

KS-7415/7415IR/7417/7417IR
Fanless Touch Terminal
User Manual



Package Contents

- ✓ 15" KS-7415/7415IR or 17" KS-7417/7417IR fanless touch terminal with Gen 5/Gen 6/Gen 8.5 base stand (x 1)
- ✓ Power adapter (x 1)
- ✓ Power cord (x 1)
- ✓ User manual (x 1)

Product Features

- 15" or 17" Resistive or IR touch screen
- Spill-resistant design to prevent careless spill and provide easy cleaning for a wide range of applications
- Equipped with Intel Bay Trail-D Quad Core J1900 2.0GHz CPU and DDR3L memory
- Fanless design boasting quiet and anti-dust features
- Patent aluminum die casting design for efficient cooling
- Optional UPS (Embedded on board developed by Posiflex)support to avoid sudden power loss
- Patent finger lever "Gear Lock" to adjust the terminal tilt angle from 15° to 70°
- Push-open cover to protect power switch from accidental shutdown
- Bottom cable guide design and cover for safety and neat outlook
- User-friendly mechanism for system upgrade and easy maintenance

16390900010 Ver.Original

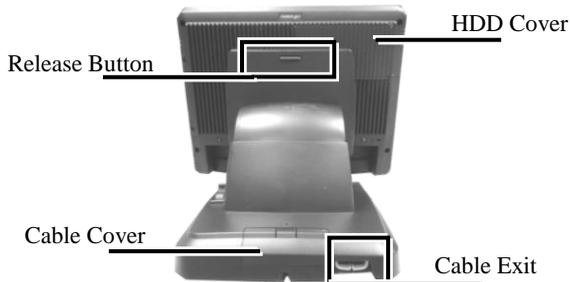
<http://www.posiflex.com>

Views of KS-7415/7415IR/7417/7417IR with Gen 5 Base Stand

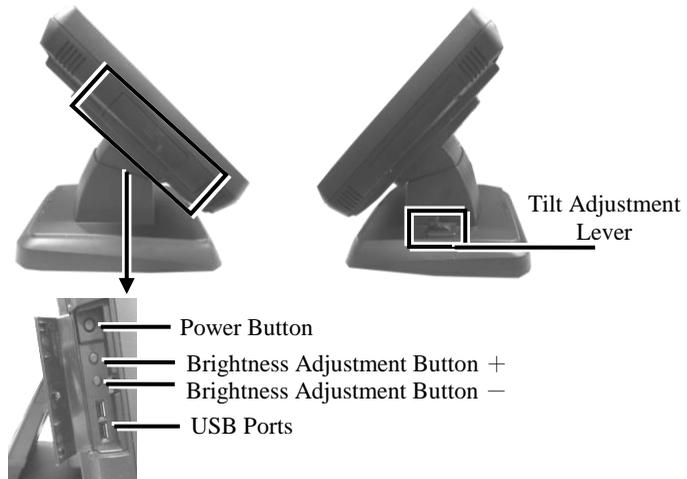
Front View



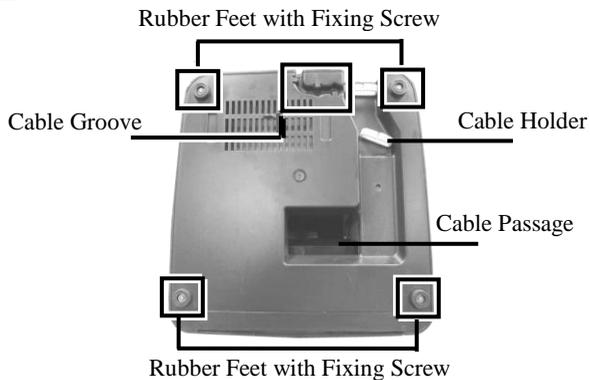
Rear View



Side View



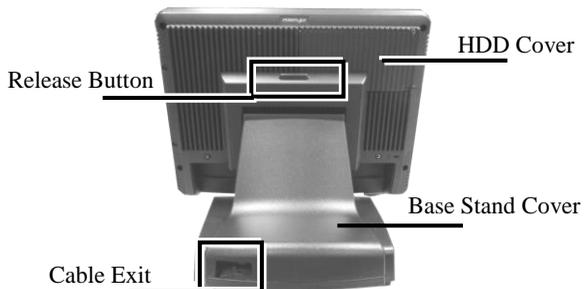
Bottom View



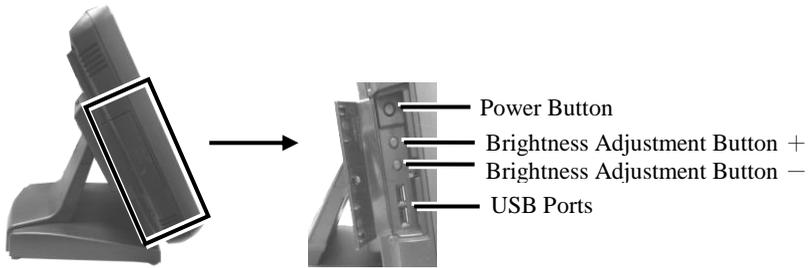
Views of KS-7415/7415IR/7417/7417IR with Gen 6 Base Stand
Front View



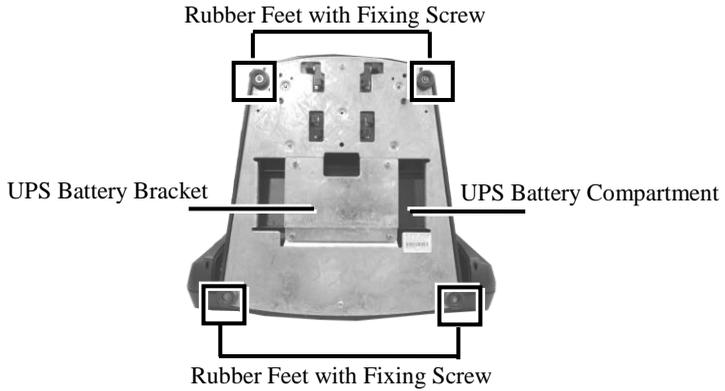
Rear View



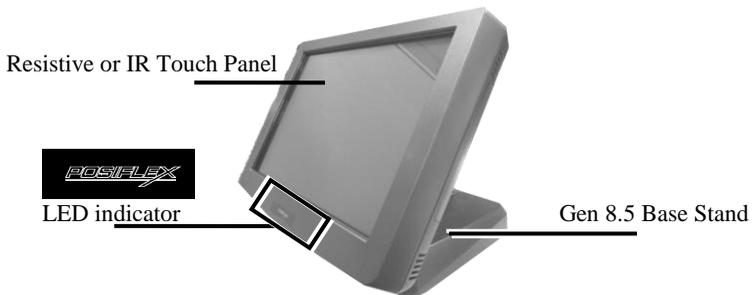
Side View



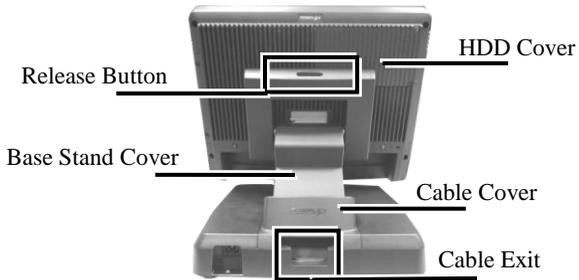
Bottom View



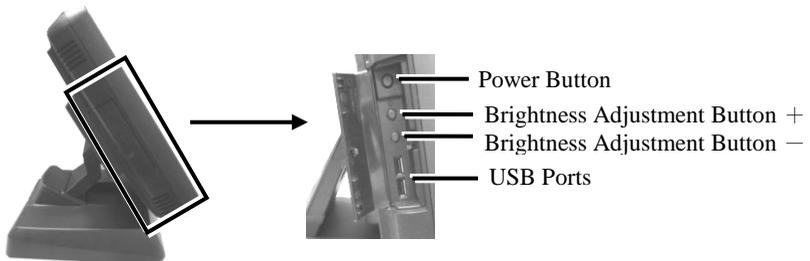
Views of KS-7415/7415IR/7417/7417IR with Gen 8.5 Base Stand
Front View



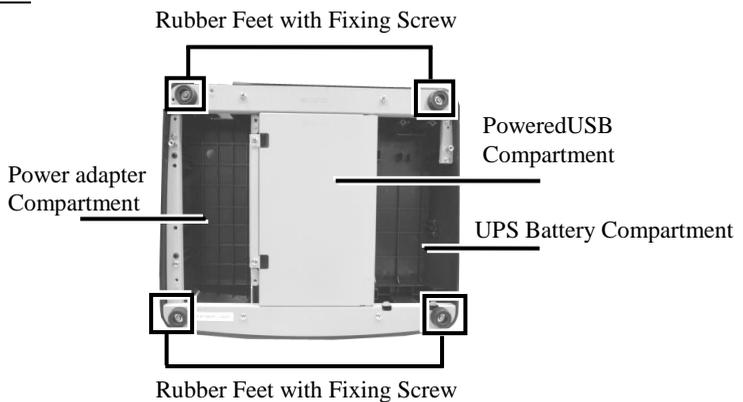
Rear View



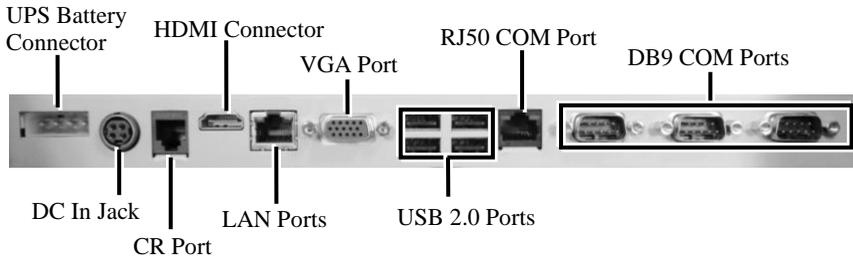
Side View



Bottom View



View of I/O Interface of KS-7415/7415IR/7417/7417IR



Mounting your Terminal onto Gen 5/6/8.5 Base Stand

Please refer to the instructions below to install the terminal onto the Gen 5/6/8.5 base stand. KS-7415 and Gen 8.5 base will be used in the following demonstration.

1. Lay the terminal on a flat surface with its bottom I/O plate facing you.



2. Hold the base stand steady with its rear facing towards you.



3. Attach four rail slots of the base stand to four locking bolts on the rear of the panel



4. Slide the base stand upwards along the rail slot until the terminal is clicked into place.



5. Make sure the terminal is well mounted onto the base stand.



Positioning your POS for a Perfect Viewing Angle

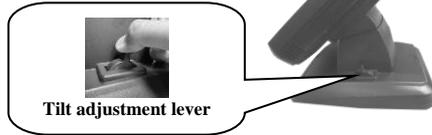
The adjustable base stands designed for the terminal come in three different model, Gen 5/6/8.5, and allow you to determine an ideal position for your terminal using its unique tilt adjustment mechanism. Below are the instructions on how to adjust the specific base stand connected to the POS system. Please be careful not to touch the screen while setting up the tilt angle

The terminal with Gen 5 Base

Follow the below steps to adjust the viewing angle for the terminal with Gen 5 base using the tilt adjustment lever.

While pushing down the tilt adjustment lever on the right side of the stand, tilt the screen up or back to your desired angle.

Then, release the adjustment lever to lock the terminal into place.



The terminal with Gen 6 Base

Tilt the screen in the direction shown by the arrow in the figure.



The terminal with Gen 8.5 Base

As the below figures suggest, Gen 8.5 base stand generally offers three positioning solutions for your terminal: flat folded mode, low profile mode, and full extended mode. In most cases, KS-7415/7415IR/7417/7417IR will be set up beforehand in flat folded mode for shipping. After it is unpacked, you may re-adjust the terminal in either low profile mode or full extended mode according to your situation.



Flat folded mode



Low profile mode



Full extended mode

Below offer some instructions on how to switch among different positioning modes to find an ideal viewing angle for the terminal with Gen 8.5 base stand.

1. Unpack KS-7415/7415IR/7417/7417IR, which is supposed to be set in flat folded mode, out of the package box and then lay your POS system on a flat surface.
2. Tilt the screen downwards.
3. Push the cable cover outwards to remove it from the base stand.



4. Position your terminal in **Full Extended mode**.

- 4.1 Support the screen with one hand holding onto its bottom edge. Then, while pulling the lever backwards, move the display upwards until the lever is snapped into the lower hook to raise the screen as shown in the below figure.



- 4.2 Push the cable cover back.

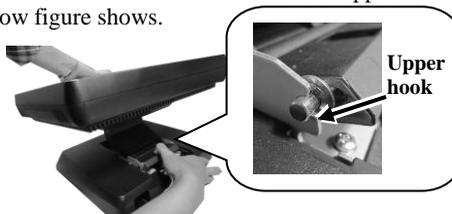


- 4.3 Tilt the screen up or down to your desired angle. Please do not press on the screen while setting up the tilt angle.



5. Position the terminal in **Low Profile mode**

- 5.1 First, remove the cable cover. Then, support the screen with one hand holding onto its bottom edge. While pulling the lever backwards, move the display upwards or downwards until the lever is snapped into the upper hook as the below figure shows.



- 5.2 Push the cable cover back.

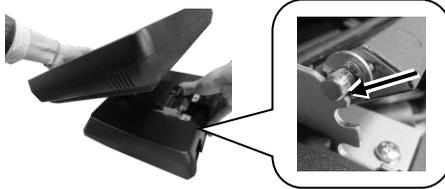


- 5.3 Tilt the screen up or down to your desired angle. Please do not press on the screen while setting up the tilt angle.



6. Return the terminal back to **Flat Folded mode**.

6.1 After ensuring the cable cover is removed, support the screen with one hand holding onto its bottom edge. While pulling the lever backwards, release the lever back to the point above the upper hook as shown in the figure



6.2 Push the cable cover back.



6.3 Tilt the screen to the horizontal position.



Routing and Arranging Cables

Each base stand features its own cable management to help you well organize the cords whenever you need to connect peripheral devices to the terminal. Based on different base stands, the following provides some useful cable-routing instructions required to manage your cables.

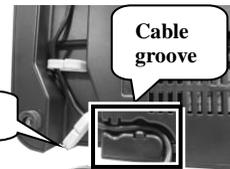
For Gen 5 Base Stand

1. Make sure the terminal is released from Gen 5 base stand. Then, laying Gen5 base stand with its bottom facing towards you.



2. Neatly thread the cable along the cable groove first, and then snap it into the cable holder as shown in the figure.

Cable holder



3. Pass the cord through the cable passage.



4. Place Gen 5 base stand in upright position and make sure the cable can be pulled out of the cable passage.



5. After mounting the terminal onto the base stand, connect the cable to the bottom I/O plate of your terminal.

For Gen 6 Base Stand

1. Tilt the display all the way down.



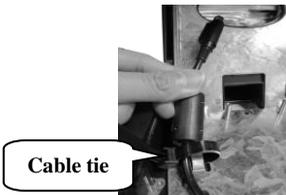
2. To remove the base stand cover at the rear of the terminal, pull the four locking levers outwards with your fingers and slide the cover in the direction shown by the arrow.



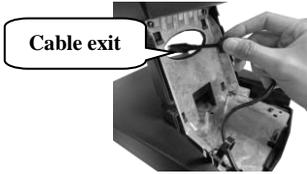
3. Press down the cable tie tab to completely loosen the cable tie.



4. Tighten the cable tie again to hold the cables into place.



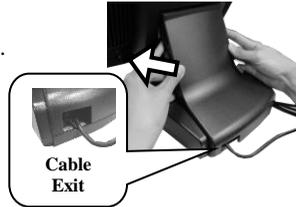
5. Tilt the screen upwards, and then have the cables pass through the cable exit.



6. Connect the necessary cables to the I/O ports of the terminal.



7. After making sure the cable is threaded out of the cable exit, put the base stand cover back into place.



For Gen 8.5 Base Stand

1. Tilt your display all the way down.



2. Remove the cable cover at the rear of the terminal.



3. Remove the base stand cover by pulling outwards the locking levers with your forefingers and then pulling the cover in the direction shown by the arrow.



4. Thread the cables along the cable passage and then tilt the screen upwards to pass it through the cable exit.



5. Connect the necessary cables to the I/O ports of the terminal.



6. Tilt the display downwards to push the base stand cover back into place.



7. Put the cable cover back.



8. If you are routing the cables of external peripherals, please make sure the cable is threaded through the cable exit at the bottom of the base stand.



Installing Optional Upgrade Kits and Peripherals

KS-7415/7415IR/7417/7417IR is an expandable model which allows you to upgrade its own capacity by additionally installing multiple peripheral devices, such as magnetic stripe reader (MSR), LCD monitor and cash drawer, according to your preference. The following will give you installation instructions on how to expand on your current POS system with these optional upgrade kits. Before proceeding with the installation of peripherals, please make sure the POS system is completely shut down to prevent damage.

➤ Installing Power Adapter to Gen 8.5 Base Stand

Power adapter is used to provide power which your terminal needs to be operated normally. Please be informed that the installation steps may slightly vary depending on the model of the power adapter you choose to install. You may skip this section if the power adapter is already installed to Gen 8.5 base stand.

For 60W/80W Power adapter

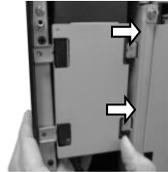
1. Lay your POS terminal with its screen facing downwards.



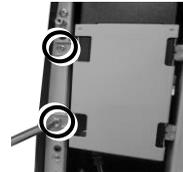
2. Take the AC power adapter with its rubber feet facing you, and then insert it into the power adapter bracket.



3. Attach the bracket to the wedged portions on the right-hand side of the power adapter compartment.



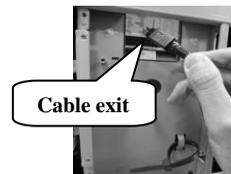
4. Fasten the bracket using two screws.



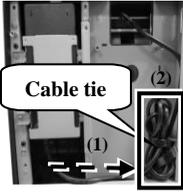
5. Loosen two fixing screws to remove the bracket for middle compartment.



6. Pass the cable of the power adapter through the cable exit and then connect it to the port on the I/O plate of your POS system. (Please refer to **Routing and Arranging Cables** section to thread the cable.)



7. Neatly thread the cord along the bottom edge of the middle compartment (1), and then use the cable tie (2) as shown in the figure.



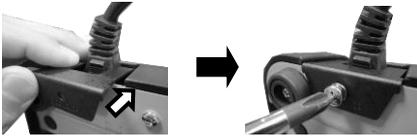
8. Secure the middle compartment bracket using two fixing screws.



9. Lay the POS terminal on a flat surface with its rear facing towards you. Then, connect the female end of power cord to the power adapter and the other end to the electrical outlet.



10. To hold the power cord into place, attach the screw hole of power adapter holder to the hole at the bottom of Gen 8.5 base stand, and then use a fixing screw to secure the bracket.



For 120W/150W Power adapter

1. Lay your POS terminal on a flat surface with its screen facing downwards.



2. Take the AC power adapter with its rubber feet facing you. Place the bottom side of the power adapter into the bottom of the power adapter compartment first, and then push it down into place.



3. Lift the power adapter up against the top side of the compartment.



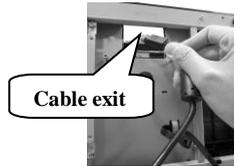
4. Place two brackets separately on the top and bottom sides of the power adapter compartment as shown in the figure. Then, fasten two brackets with four fixing screws.



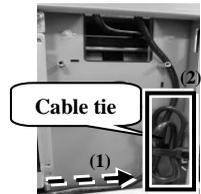
5. Loosen two fixing screws to remove the bracket for the middle compartment.



6. Pass the cable of the power adapter through the cable exit and then connect it to the port on the I/O plate of your POS system. (Please refer to **Routing and Arranging Cables** section to thread the cable.)



7. Neatly thread the cord along the edge of the middle compartment (1), and then use the cable tie to hold the extra cable (2) as shown in the figure.



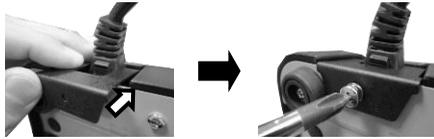
8. Secure the middle compartment bracket using two fixing screws.



9. Lay the POS terminal on a flat surface with its rear facing towards you. Then, connect the female end of power cord to the power adapter and the other end to the electrical outlet.



- To hold the power cord into place, attach the screw hole of power adapter holder to the hole at the bottom of Gen 8.5 base stand, and then use a fixing screw to secure the bracket.



➤ **Installing UPS Battery to Gen 5/6/8.5 Base Stand**

UPS battery compartment can be found at the bottom of Gen 5/6/8.5 base stands, but the precise locations for installing UPS battery for each base stand are slightly different. Please follow the steps described below to finish the installation of UPS battery.

For Gen 5 Base Stand

- Make sure the terminal is released from Gen 5 base stand. After laying Gen 5 base stand with its bottom facing towards you, completely loosen the four fixing screws to remove the bottom plate from the base stand.



- Well place UPS battery in the position as shown in the figure.



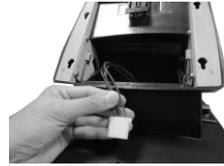
- After UPS battery is well installed, thread the cord through the cable passage.



- Put the bottom plate back and fix it into place with four fixing screws



5. Place Gen 5 base stand in upright position and make sure the cable can be pulled out of the cable passage.



6. After mounting the terminal onto the base stand, then connect the cable to the bottom I/O plate of your terminal.



For Gen 6/8.5 Base Stand

1. As shown in the figures below, we'll install UPS battery into the bottom of the base according to the base type you are using.



Gen6 Base Stand



Gen 8.5 Base Stand

2. Please refer to **Routing and Arranging Cables** section described previously to organize your cables.

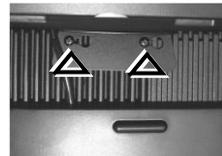
➤ **Installing Side Mount Upgrade Kits**

Located at left side on the back of the terminal, side mount compartment is mainly used for installation of side-mounted equipment, such as magnetic stripe reader. For detailed installation instructions, please refer to the user manual specific to the device which you intend to mount.



➤ **Installing Rear Top Mount Upgrade Kits**

Rear top mount upgrade kits, including customer pole displays and monitors, have to be mounted onto the top side on the rear of your POS terminal as shown in the figure. As for the detailed installation instructions, please be advised to read the user manual specific to the device you intend to install.



➤ **Installing Wall Mount Kits**

Different from Gen 5/6/8.5 base stand, wall mount kits enable you to mount your POS terminal onto the wall as an alternative. For detailed installation instructions, please be advised to refer to the user manual specific to wall mount kits.

Powering ON/OFF the System

Power ON the KS-7415/7415IR/7417/7417IR

Press down the power button to power on the POS.



Power OFF the KS-7415/7415IR/7417/7417IR

In most cases, press the power button of the POS to power the system off. If the terminal fails to turn off the machine for unknown reasons, please be advised to hold the power button more than 10 seconds to force a shutdown of the system.

Status LED Indicator

LED status indicator, which is located at the bottom edge of the terminal, is mainly responsible for notifying users of the current system status by emitting various LED signals. In the chart provided below, it describes all the possible LED status as a quick reference.

LED Status	System status	AC power supply	UPS Battery	Description
Off	OFF	OFF	Unavailable	System power OFF
Off	OFF	OFF	Available	System power OFF
Green	OFF	ON	N.A.	System standby
Blue	ON	ON	N.A.	System power ON
Blinking blue	ON	OFF	Available	System running on UPS battery
Blinking green	ON	OFF	Available	UPS battery low

Installing an Operating System

You are highly advised not to install an operating system on KS-7415/7415IR/7417/7417IR without professional instructions. Not only might the careless handling during installation cause irreversible damage to your machine, but also the improper installation likely leads to system malfunction or failure. Please contact with your dealers about the issues of operating system installation.

Performing System Recovery

For KS-7415/7415IR/7417/7417IR models with preloaded operating systems, Recovery DVD which includes useful utilities will be provided in the package to assist you in efficiently restoring or repairing your damaged system. However, 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

To prevent KS-7415/7415IR/7417/7417IR from overheating, it is strongly suggested to position your terminal in a well-ventilated working environment. In doing so, please be advised to keep the POS terminal at least 25mm away from other devices to ensure the machine is properly cooled down and functioning normally.

Specifications

	KS-7415/7415IR	KS-7417/7417IR
CPU	Intel Bay Trail J1900	
System Memory	DDR3L 333MHz SO-DIMM x 1	
Storage Device	SATA Port x 1	
Power Supply	12V / 60W	12V / 80W
OS Support	Windows 7 / POSReady 7 / Windows 8.1 / Windows 10	
LCD Display	15" TFT LCD	17" TFT LCD
LCD Resolution	1024 x 768	1280 x 1024
Touch Function	IR Touch : KS-7415IR/7417IR; Bezel-type Resistive Touch : KS-7415/7417;	
Serial Port	4 ports, DB9 x 3 + RJ50 x 1, 5V / 12V support on all COM ports	
Parallel Port	1, via optional conversion cable	
Standard USB Port	USB 2.0 x 6	
LAN Port	10 / 100 / 1000 Mb x 1	
VGA Port	VGA x 1, 12V support for Posiflex monitors	
CR Port	1, controlling 2 CR via optional Y-cable	
UPS Port	Yes, for optional UPS battery	
HDMI Port	1	
PS/2 Port	Pin header inside service window	
Audio	Internal 2W speaker x 1	
Environmental Requirements	Operating: 0°C ~ 40°C, 20%RH ~ 90%RH (Equipped with HDD); 0°C ~ 50°C, 20%RH ~ 90%RH (Equipped with SSD) Storage: -20°C ~ 70°C, 10%RH ~ 90%RH	