TX-3700 Series
Fan Free Terminal
User's Manual

Rev.: A0

FCC Notes:
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 J 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 owns expense will be required to take whatever measures to correct the interference.

Warranty Limits:
Warranty terminates automatically when any person other than the authorized technicians opens the machine. The user should consult his/her dealer for the problem happened. 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.

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ALERT TO OUR HONORABLE CUSTOMERS:

Please always read thoroughly all the instructions and documents delivered with the product before you do anything about it. Don't take any premature action before you have a full understanding of the consequences.

DAILY MAINTENANCE GUIDE

For regular cleaning of the TX systems, please use only soft haired brush or dry soft cloth. You may use moist soft cloth to remove stains when necessary. Apply only suitable amount of mild neutral cleaner for obstinate stains. Please note that never use Acryl dissolving solvent or Polycarbonate dissolving solvent. You may apply ammonia-based glass cleaner only on the screen surface.

ABOUT THIS PRODUCT

Posiflex TX-3700 presents a whole new generation POS terminal which with the most reliable Fan free system and carrying a brilliant performance to user in order to face the busiest situation. This terminal applies Intel Cedar View CPU technology; fast speed Ethernet as well as plenty of connects ports of Power USB, USB, Serial, VGA and CR ports and designed with gorgeous appearance and small footprint for counter space saving.

TX-3700 terminal can assist small and medium business to serve customer effectively, fast and precise. This small and fully functional system is suitable for various kinds of segments, such as general retailer, hospitality and restaurant with very limit space.

- Dual Core Intel Processor with 1M cache
- Supports various operating systems
- Supports Power USB with one 12V/1A and one +24V/2A port
- CR port controlling up to 2 cash drawers.
- Supports wall mount application and VESA 75mm standard.

INTRODUCTION

Power Switch with
LED Indicators

I/O Panel

PRODUCT SPECIFICATIONS

Item	Description
CPU	INTEL Cedar view-D2550 1.86G, 1M Cache, Dual Core
Chipset	Intel NM10
VGA port	D-SUB 15Pin, supports +12V output
Memory	DDR3 1066, SO-DIMM x 1 , 1/2/4GB
Serial port	COM1, COM2, COM3, COM4[1] (Optional) COM1/2/3 supports +5V/+12V; COM4 supports +5V[2]
VGA port	Standard one VGA; VGA2 is optional1
UPS port	12V BAT
CR port	1, controlling up to 2 cash drawers
USB	USB0, USB1, USB2, USB3
Power USB	+12V/1A X1, +24V/2A X1
LAN port	10/100/1000 MB
Storage	2.5" SATA HDD or SSD (8GB up to 64GB)
Power switch	Soft Switch
Installation	Desk Top or Wall Mount
Power saving	Suspension mode
Power supply	12V DC power adaptor, 120W
LED	Power ON/ standby, bi-color LED, Ethernet Link LED on Ethernet Connector
OS support	XP Pro, POSReady 7, Win 7, POSReady 2009, Linux

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[1] COM4 and VGA2 port can not co-exist, and must be specified on order.
2 +5V output configured by software settings; +12V output configured by jumper settings.

Option Items:

Note: The underlined items in the following list means that option must be set prior to shipment from the factory. The rest items can be set by the dealers.

a) DDR3 memory expansion up to 4GB max.
b) Integrated upgrade kit: WB-6812 Wall mount bracket.
c) <u>Preload OS Win XP Pro, Win 7, POS Ready 7, POSReady 2009, Linux</u>
d) 24V Power USB cable for compatible printer

INSTALLATION GUIDES

Hardware Power Switch

The power switch located in the front bezel of main unit. It is a pushbutton switch and controls the power on/off of the whole system.

This power switch turns the system on when pushed only. This switch turns the system off when pushed again during power on status. However, if the system hangs due to any reason such as software resource conflict, a simple push on the switch in 10 sec may turn off the power.

Note: There must always be at least 10 seconds waiting before switching on again once the system is powered off successfully.

LED Indicator for Power

Beside the Power switch is an LED indicator showing the power status. The Power LED indicator's behaviors are shown in the following table.

LED Color	Description
Orange	Power supply is well connected. The terminal is on standby.
Blue	The terminal has been powered on.

CAUTION: Before any installation or cable connection to the set, please always make sure that the system is turned off and the external power source to the set is removed to prevent electric hazard! Never touch any metal pin in the connectors or circuits to avoid high voltage hazard or electrostatic discharge damage unless the operator is well grounded. Failure to do the above will void the product warranty!
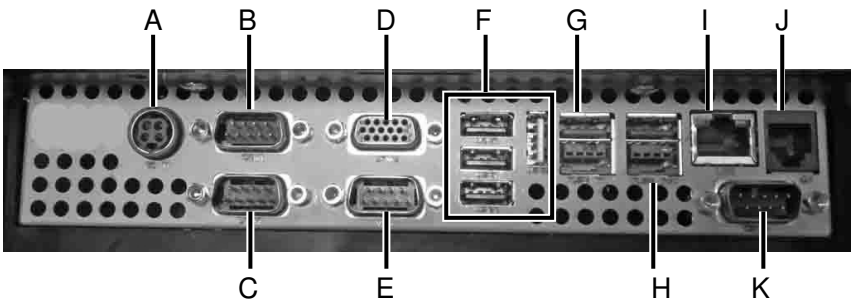
Display Issues

VGA Port

The VGA port on TX-3700 supports either a separately connected LCD monitor or touch monitor. To support the DC power to the display monitor, it required a qualified technician to set up through BIOS setting. **Do not connect other monitor to this port before the power in this port is disabled.**

I/O Panel

I/O panel is on the rear side of the terminal and houses various I/O ports, as described in the following figure and table.

Call out	Label	Description
A	DC IN	Connecting to 12V/150W power supply
B	COM1	Com port, connecting to peripherals
C	COM2	Com port, connecting to peripherals
D	VGA	Connecting primary display
E	COM3	Com port, connecting to peripherals
F	USB0-3	4 USB ports, connecting to USB devices
G	PUSB 12V	+12V Power USB
H	PUSB 24V	+24V Power USB
I	LAN	LAN port, connecting to Ethernet

J	CR	Controlling up to 2 cash drawers
K	VGA2 or	Connecting to second display
	COM4	Com port, connecting to peripherals

COM1/2/3/4 can supply a +5 V DC through system BIOS and jumper setting and supply +12V by jumper setting. The VGA port can delivery +12 V power through system BIOS setting for Posiflex LCD display monitor. N**evertheless, except Posiflex peripheral device, do not connect any other device to this port before the power in this port is disabled.**

CAUTION: Please turn off the system power first! Then hold the base and move the terminal carefully.

Connecting Cables
To have the terminal ready for operation, please connect all required cables to the appropriate connectors. Please make sure that each connector is connected to the correct port with the correct orientation. **Damages due to incorrect connection or orientation are not covered by product warranty!**

Some connectors like the LAN or CR connector have to be gently inserted until a click is heard. It is recommended that connectors such as the COM port and VGA connector be screwed into place once seated. Please make sure that each connector has to be connected to the right device in the right way.

CAUTION: On doing any insertion or extraction of any connector, please always hold the connector head itself instead of pulling on the cable wire. Failure to do this could damage the cable and jack that is considered as an artificial destruction and is not covered by the warranty.

Connecting Cash Drawer (Option)

The RJ11 connector on I/O panel can be used for controlling most of the common cash drawers available on the market.
However, it is most recommended to use Posiflex CR-2000 or CR-2200 or CR-3100 or CR-3200 or CR-4000 or CR-4100 or CR-4210 or CR-6310 for best compliance to operate the opening mechanism and to monitor the drawer open status.

Use the cable supplied with the cash drawer for connection to the CR port in TX system. This cable has a 6-pole plug at one end and an 8-pole plug at the

other. The 8-pole plug should be inserted into the connector marked: "signal cable from POS Printer" at the rear of the cash drawer. The 6-pole plug should be inserted in the connector marked "CR" found in the main connection area in the system.

Wall Mount Application

The terminal can be mounted on wall with the VESA compliant wall mount kit WB-6812. For installation step, please refer to the WB-6812 installation guide.

System Recovery

A system recovery DVD would be shipped with the terminals that preloaded with the chosen OS. **The System Integrator shall take care of software restoration after OS recovered.** A Posiflex supplied USB interface DVD drive will be required for such action. Other brand DVD-ROM drive may require its own driver different from what supported in the recovery DVD.

Please use the recovery DVD in system recovery only. Using it otherwise may wipe out whatever stored in the storage device! All upgrade devices drivers needed for manual installation in usual way are available in the subfolder "\drivers" in OS recovered HDD and the latest versions of these required drivers will be available on our web: http://www.posiflex.com. Then follow instructions from your system integrator for software recovery.

APPLICATION ENVIRONMENT

It is **very** important that you check the following operational guidelines:

Ventilation

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 the installation.

Operating Environment

The equipment must not be operated or stored in extremes of both temperature and humidity/moisture. (Operating range 0°C to 40°C and up to 80% humidity – none condensing, max. wet bulb 26°C)

Power Supply

The operating voltage range of the power adaptor should cover the local power supply for proper operation. The power cable, the power outlet and any power fusing arrangements must conform to local safety regulations.
Please never do any connection / disconnection when system is still powered on. Please always keep the external power adaptor in a free air circulation.

Automatic Power on Control

The system may also turn on according to some preset conditions such as Alarm Clock Wake Up or LAN Wake Up.

When the TX system is turned off after a successful boot up, the preset automatic power on functions will keep monitoring for the preset conditions and turn on the system when the preset conditions are met.

Please notice that if the TX system is improperly turned off before a complete boot up procedure, the above preset power on control functions will be disabled until next turning off after a complete boot up.

Storage Device

The standard system storage device is 2.5" SATA HDD in the main unit. This device can be replaced with an option SATA SSD HDD.