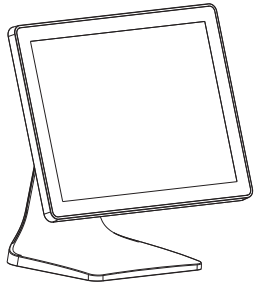
2204091

MANUAL REVISION EN 1.0



Touch POS Terminal Manual
ZQ-T8350 series

Safety Information

1.Please read all attached information to have a comprehensive understanding of the operation and cautions of touch POS terminal.
2.Please install your touch POS terminal according to the wiring method in enclosed manual and make sure the power supply is cut in case of plugging and unplugging.
3.Touch POS terminal works with 100V-240V alternating current.
4.You must use standard three-phase plug and socket with grounding protection to ensure the proper working of your touch POS terminal. Absence of grounding wires or random replacement of standard power supply wires may lead to serious consequences.
5.Unstable voltage interferes normal working of touch POS terminal. High voltage may undermine normal working conditions of power supply components, which will lead to the damage of power supply components and mainframe of touch POS terminal. Lowe voltage makes power supply components unable to output normal value (the value when voltage is stable) and the whole system will slide into disorder. Furthermore, instant interference and sudden power cut will affect normal transmission of system information, causing loss of some files or even damage of electrical components in the circuit. And therefore users need to know basic requirements of your touch POS terminal on the power grid:
   a) tolerance no more than ±10% of rated value under whatever stability of power grid voltage.
   b) power grid supply: voltage clutter and interference as little as possible
   c) Power grid must supply power continuously in a stipulated period of time.
   d) It's better not to have power supply of touch POS terminal in a parallel connection to power grid with inductive load of large volume.
   e) Power supply wires shall be well grounded.

The common solutions to above situations are as the follows:

   a) Please purchase UPS power supply to use to avoid the sudden power downs and ups.
   b) Stabilized voltage supply is the solution to the increase or reduction in voltage and current.

6.Some components of touch POS terminal are sensitive to magnet, such as the display. Strong magnetic field causes great damage to these components. So it is suggested not to put touch POS terminal near magnet and heat supply (lampblack from kitchen, exhaust gas from smoke pipe, high-voltage cables, transformer and motor with big power will cause interference and damage to touch POS terminal).
7.Frequent power on and off needs to be avoided to reduce the impact to touch POS terminal and extend its life. It is suggested to wait at least 30 seconds to start up again after power-off.

Operation Information

The normal operation of your touch POS terminal is directly related with the operating environment. Correct placement and good working environment facilitate the normal operation and extend the life of touch POS terminal.

1. Working environment

Good interior lighting and ventilating conditions are required with direct sunlight avoided and fresh air kept.

2. Temperature and humidity

Usually speaking, the working temperature is from -10 to 40℃ and relative humidity from 30 to 80%RH. The two parameters must be from -20 to 50℃ and 20 to 90%RH respectively when touch POS terminal stores data or is moved under atmosphere pressure from 86 to 106kpa. Too high or too low temperature and humidity makes it hard for touch POS terminal to work normally.

3. Cleanness

Working environment must be clean with as little dust as possible. Dust with acidity has chemical interaction with hydrone in the air, which erodes internal components of touch POS terminal.

⚠ Warning

Please power off and unplug the machine in case of abnormal noises, smell and smoke, etc. The continuous operation may lead to fire disaster. Please contact the seller or after-sales department immediately.

Maintenance Information

1. Correct operation and maintenance of mainframe

a) Please don't turn on and off mainframe in a short time. You need to have at least 30-second gap between the power on and off.

b) After you power it on, please don't move it randomly nor plug (unplug) various interfaces, signal cables of exterior equipment and mainframe. If necessary to do so, please assemble and disassemble these with the power off.

2. Proper use and maintenance of touch screen

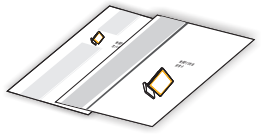
When pressing the touch screen, do not use excessive force, so as to prevent mechanical parts from being damaged and thus failing. Please keep the touch screen clean, do not drip water or other contaminants on the touch screen; do not place heavy objects on the touch screen to prevent its deformation. Touch screen is easy to absorb dust, so please cover it properly with dust cover when not in use; please frequently clean the dust on the display and enclosure with a soft cloth or cotton. In order to prevent the liquid crystal array from being magnetized, do not make the touch screen close to the object with a magnetic field.

Content

Chapter 1 Parts List

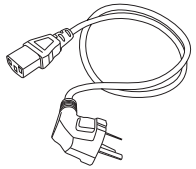
Your touch POS terminal includes the following parts:

1.touch POS terminal
2.manual/warranty card
3.AC power supply cables
4.drive disk
5.power adepter



Manual/ warranty card

Touch POS terminal

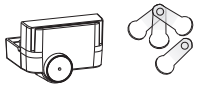


AC power supply cable

Drive disk

Power adepter

The follows are optional parts.



MSR/Dallas Key

Customer display screen

Secondly display screen

The pictures are only for reference. Please refer to the actual product for the final version and check model and specifications carefully.

Chapter 2 Technical Specifications

Mainframe(1)

item	description
CPU	Intel Celeron Bay Trail-D J1900 1.99GHz
internal memory	The max memory capicity is up 8GB
hard disk	SSD 32G or HDD 500G above
chip set	Adopt Intel Baytrail-D chipset
display card	Intel CPU core built in display core
sound card	Realtek ALC887 ALC662 HD Audio Codec Controller
network card	Realtek RT8111E Gigabit Ethernet port
I/0 interface	one DC 12V input interface, four USB interfaces, one VGA interface, one LAN interface, two RS232 serial ports one audio output interface, one DC 12V output interface
ambient	Work temperature:-10℃~40℃ Relative humidity:-30℃~80℃ Storage terperature:-20℃~40℃ Relative humidity:-20℃~90℃
Power input	DC12V 5A

Mainframe(2)

item	description
CPU	Intel Celeron J1900 2.0GHz
internal memory	The max memory capicity is up 8GB
hard disk	SSD 32G or HDD 500G above
chip set	Adopt Intel chipset
display card	Intel HD Graphics 64MB
sound card	Realtek ALC662 5.1 Channel Audio Codec Controller
network card	Realtek PCI-E NIC RTL 8111F for 1000Mbps
I/0 interface	one DC 12V interface, four USB interfaces, one VGA interface, one LAN interface, two RS232 serial ports, one audio input interface, one audio output interface
ambient	Work temperature:-10℃~40℃ Relative humidity:-30℃~80℃ Storage terperature:-20℃~40℃ Relative humidity:-20℃~90℃
Power input	DC12V 5A

Coustomer display (optional)

item	LED display screen	VDF display screen
display type	highlight digital tube display	vacuum fluorescent tube
supported number of characters	10-digit digital characters	Double 20-digit English characters
communications interface	COM4	COM4
baud rate by default	2400	2400
working voltage	DC 5V	DC 5V

Dallas Key or RFID (optional)

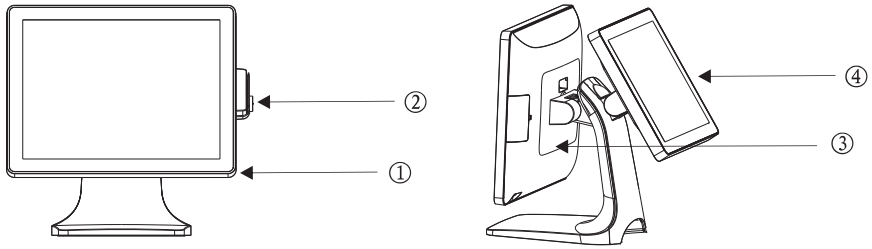
item	Dallas Key	RFID
type	touch	non-touch
interface	COM3	COM3
baud rate	9600	9600
voltage	DC 5V	DC 5V

Card swiping module

item	description		
card standard	ISO 7811/7812		
magnetic track position	ISO1 (IATA)	ISO 2 (ABA)	ISO3 (MINTS)
recorded density	210 BPI	75 BPI	210 BPI
recorded characters	79Characters	40Characters	107Characters
interface	USB		
working voltage	DC5V±5% 65Ma (max.)		
magnetic head function with magnetic track width	1.5mm		
card thickness	PVC 0.76 ±0.08MM		
operation speed	10-150cm/sec		
mistake percent	Less than 0.5% (JSE test card)		
operation position	inside the slot of swiped card		
life of magnetic head	500,000 times (one time: one swiping)		

Chapter 3 Product Diagram

3.1 component description Your touch POS terminal includes the following parts:

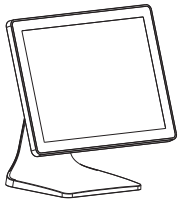


1.Main display screen (touch) 2. Card swiping device (optional)

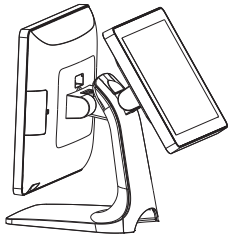
3. Mainframe 4. Coustomer display

3.2 Product Type

(1) 15"single screen

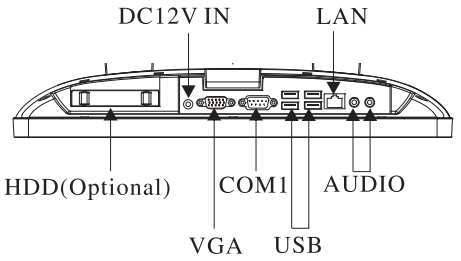


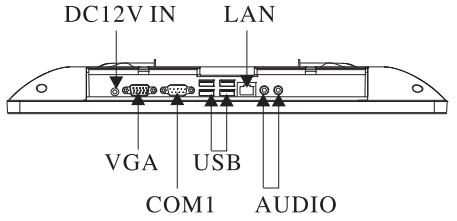
(3) 15" double screen



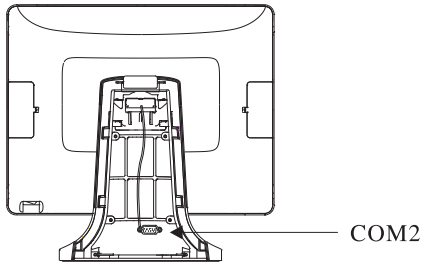
Note: Installation of client display screen is optional to single screen, but double screen doesn't have this option.

3.3 Description of interface





Main board I/O



Optional expansion I/O

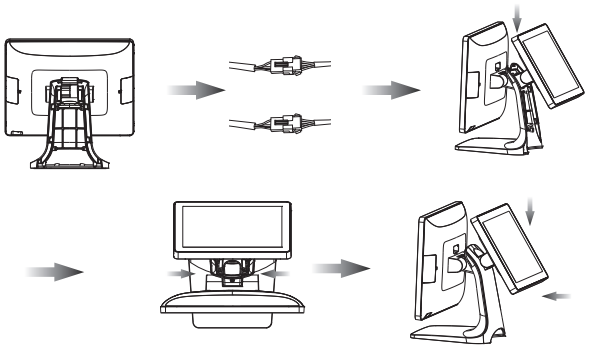
Chapter 4 Operation Manual

4.1 Installation of coustomer display module

A. Please rip off PVC chip from the slot of coustomer display on the back side of machine.

B. Please wire the coustomer display properly and install its fixing supports.

C. Please check if coustomer display and its fixing support are properly installed and adjust it to the best visual angle.



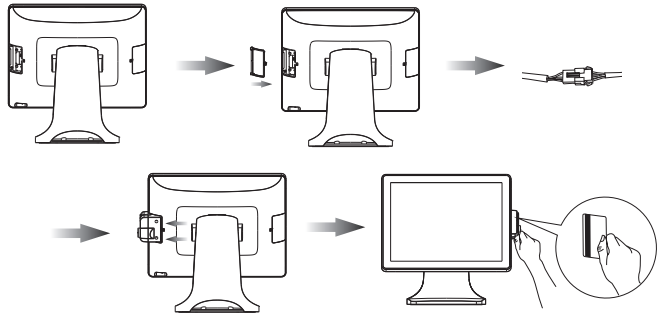
4.2 Installation of card swiping module

A.Please loosen down 2 screws from rubber strip baffle on the left of back side of display screen.

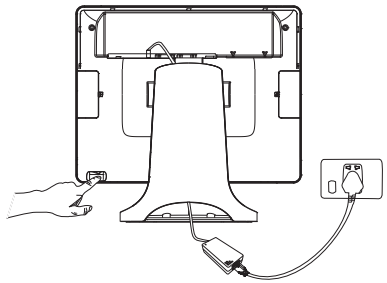
B.Please disassemble rubber strip baffle on the left of back side of display screen.

C.Please wire the card swiping device properly and install it in the position of disassembled rubber strip baffle

D.Please hold magnetic card with magnetic stripe towards the left before swiping the card according to silk-screen arrows on swiping device.



4.3 Power on and off



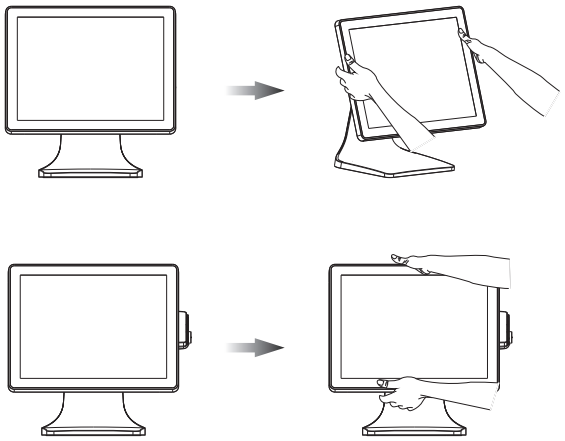
Power on: The whole machine is started with power cable connected and mainframe switch button pushed.

Power off: The machine is powered off via Windows software under power-on condition; or the machine is turned off with power button pushed.

4.4 Angle adjustment of display screen

A.Please hold left and right sides of display screen with both hands to vibrate it up and down for angle adjustment when there is no card swiping device and Dallas Key/RFID.

B.Please hold top and bottom sides of display screen with both hands to vibrate it for angle adjustment when installing card swiping device or Dallas Key/RFID.



4.5 Operation of touch screen

Operation of resistive touch screen

The effect of clicking touch screen surface is same as that of clicking the left mouse button. Just need to lightly tap the touch screen with a finger tip, or use other ways to contact the touch screen such as nib. It is recommended to use the plastic nib, it would be best to use the sphere whose radius is about 0.8mm as the nib, and there are no sharp edges.

Operation of capacitive touch screen

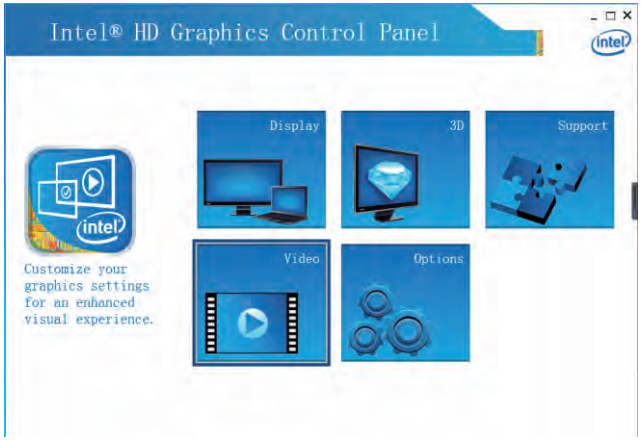
The effect of clicking touch screen surface is same as that of clicking the left mouse button. Just need to lightly tap the touch screen with a finger.
There will be no response to use fingernails or other plastic objects to contact the touch screen.

4.6 Parameter regulation of display screen

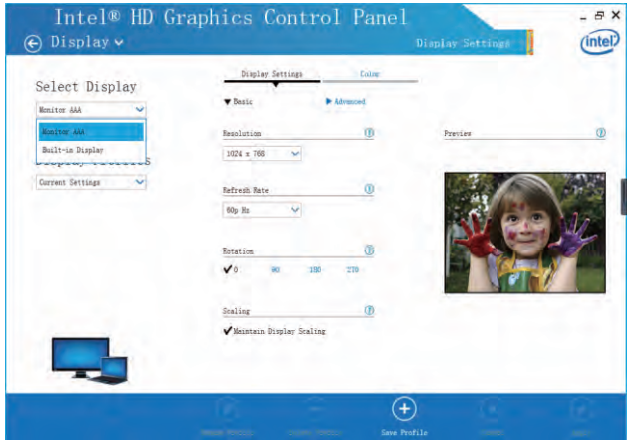
(1)Please confirm if you have installed display card drive of offered disk.

(2)Please click right button of the mouse on the system desktop to show “Graphic Properties” in the appearing menu.

(3)Select "Display",and then can set parameter for the display



(4)Select "Built-in Display" as below picture shows and then can adjust the color or other parameters,"Monitor AAA" is for setting the color and other parameters for the second display.



(5)Please click “OK” to save adjusted parameters.