

MT-4308W/4310W/4210A
Mobile Terminal System
User Manual



MT-4308W/R
MT-4310W/R
MT-4210A/R



Package Contents

- ✓ MT-4308W/R or MT-4310W/R or MT-4210A/R (x 1)
- ✓ Pistol grip (x1)
- ✓ 15W power adaptor (x 1)
- ✓ Stylus (x 1)
- ✓ RB-3000 Battery pack for pistol grip (x 1)
- ✓ User manual (x 1)
- ✓ Barcode scanner user manual (x 1)

MT-4308W/H
MT-4310W/H
MT-4210A/H



Package Contents

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- ✓ 15W power adaptor (x 1)
- ✓ Stylus (x 1)
- ✓ User manual (x 1)



MT-4308W/4310W/4210A is required to be charged over 8 hours when used for the first time.

12550900030 Ver. B0

<http://www.posiflex.com>

Product Feature

Ergonomic Design

Pistol grip shape handle is ergonomically designed for easy handling of the tablet.

Extra Protection

Hand strap strengthens the stability and eases user's fatigue during the hours of work.

All-in-one Solution

Optional dock station equips with a built-in 3" thermal printer and various I/O connectivity; once the tablet is integrated with the dock station, an all-in-one POS is instantly at your disposal.

Versatile Function

MSR attachment and 1D or 2D barcode scanner built in the pistol grip; MT-4308W/4310W/4210A offers more than just mobility but versatility.

Long Hour Operation

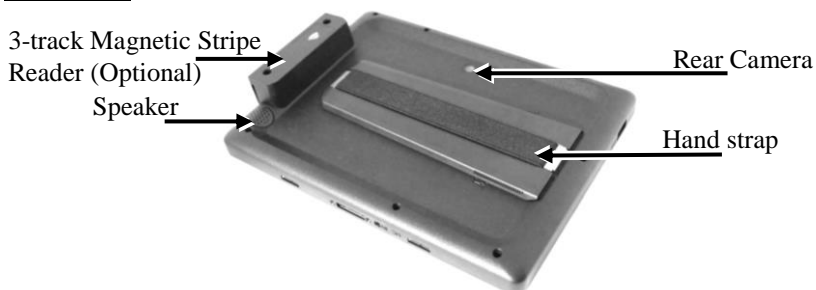
MT-4308W/4310W/4210A is designed with advanced power saving technology that provides long battery life for daily operation. The pistol grip also houses a removable battery that can vastly extend the overall operating time.

Views of MT-4308W/H

Front View



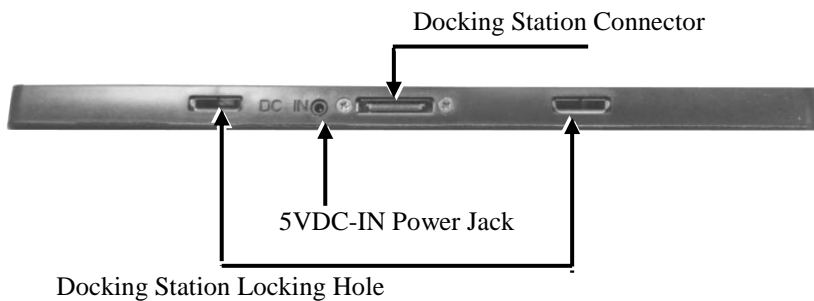
Rear View



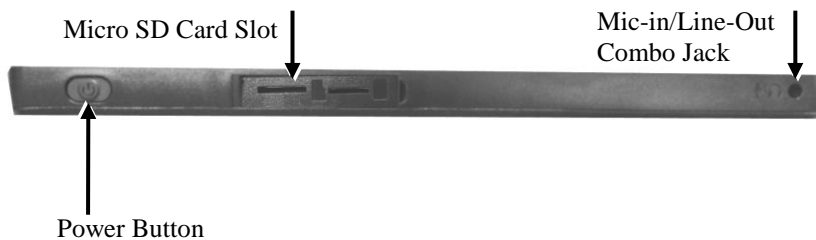
Top View



Left Side View



Right Side View



Views of MT-4310W/H & MT-4210A/H

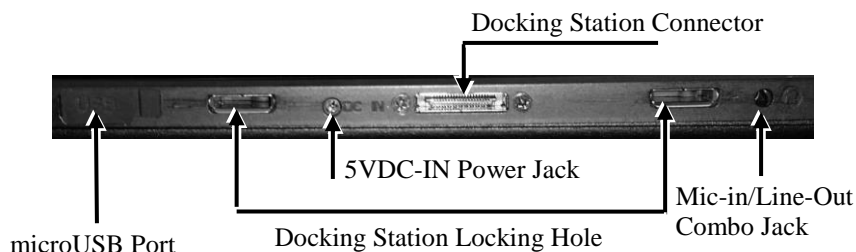
Front View



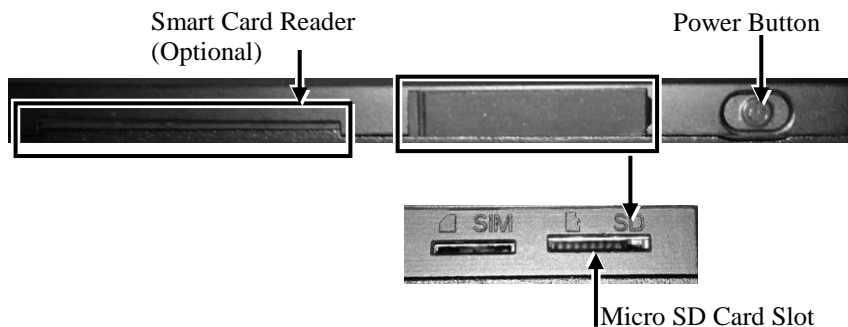
Rear View



Left Side View



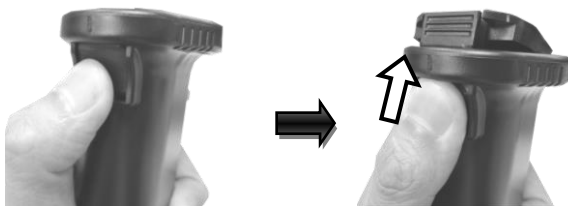
Right Side View



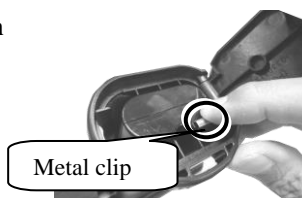
Load RB-3000 Battery Pack and a stylus into Pistol Grip PG-200E (for MT-4308W/R & MT-4310W/R & MT-4210A/R)

MT-4308W/R, MT-4310W/R and MT-4210A/R with PG-200E pistol grip support 1D CCD, 1D Laser, and 2D barcode scanner. Before the scanner can be initiated, it is required to install the battery pack RB-3000 and a stylus in the battery compartment inside the pistol grip. Please follow the steps listed below to finish the installation.

1. Press down the lever and then push up the cover for battery compartment as shown in the figure.



2. To replace the existing battery, gently push the metal clip outwards to release the battery. If you are installing the battery for the first time, please skip to the next step.



3. After having the rail on the battery pack aligned with battery clip, push down the battery pack into battery compartment.



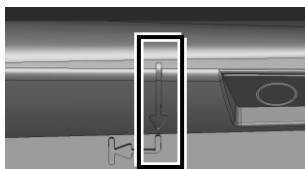
4. Push down the cover to close the battery compartment.



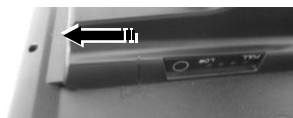
Connecting the Pistol Grip onto MT-4308W/R & MT-4310W/R & MT-4210A/R

MT-4308W/R, MT-4310W/R and MT-4210A/R models are equipped with an additional pistol grip which aims to help users grip the terminal more easily while they are operating the scanner. Please refer to the following instructions to install the pistol grip onto the tablet.

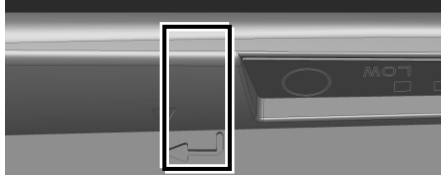
1. To attach the pistol grip to the tablet, align the arrow head on the top side of the pistol grip with the tail of the arrow on the rear of the tablet.



2. After ensuring the pistol grip is well attached to the tablet, push the pistol grip in the direction indicated by the arrow as shown in the figure.



3. Make sure the head of the down arrow on the pistol grip is supposed to be aligned with the head of the arrow on the rear side of the tablet as the below figure shows, which indicates the pistol grip is well mounted.



4. To check how much battery capacity remains in PG-200 pistol grip, press the battery capacity checking button on the pistol grip to show the current battery capacity level through the LED indicator.



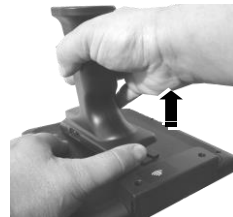
Replacing the Pistol Grip with a Hand Strap Cover (Optional)

The hand strap cover is an optional peripheral designed for users to easily hold the tablet for operation. To replace the pistol grip with a hand strap cover, follow the steps listed below.

1. While pushing the release lever to the left (1), slide the pistol grip in the direction indicated by the arrow in the figure (2).



2. Pull the pistol grip off from the tablet.



3. Align the hand strap cover with the grooves on the rear side of the tablet.



4. Make sure that the hand strap cover is well attached to the rear side of the tablet.



5. Slide the hand strap cover up in the direction indicated by the arrow until it is clicked into place.



6. Fasten the hand strap cover onto the tablet using a screw.



Replacing the Hand Strap Cover with a Pistol Grip (Optional)

Please follow the below steps to replace the hand strap cover with a pistol grip.

1. Loosen the screw to remove the hand strap cover from the tablet.



2. Slide the hand strap cover down in the direction indicated by the arrow.



3. Remove the hand strap cover from the rear side of the tablet.

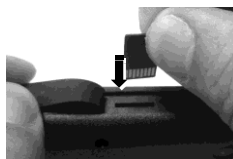


4. Go through the **Connecting the Pistol Grip onto MT-4308W/R & MT-4310W/R & MT-4210A/R** section which is described previously to complete the installation of the pistol grip onto the tablet.

Installing micro SD Card card in MT-series

Please follow the below steps complete the installation of micro SD card.

1. Turn off MT-series completely. Then, pull off the rubber cover located on the right side of your tablets to find micro SD card slot
2. To insert a micro SD card into the micro SD card slot, make sure the side with the golden finger of the card faces downwards, and then slide the card down into the slot
3. Pull off the rubber cover to close the compartment.
4. If you attempt to release a micro SD card from the slot, push the card with your fingertip to slide it out.



Charging the Battery

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

1. **MT-4308W/4310W/4210A is required to be charged over 8 hours when used for the first time.**
2. **When the low battery warning message appears as shown below, please fully charge the battery to avoid data loss.**



3. **When the low battery capacity indicator on the pistol grip beams or low battery warning message appears, please charge or replace the battery for the pistol grip immediately.**
4. **Only charge the battery with power adapter which comes with MT-4308W/4310W/4210A. 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-4308W/4310W using the power adapter.

For MT-4308W/R & MT-4310W/R & MT-4210A/R

In considering the battery life could be consumed drastically under heavy usage, you may also choose to purchase either another replacement battery RB-3000 for the pistol grip or the battery charger CS-100 for rapidly charging the replacement battery RB-3000.

1. Connect the power connector of the power adaptor to the tablet.



2. Plug the AC power adaptor cord into an electrical outlet. In general, the tablet battery will be charged first. Once the process of charging the tablet is complete, the pistol grip battery will then be charged.

For MT-4308W/H & MT-4310W/H & MT-4210A/H

1. Find the power jack on the left side of your tablet, and then connect the power connector of the power adaptor to it.
2. Plug the AC power adaptor cord into an electrical outlet to initiate the charging process.

Status LED Indicator

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

LED Status	System Status	Descriptions
Solid blue	ON	■ System booting.
Solid Orange	ON	■ System is being charged.
Blinking Orange	ON	■ Battery charging error occurs
OFF	ON	■ System enters sleep mode. ■ System has been booted to Windows. ■ Battery is fully charged.
OFF	OFF	■ System powers off

Powering ON/OFF MT-4308W/4310W/4210A

Power ON MT-4308W/4310W/4210A

To power on MT-4308W/4310W/4210A, keep pressing the power button of the machine for 5-10 seconds. If the terminal 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-4308W/4310W/4210A

When MT-4308W/4310W/4210A 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 20 seconds. In the case the system halts for unknown reasons, you are advised to hold down the button until a system shutdown is initiated.

Operating TA-220/300 Magnetic Stripe Reader (Optional)

MT-series models also offer MSR solutions. As optional items, TA-220/300 both allow you to integrate built-in MSR into MT-series tablet. However, TA-220 mainly supports MSR with RFID but TA-300 is an attachment combined with three-track MSR and finger printer sensor.

Please go through the following instructions on how to operate magnetic stripe reader provided via TA-220/300.

1. Have the side with the magnetic stripe of a card face the touch panel of the tablet.
2. Swipe the magnetic stripe card along the track of the reader from top to bottom or from bottom to top.



Operating the 1D/2D Scanner (for MT-4308W/R & MT-4310W/R & MT-4210A/R)

MT-4308W/R, MT-4310W/R and MT-4210A/R models are equipped with an optional 1D CCD, 1D Laser, or 2D scanners features 1D and/or 2D barcode scanning. It also supports two types of USB interfaces, USB HID or USB Virtual COM, and the scanner is generally set to USB HID mode by default. For more detailed information, please refer to the barcode scanner user manual.



Mounting TA-500 onto MT-series Tablet (Optional)

TA-500 is an external battery pack kit mainly designed to provide extra battery life to MT-series tablet. For the detailed installation instructions, please refer to TA-500 user manual.



Installing an Operating System

You are highly advised NOT to install or change the Windows operating system and drivers which are preloaded on MT-4308W/4310W/4210A 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-4308W/4310W/4210A 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-4308W/4310W/4210A 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-4308W	MT-4310W/4210A
CPU	Intel Cherry Trail Atom x5-Z8350, 1.84GHz	
DRAM Memory	2GB DDR3L-RS	
OS	Windows Embedded 8.1 Industry Pro (64-bit only), Windows 10 IoT (32-bit & 64-bit) (No S0IX mode support)	Windows 10 IoT (32-bit & 64-bit) for MT-4310W Anroid for MT-4210A
Display	8" TFT LCD with LED backlight, 1024 x 768 or 1280 x 800	10" TFT LCD with LED backlight, 1280 x 800
Touch Screen	P-CAP touch	
Storage	eMMC 32GB or 64GB	eMMC 64GB
Wireless connectivity	WiFi IEEE 802.11ac, a/b/g/n dual +BT 4.0	
Power Supply	5V/3A 15W power adaptor	
Rear Camera	8M pixels	
Internal Speaker	Yes	
Ambient Light Sensor	Yes	

	MT-4308W	MT-4310W/4210A
Audio	Mic-in/Line out combo jack x 1	
3G	Yes, optional	
USB Port	Micro USB x1 (non OTG USB Port)	
DC-in Jack	Yes	
Power Switch Button	Yes	
Battery Pack	3.7V/ 4800 mAh, 17.76 Wh	
LED Indicator	Blue color LED x 1 Orange color LED x 1	
Optional Item		
Smart Card Reader(*)	N/A	Yes
Sunlight readable	N/A	Sunlight readable panel display
Attachment		
TA-220	Side attachment with three-track MSR and RFID	
TA-300	Side attachment with three-track MSR and finger print sensor	
TA-500	Battery Pack Kit	
PG-200E	Pistol grip supports 1D/2D barcode scanning.	
DS-300/310	Dock Station: USB 2.0 x 3 + GbE x 1 + Serial Port x 2 + CR Port x 1 + 3” WiFi Printer x 1	

Note: (*) Either smart card reader or 3G module can be installed into MT-4310W system.

※ The product information and specifications are subject to change without prior notice. To get the detailed information on the MT-4308W/4310W/4210A, please check this model from Posiflex Global Website

Federal Communication Commission Interference Statement

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.

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.

For product available in the USA/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible.

This device is restricted to indoor use.

IMPORTANT NOTE:

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.

<MEMO>