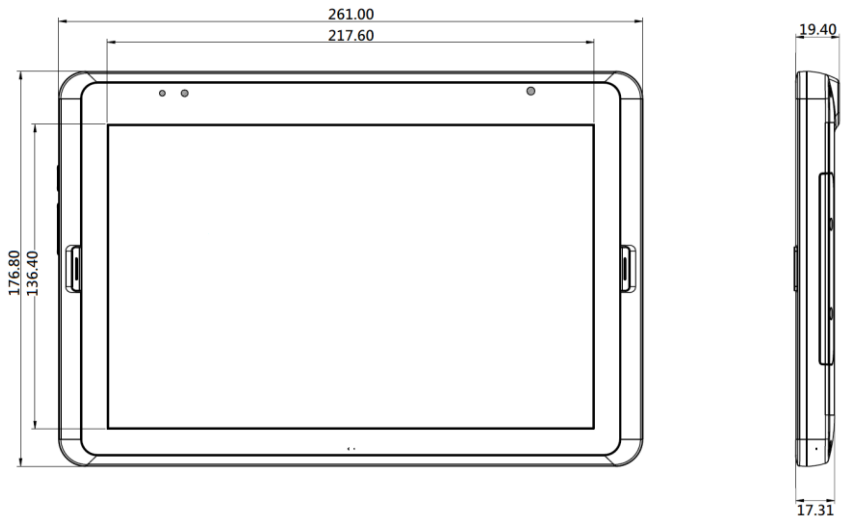
Specifications

MT-6210W	
System	
CPU	Elkhart Lake N6210
Memory	LPDDR4 8GB (default), upgradable to 32GB (max.)

MT-6210W	
Front Camera	2M pixels, FF, front facing camera
Rear Camera	5M pixels, AF, rear facing camera
Sensors	G sensor, ambient light sensor
Battery	7.70V/5930mAh
Operating Time	At least 6Hrs
Charging Time	3.5Hrs Note: Please avoid charging in extremely high or low temperature. The battery performs optimally in an ambient temperature of +5 °C to +35 °C. The charging time depends on environmental factors.
NFC	NFC function as option
Storage	
Storage	64GB eMMC (default), upgradable to 1TB 1 x micro SD card slot
OS Support	
OS Support	Windows 10 IoT / Windows 11 IoT
Display & Monitor	
Display	10.1" TFT LCD with LED backlight, 1280 x 800
Touch Screen	P-CAP touch with multi-touch support
Expansion	
Wireless connectivity	WiFi IEEE 802.11a/b/g/n/ac/ax (WiFi6) + BT 5.2
Power	
Power Supply	Power adapter: 45W (Type-C connector) Type-C input power 15VDC/3A
Outside I/O Ports	
Audio	1 x built-in speaker + 1 x mic-in/line-out combo port
Docking Port	1 x type-C as docking connector & power charging function
Power Switch Button	Yes
LED Indicator	Blue/green/red color LED x 1
Optional Item	
2D barcode scanner	2D barcode scanner as option
Mechanical	
Dimension	261 (L) x 176.8 (W) x 19.4 (D) in mm

MT-6210W	
Weight	970g
IP Rating	IP54
Environmental	
Operating Condition	0°C - 40°C, 20%RH - 90%RH
Storage Condition	-20°C - 60°C, 10%RH - 90%RH
Attachment	
TA-620	Side attachment with MSR and fingerprint sensor
CS-640	Docking station: USB3.0 x 2 + GbE LAN x 1 + serial COM port x 1 + type-C power connector x 1
MC-610R	10.1" Protection case with rotatable hand strap, shoulder strap and stylus, without NFC icon
MC-610NR	10.1" Protection case with rotatable hand strap, shoulder strap and stylus, with NFC icon

Outline Dimension



※ The product information and specifications are subject to change without prior notice.