

TX-6000/6000E/6100/6100E
Fanless POS Box
User Manual

POSIFLEX



TX-6000/6100



TX-6000E/6100E

Package Contents

- ✓ TX-6000/6000E/6100/6100E POS box.....(x1)
- ✓ 12VDC/60W power adaptor (TX-6000/6100)
or 12VDC/150W power adaptor (TX-6000E/6100E).....(x1)
- ✓ Power cord.....(x1)
- ✓ Wall-mount bracket (optional).....(x1)

SOME IMPORTANT NOTES

FCC NOTES

This system meets industry & government requirements and applicable standards. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions manual, may cause interference to radio communications. It has been tested and found to comply with limits for a Class A digital device pursuant to subpart B of Part 15 of FCC Rules, which are designed to provide reasonable protection against interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures to correct the interference.

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.

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.

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.

警告使用者

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

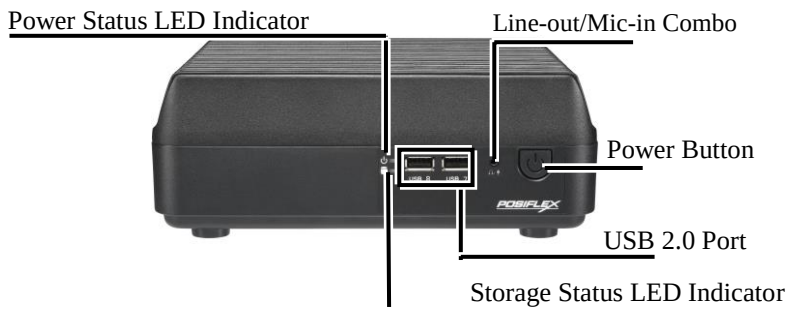
Risque d'explosion si la batterie est remplacée par un type incorrect. Jetez la batterie usagée conformément aux réglementations locales en matière d'élimination.

警告

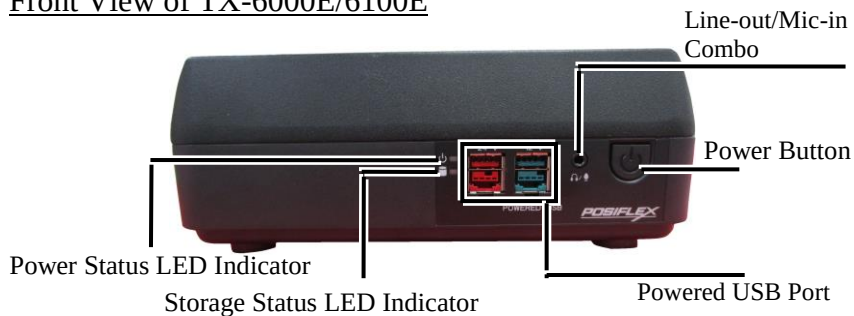
本電池如果更換不正確會有爆炸的危險，請依製造商說明書處理用過之電池。

Views

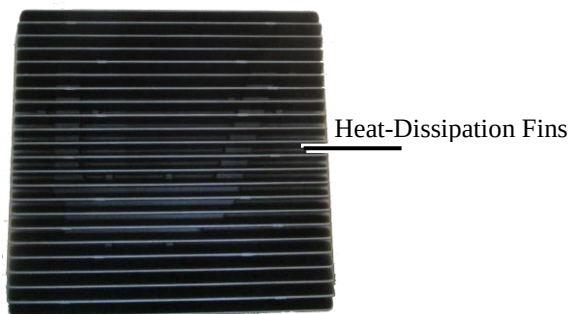
Front View of TX-6000/6100



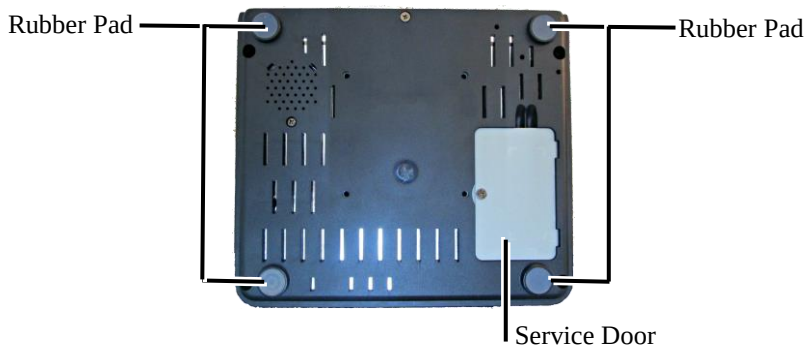
Front View of TX-6000E/6100E



Top View of TX-6000/6000E/6100/6100E

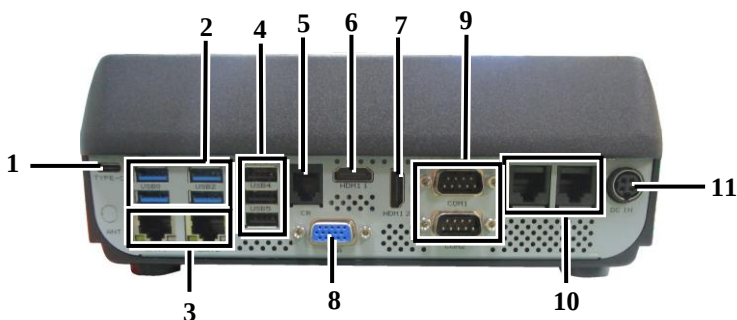


Bottom View of TX-6000/6000E/6100/6100E



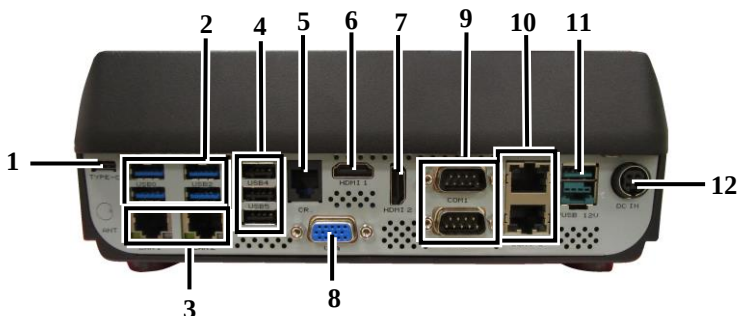
Rear I/O Ports

TX-6000/6000E



- | | | | |
|----|------------------------|----|-------------------------|
| 1 | Type-C port | 2 | USB 3.0 ports |
| 3 | RJ45 LAN port | 4 | USB 2.0 ports |
| 5 | Cash drawer (CR) port | 6 | HDMI port |
| 7 | HDMI port | 8 | VGA port |
| 9 | Serial COM (DB9) ports | 10 | Serial COM (RJ50) ports |
| 11 | 12VDC-IN power jack | | |

TX-6100/6100E



- | | | | |
|----|------------------------|----|-------------------------|
| 1 | Type-C port | 2 | USB 3.0 ports |
| 3 | RJ45 LAN port | 4 | USB 2.0 ports |
| 5 | Cash drawer (CR) port | 6 | HDMI port |
| 7 | HDMI port | 8 | VGA port |
| 9 | Serial COM (DB9) ports | 10 | Serial COM (RJ50) ports |
| 11 | 12V Powered USB port | 12 | 12VDC-IN power jack |

Connecting Power Adapter and I/O Cables

To have the terminal ready for operation, please connect the connector of power adapter and all of the connectors of required I/O cables respectively to the 12VDC-IN power jack and appropriate I/O ports. Please make sure that each of the cables is fully connected to the correct port. Damages due to incorrect connection or orientation are not covered by product warranty!

Some cable connectors like the connectors of LAN or cash drawer (CR) cables have to be gently inserted until a click is heard. It is recommended that the I/O ports, such as COM port, parallel port, and VGA port, should be screwed after the I/O cable connectors are completely connected. And please make sure that each connector has to be connected to the right peripheral device in the right way.

CAUTION: On doing insertion or extraction of a cable connector, please always hold the connector head itself instead of pulling the cable wire. Doing this could damage the cables and ports, which is considered as an artificial damage and is not covered by the warranty. The means of power cord should be connected to a socket-outlet with earthing connection.

ATTENTION: Lors de l'insertion ou de l'extraction d'un connecteur de câble, veuillez toujours tenir la tête du connecteur elle-même au lieu de

tirer le fil du câble. Cela pourrait endommager les câbles, ce qui est considéré comme un dommage artificiel et n'est pas couvert par la garantie. Le cordon d'alimentation doit être connecté à une prise de courant avec mise à la terre.

Note: The COM ports of TX-6000/6000E/6100/6100E do not supply power by default. To make the COM ports supply power, you can set up the COM ports through the dedicated settings listed in the table below.

	TX-6000/6000E/6100/6100E		
	COM1/2/3/4		VGA
	5VDC	12VDC	12VDC
BIOS Setting	V		V
Jumper Setting		V	

The VGA port of TX-6000/6000E/6100/6100E can supply +12VDC power through system BIOS setting for Posiflex LCD monitor. Nevertheless, except Posiflex VGA monitor, do not connect any other monitor to this port with VGA power enabled.

Installing Optional Peripheral Devices

Posiflex TX-6000/6000E/6100/6100E can work with multiple optional peripheral devices, such as LCD monitor, cash drawer and the like.

Before installing an optional peripheral device, make sure that the system is powered off and the external power source is removed from the POS box to prevent electric hazard! Failure to follow the warning description will void the product warranty!

For the detailed instruction, refer to each of the user manuals of the optional peripheral devices.

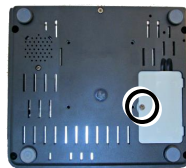
Installing an Optional Second Storage (SSD)

The TX-series system is provided with a second storage bracket for you to install an optional second storage. To avoid users from damaging the main board of the system, it is highly recommended that the optional second storage installation is implemented by professional technicians.

Installing a Memory Upgrade Module

The TX-series system is provided with two DRAM slots for you to expand or replace memory. Before shipping, one memory has been inserted into one socket of the main board. To expand or replace memory, follow the two steps below.

1. Loosen and remove the screw from the service door, and then remove the service door.



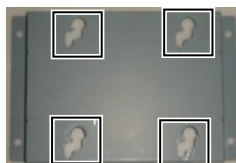
To avoid users from damaging the main board of the system, it is highly recommended that the memory expansion and replacement are implemented by professional technicians.

Mounting the TX-6000(E)/6100(E) on the Wall (Optional)

1. Fix the wall mount bracket onto the wall by using attached plastic anchors and four M3.5-16L screws.
2. Do spiral insertion of 4 M4-7L screw bolts into the 4 screw bolt holes.



3. Lineup the 4 screw bolts to be inserted into the 4 tracks. Then slide downwards the system along the track until a click sound is given for completely mounting the system with the bracket on the wall.



For detailed installation description, please refer to the WB-4200 bracket installation guide.

Powering ON/OFF the POS Box

Power ON TX POS Box

Press down the power button to power on the TX POS Box.

Power OFF TX POS Box

In most cases, push the power button again to power the system off. However, if the POS box halts for unknown reasons, please be advised to hold the power more than 10 seconds to initiate a forced shutdown.



Status LED Indicator

There are two status LED indicators, power status LED indicator and SSD status LED indicator, on the front side of the TX-6000/6000E/6100/6100E. After powering ON the POS system, you can read the system operation status from the power and SSD status LED indicators. The LED status is described below.

LED	Status	Description
POWER	Solid green	System power ON
	Solid red	System standby
SSD	Flash green	Data access

Installing an Operating System

This product is highly professional equipment. Therefore, we do NOT encourage you to install any operating system into this machine without professional assistance. Posiflex Technology, Inc. shall not be responsible for any technical support to questions on this aspect. We suggest that you contact your dealer for OS installation.

Driver Download

If your POS terminal is shipped without OS pre-installed, please download the relevant driver that you need from the Posiflex website

(<https://download.posiflex.com/zh-TW/Download/index/driver/POS-Box/TX-6100>).

Operating System Recovery

For TX-6000/6000E/6100/6100E models with preloaded operating systems, you are not encouraged to recover your system without the help of system integrators. Please be advised to contact your service center for further assistance with system recovery.

Operation Environment

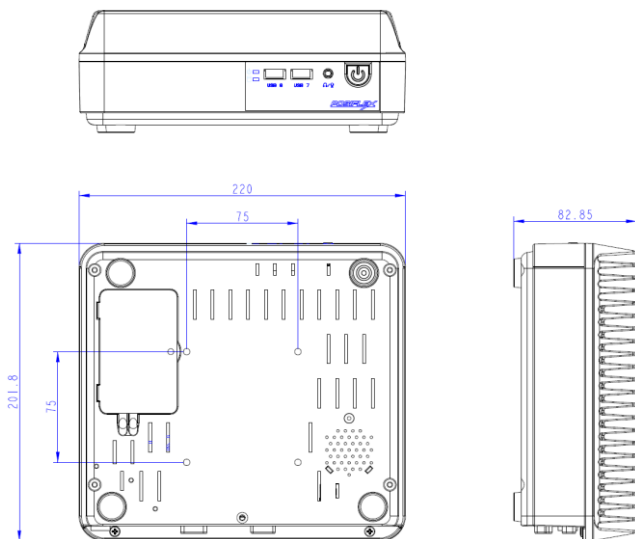
This terminal must NOT be operated in an environment with restricted ventilation. There must be at least 25 mm air clearance around any top or side ventilation holes with a free flow of air around the unit at all times for system operation.

Specifications

	TX-6000/6000E/6100/6100E
CPU	Intel Tiger Lake Core i3-1115G4E Intel Tiger Lake Core i5-1145G7E Intel Tiger Lake Core i7-1185G7E
Memory	DDR4 SO-DIMM x2

	TX-6000/6000E/6100/6100E
Storage	2 x M.2 2280 slot (support both SATAIII signal and PCIe signal)
OS	Windows 10 IoT LTSC
TPM	Yes, TPM2.0
vPro	Yes, with Core i5 & i7 CPU
RAID	Yes
VGA Port	VGA(DB15 pin) x 1
HDMI Port	HDMI x 2
Type-C Port	Type-C x 1
Serial Port	DB9 x 2 + RJ-50 x 2 for COM1 ~ COM4 COM5 & COM6 pin header through service door
Ethernet Port	10/100/1000 Mb x 2
Power Supply	TX-6000/6100: 12VDC power adaptor, 60W TX-6000E/6100E: 12VDC power adaptor, 150W
CR Port	CR port x 1, controlling 2 cash drawers
Standard USB Port	TX-6000/6100: USB 3.0 x 4 + USB 2.0 x 5 TX-6000E/6100E: USB 3.0 x 4 + USB 2.0 x 3
PoweredUSB Port	TX-6000/6100: N/A TX-6000E: 1 x 24V poweredUSB + 1 x 12V poweredUSB TX-6100E: 1 x 24V poweredUSB + 2 x 12V poweredUSB
Audio Port	MIC-in / line-out x 1 & internal speaker x 1
Extension Slot	1 x M.2 2230 slot for WiFi/BT module
Mechanical Installation	Desktop or wall mount, VESA mount 75 x 75
Wall-Mount Bracket	Optional, WB-4200
LED Indicator	1 x power status LED 1 x storage status LED
COM 5/6 Extension Cable	Optional for COM 5/6 pin header inside service door
Dimension (W x D x H)	220 x 202 x 83 mm
Weight	2.75 kg
Operating Condition	0°C - 40°C, 20%RH - 90%RH
Storage Condition	-20°C - 70°C, 10%RH - 90%RH

Outline Dimension



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