

JK-24xx/27xx Series

Kiosk

User Manual



SOME IMPORTANT NOTES

FCC NOTES

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense

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. Please note that all of JK series kiosk are NOT designed to work direct sunshine both indoors and outdoors.

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. Veuillez noter que tous les kiosques de la série JK ne sont PAS conçus pour fonctionner sous un ensoleillement direct à l'intérieur et à l'extérieur.

警告

為避免電磁干擾，本產品不應安裝或使用於住宅環境。

SAFETY INSTRUCTIONS

Never open the equipment. For safety reasons, the equipment should be opened and installed only by qualified skilled person. The power outlet socket must be located near the equipment and must be easily accessible.

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。

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1. Product Overview

1.1 Product Features

- Fan-less Design
- An Interactive, Multi-Function and High-Performance Kiosk
- Various Mounting Options: Wall-Mounted, Single or Dual-Sided Operation
- Support Full HD 23.8” and 27” True-Flat PCAP Touch Screen
- Modular Design for Easy Serviceability
- Various Peripheral Options for Each Unique Need: Can Be Integrated with 2D Barcode Scanner, Thermal Printer, WiFi, Proximity Sensor, Camera, Fingerprint Sensor, MSR, NFC/RFID Reader, 4G LTE Module, and a Customized Bracket for EMV Payment Devices.

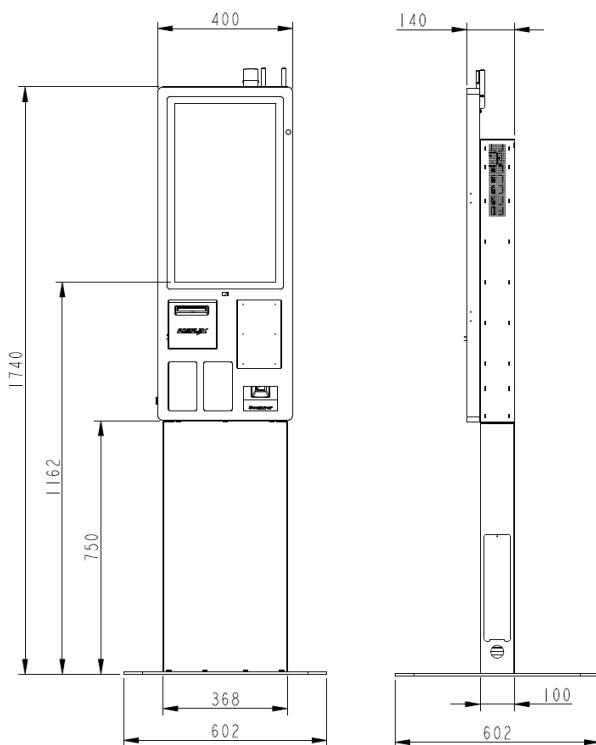
1.2 Specification and Drawing

	JK-2410/2710	JK-2432/2732	JK-2452/2752
System			
CPU	Rockchip RK3399 Dual Cortex-A72 + Quad Cortex-A53	Intel Elkhart Lake J6412 CPU	Intel Tiger Lake-U Core i CPU
Memory	4GB DDR4	DDR4 SO-DIMM slot x 1, max. 16GB	DDR4 SO-DIMM slot x 1, max. 32GB
Intel vPro Support	N/A		i3 CPU: N/A i5 CPU: Yes (for option)
TPM Support	N/A	Yes (for option)	
Storage			
Storage Device	32GB/64GB eMMC Micro-SD Card Socket	M.2 SATA SSD x 1	
OS Support			
OS Support	Android 9.0 / Android 10 with GMS	Windows 10 IoT 64-bit	
Default Integrated Modules			
Printer	3” thermal printer with auto cutter (PP-7900JK)		
Proximity Sensor	Proximity sensor (SU-100) 1. Range from 45cm ~ 80cm (for dark color objectives) 2. Range from 45cm ~ 150cm (for light color objectives)		
Camera	1MP wide angle camera (CM-100)		
Status Indicator	3-color status LED indicator (SI-100)		
Main Display & Touch			

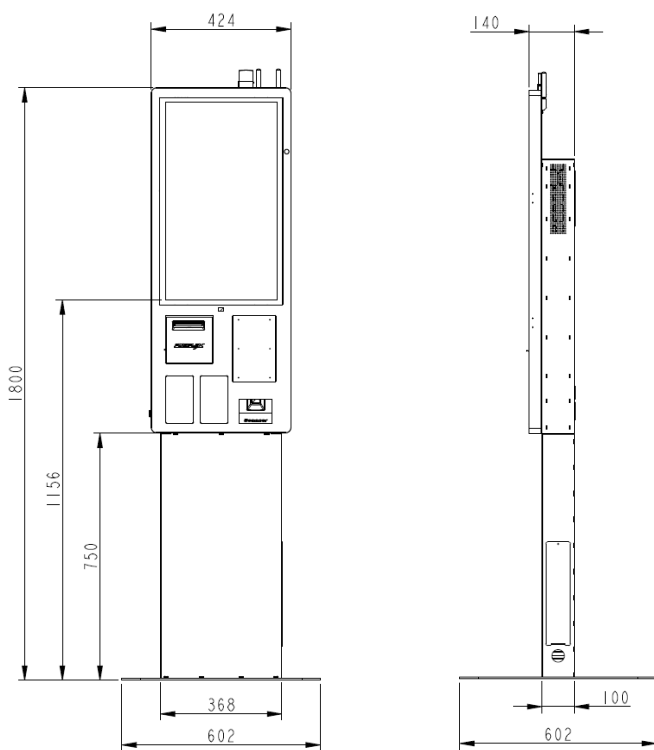
LCD Panel	JK-24xx: 23.8" LCD, 1920 x 1080 FHD JK-27xx: 27" LCD, 1920 x 1080 FHD		
Touch Panel	True-flat PCAP touch with multi-touch support		
I/O Ports			
Display Port	HDMI port x 1 / Mini DP x 1 Note: Mini DP is carried through EDP signal		
Serial Port	RJ-50 x 2	DB9 x 1 / RJ-50 x 2	
OTG	Micro-USB x 1	N/A	
USB Port	USB3.0 x 1 / USB2.0 x 5	USB3.0 x 2 / USB2.0 x 6	USB3.0 x 4 / USB2.0 x 4
LAN Port	10/100 Mb x 1 / 10/100/1000 Mb x 1	10/100/1000 Mb x 2	
Audio	Internal 3W speaker x 2		
Power			
Power Jack	DC-in jack x 1 (12V, 4-pin connect to AC power adapter) DC-out jack x 1 (9V, 2-pin, connect to the optional EMV payment device)		
Power Source	JK-2410/2710: 1. System: 12V/60W AC adapter 2. Printer: 24V/60W AC adapter JK-2432/2452/2732/2752: 1. System: 12V/84W AC adapter 2. Printer: 24V/60W AC adapter		
Expansion			
Expansion Slot	N/A	M.2 x 1	
Wireless Comm.	WiFi module (for option, either one of 4G LTE module, WiFi and 4G LTE module can't be supported at the same time)		
Countertop Options (Standard Pedestal)			
Scanner	2D barcode scanner (CD-360xK)		
MSR	3 tracks ISO or JISII (HID/VCOM selection), MSR / fingerprint sensor 2 in 1 module (MF-2100)		
Fingerprint Sensor	Optical type, MSR / fingerprint sensor 2 in 1 module (MF-2100)		
NFC/RFID Reader	Supporting ISO/IEC 14443-A&B (MIFARE), JIS x 6319-4 (Felica), ISO/IEC 15693, NFC protocols – tag read/write (ISO/IEC-18092) (NR-100)		
EMV Payment Device Bracket Support	Custom bracket support for various EMV payment devices		
4G LTE	Support selected bands & countries with full SIM slot (mini-PCIe module) (either one of WiFi module, WiFi and 4G LTE module can't be supported at the same time)		
Mechanical			
Dimensions	JK-24xx: Floor-standing: 602 x 602 x 1740 (W x D x H in mm) Wall-mounted: 400 x 140 x 988 (W x D x H in mm) JK-27xx: Floor-standing: 602 x 602 x 1800 (W x D x H in mm)		

	Wall-mounted: 424 x 140 x 1050 (W x D x H in mm)
Weight	JK-24xx: Single-sided: 48.8 kg Dual-sided: 60.8 kg Wall-mount: 20.5 kg JK-27xx: Single-sided: 50.3 kg Dual-sided: 63.8 kg Wall-mount: 22 kg
Mechanical style	One-sided operation, dual-sided operation, or wall-mounted operation
Environmental	
Operating Conditions	0°C ~ 40°C, 20%RH - 90%RH
Storage	-15°C ~ 65°C, 10%RH - 90%RH
Regulatory	FCC/CE

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

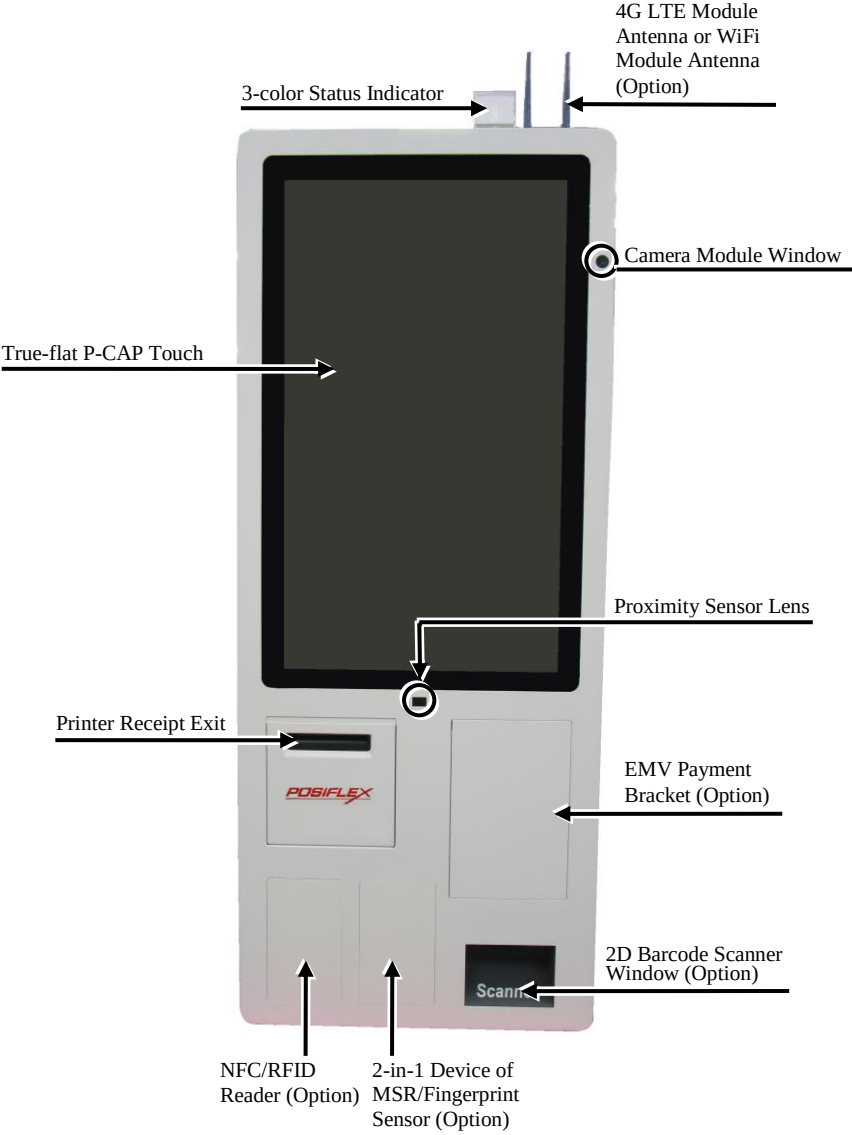


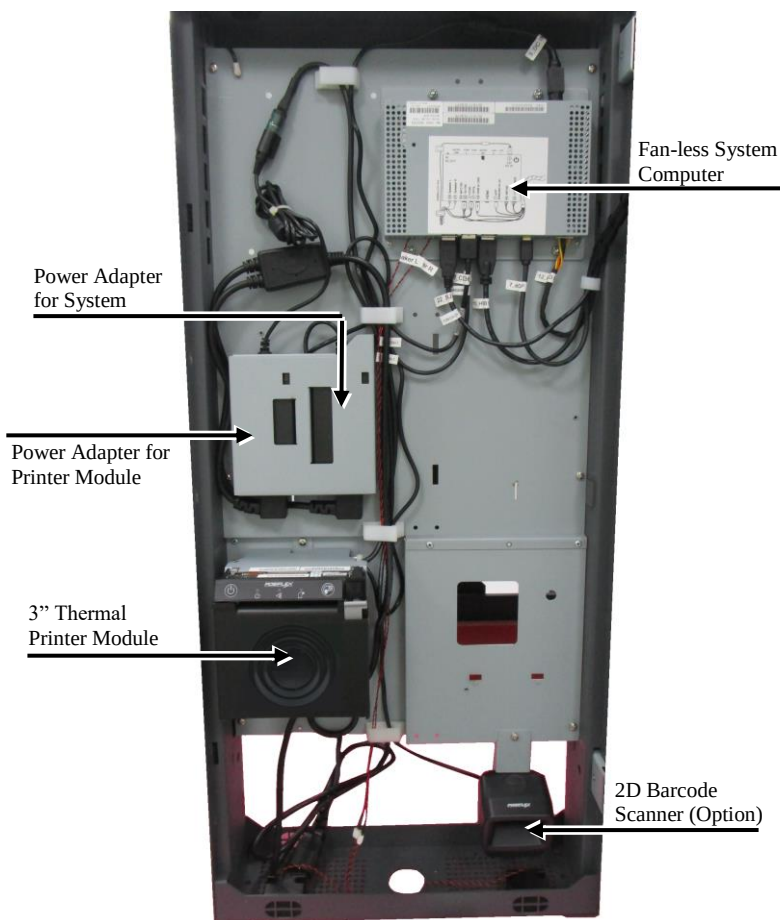
JK-24xx Outline Dimension



JK-27xx Outline Dimension

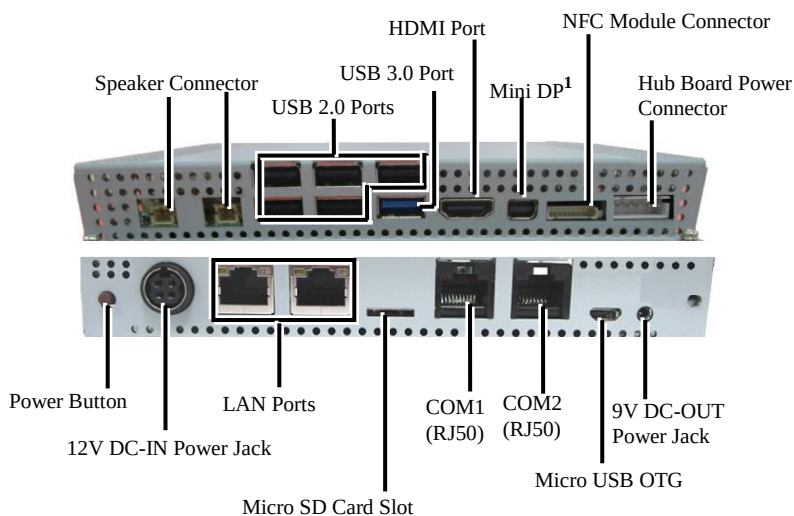
1.3 Product Views



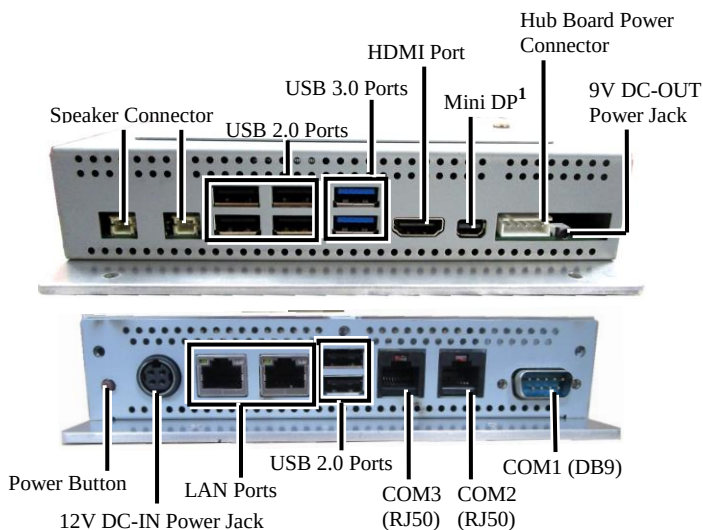


1.4 Introduction of PC Box

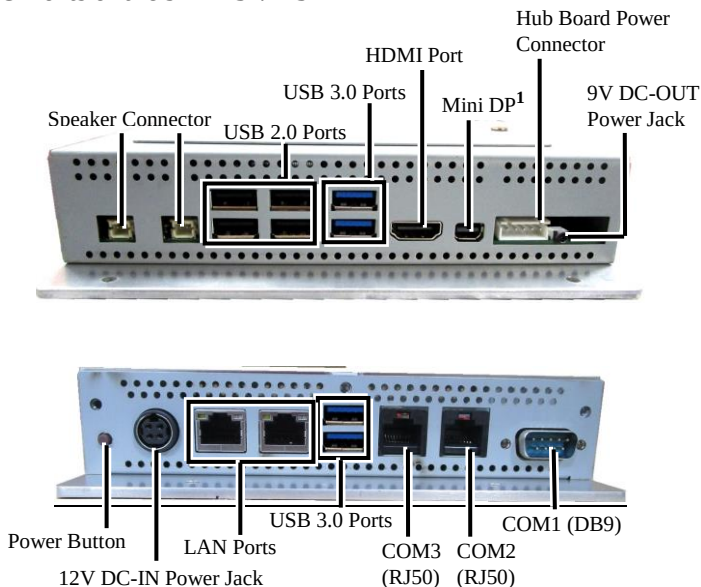
➤ I/O Ports of the JK-2410/2710



➤ I/O Ports of the JK-2432/2732



➤ I/O Ports of the JK-2452/2752



Note1: Mini DP is carried through EDP signal, and it is for specific hub board only.

➤ I/O Connectors

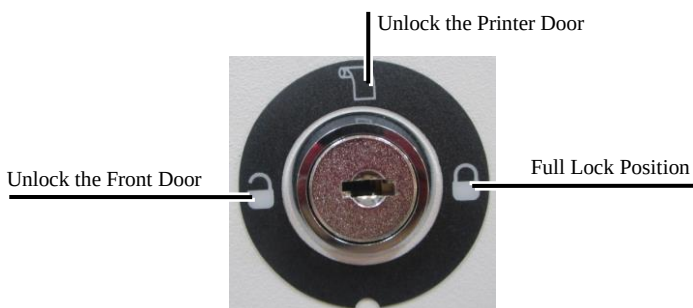
Cable connectors like the connector of LAN cable have to be gently inserted until a click sound is given. It is recommended that the I/O ports, such as COM (DB9) port, should be fastened with connector thumb screws after the I/O cable connectors are completely connected. And please make sure that each 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, 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.

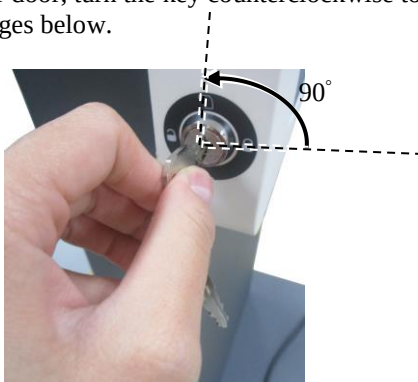
1.5 Introduction of the Lock

There are three positions of the lock.



➤ **Open the Printer Door**

1. To unlock the printer door, turn the key counterclockwise to around 90 degrees. See the images below.

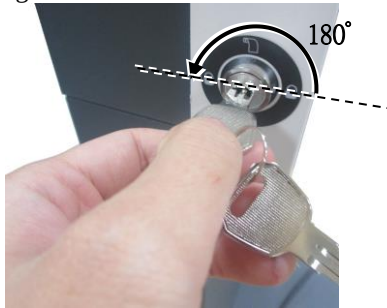


2. Once the printer door is unlocked, the user is able to gain access to the printer by lifting up the printer door. See the images below.

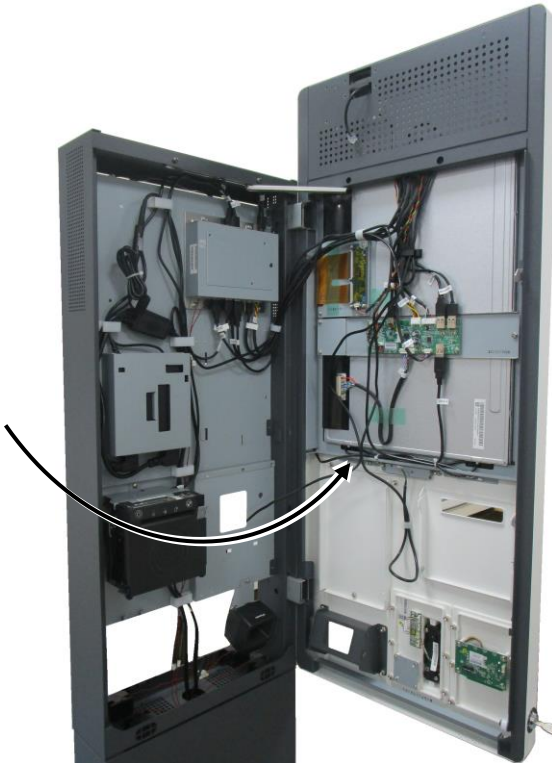


➤ **Open the Touch Monitor**

1. To unlock the touch monitor, turn the key counterclockwise to around 180 degrees. See the images below.



2. Once the touch monitor is unlocked, you can open the touch monitor through the direction shown in the picture below.



2. Product Installation

2.1 Single Side Standing Installation

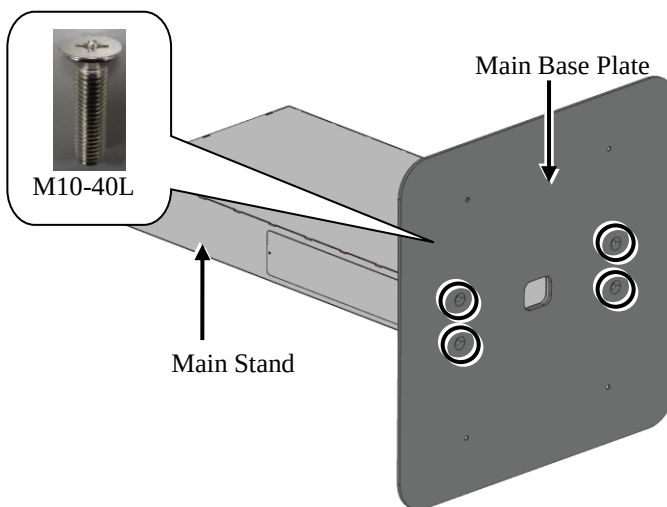
Package Contents for Single Side Standing Installation

Confirm that you have 4 main parts in 3 boxes:

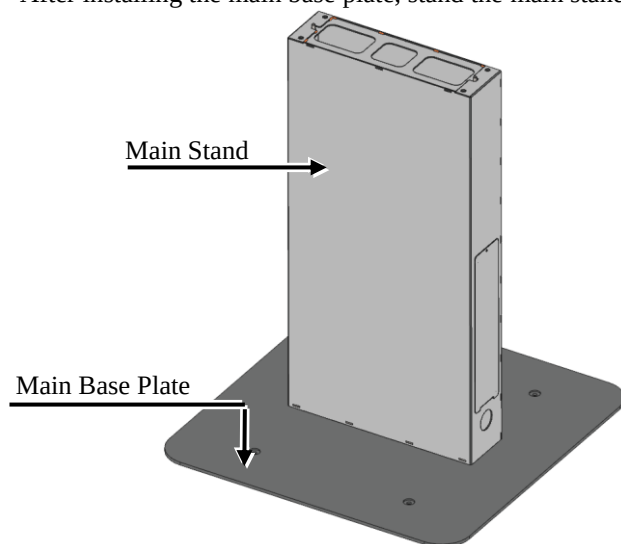
Box 1:	
✓	Single-sided Main System Unit.....x1
✓	True-Flat PCAP Touch Monitor.....x1
✓	Accessory Pack: 2 x M4 Screws for Fixing Touch Monitor and Main System Unit, 2 x M4 Screws for Fixing Door Stopper, User Manual, Paper Roll, 2 keys
Box 2:	
✓	Main Stand.....x1
✓	Accessory Pack: 4 x M8 Hex Socket Screws for Fixing Main Stand and Main System Unit, 4 x M10 Screws for Fixing Base Plate, Allen wrench
Box 3:	
✓	Main Base Plate.....x1

➤ Step-by-Step Installation

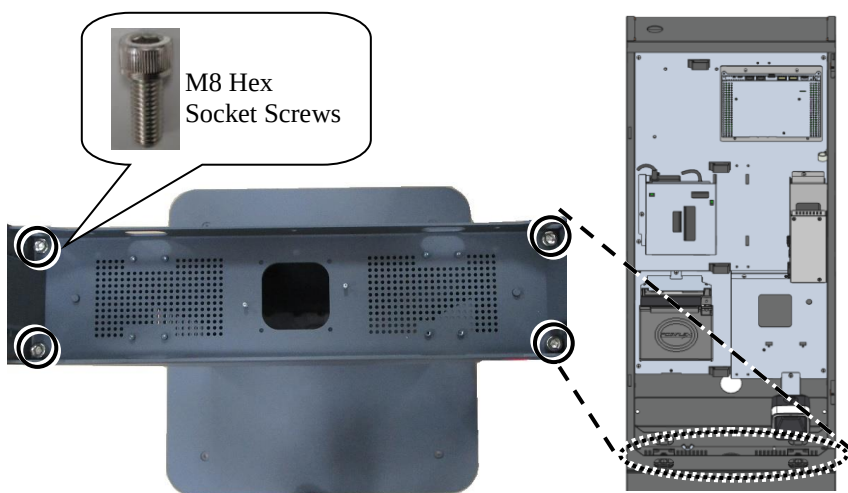
1. Place the main stand horizontally on the ground and align the main base plate, please see picture below. Next, insert the four M10-40L screws into the screw holes and tighten down. This will affix the main base plate to the main stand.



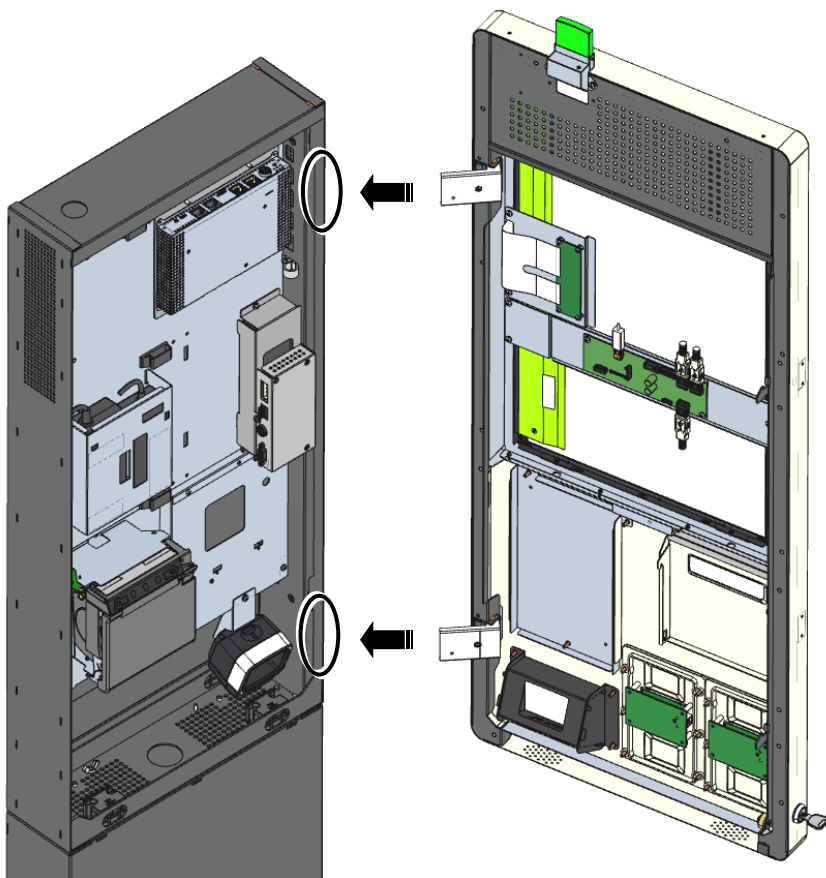
2. After installing the main base plate, stand the main stand up.



3. There are four screw holes on the top of the main stand. Place the main system unit on the main stand like the below picture, insert the four M8 hex socket screws into the four screw holes, and then tighten down. This will affix the main system unit and main stand.



4. Install the touch monitor kit to the main system unit. Make sure the two hinge of the touch monitor kit insert into the two slots.



5. Fix the two hinge brackets with the two M4 screws.

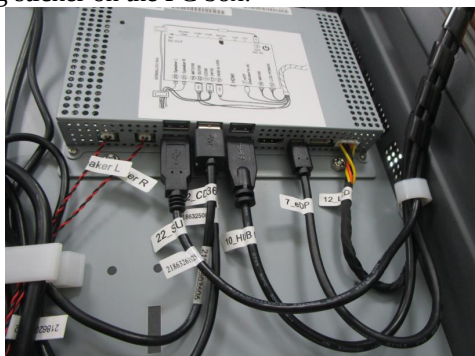


6. Put the door stopper behind the top side of the main chassis like the below picture, and fix it with two M4 screws





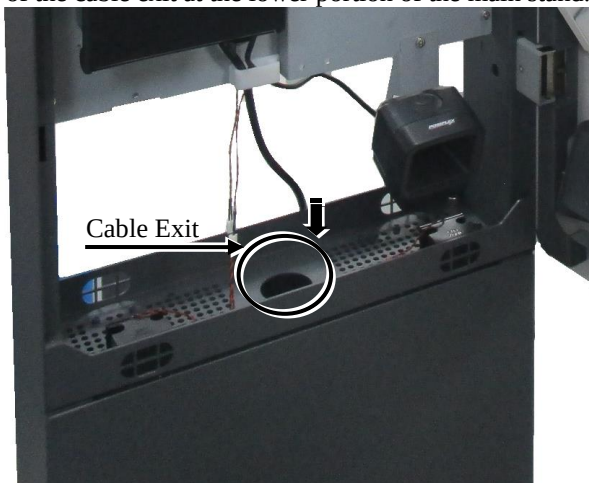
7. Please connect the power cable, display cable, and USB cables refer to the cable routing sticker on the PC box.



8. There is one screw on the cover bracket at the lower portion of the main stand. Remove the cover bracket with one screw.



9. Remove the rubber cover, pull down the power cord through the cable exit from the main system unit into the main stand, and then pull the power cord out of the cable exit at the lower portion of the main stand.



2.2 Dual Side Standing Installation

Package Contents for Dual Side Standing Installation

Confirm that you have 4 main parts in 3 boxes:

Box 1:	
✓	Dual-sided Main System Unit.....x1
✓	True-Flat PCAP Touch Monitor.....x2
✓	Accessory Pack: 4 x M4 Screws for Fixing Touch Monitor and Main System Unit, 4 x M4 Screws for Fixing Door Stopper, User Manual, Paper Roll, 2 keys
Box 2:	
✓	Main Stand.....x1
✓	Accessory Pack: 4 x M8 Hex Socket Screws for Fixing Main Stand and Main System Unit, 4 x M10 Screws for Fixing Base Plate, Allen wrench
Box 3:	
✓	Main Base Plate.....x1

➤ Step-by-Step Installation

1. Refer to the step 1 to step 5 to install the main base plate, main stand, main system unit, and the PCAP touch monitor.
2. Repeat step 4 to 5 to install the second PCAP touch monitor on the other side.
3. Repeat the step 6 to step 8 to connect the cables, and route the two power cords of two system computers.

2.3 Wall Mounting Installation

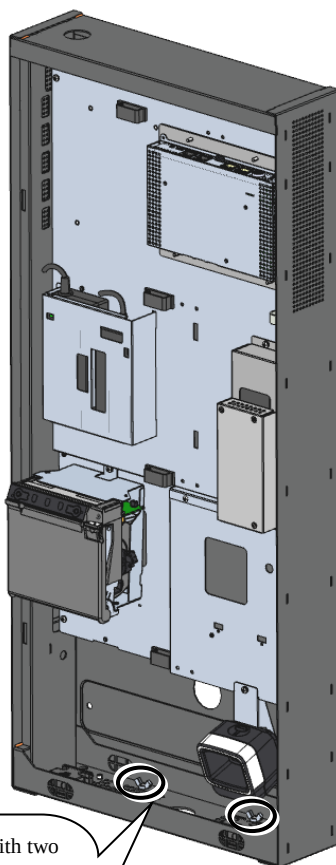
➤ Package Contents for Wall Mounting Installation

Confirm that you have 2 main parts in 1 box:

Box 1:	
✓	Main System Unit.....x1
✓	True-Flat PCAP Touch Monitor.....x1
✓	Accessory Pack: 2 x M4 Screws for Fixing Touch Monitor and Main System Unit, 2 x M4 Screws for Fixing Door Stopper, User Manual, Paper Roll, 2 keys

➤ **Step-by-Step Installation**

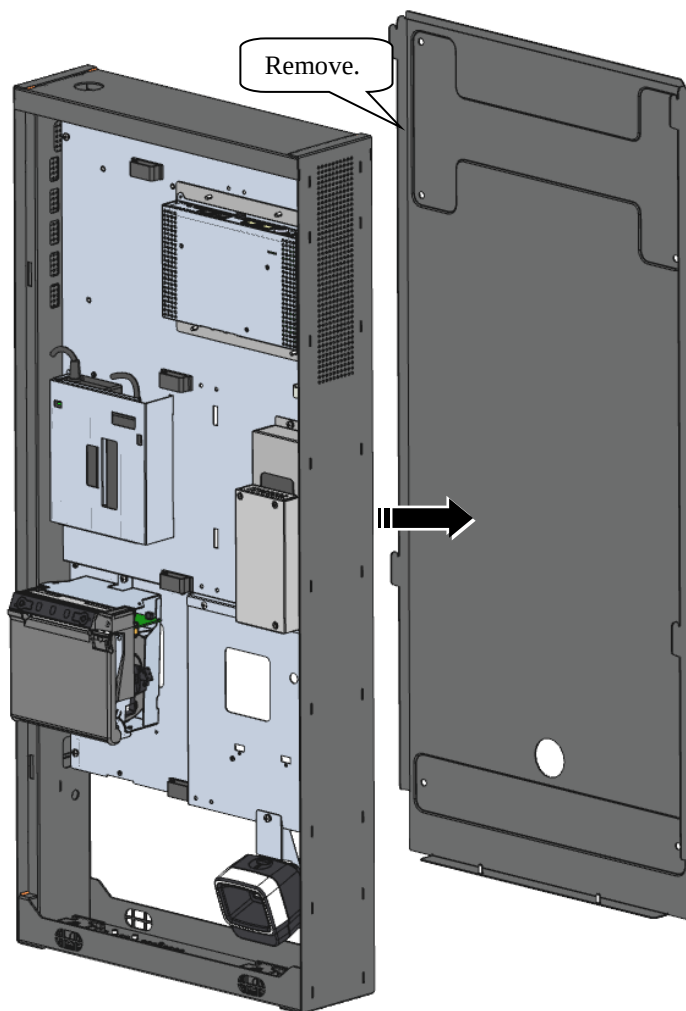
1. Loosen the back cover with two wing nuts.



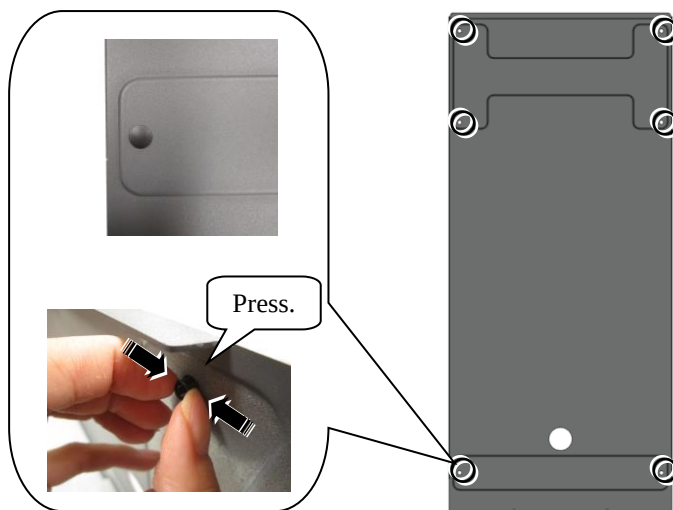
Loosen the back cover with two wing nuts.



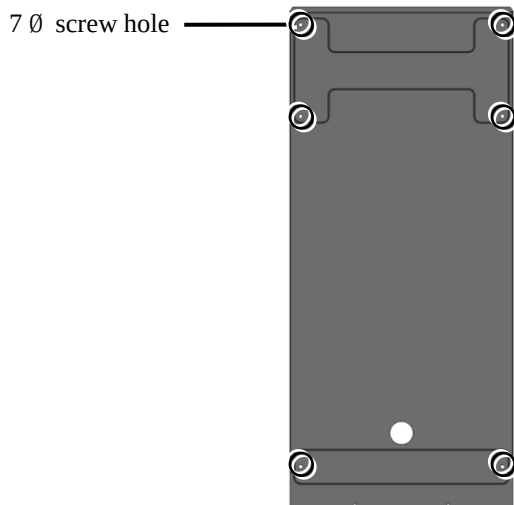
2. Carefully remove the back cover from the main system unit.



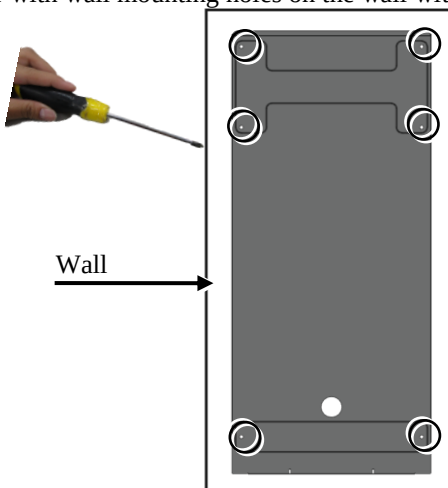
3. Remove the six plugs in the back cover by pressing both sides like the below picture.



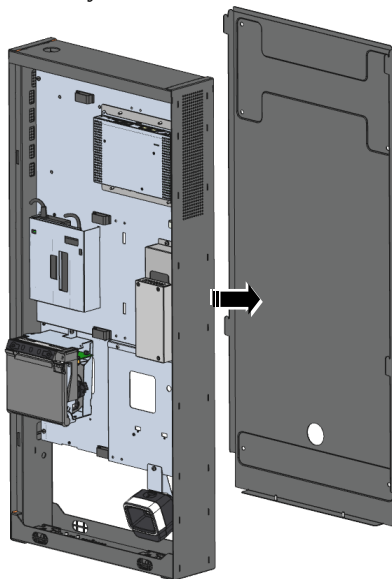
4. There are six screw holes both on top side and bottom side. The diameter of each screw hole is $7\varnothing$.

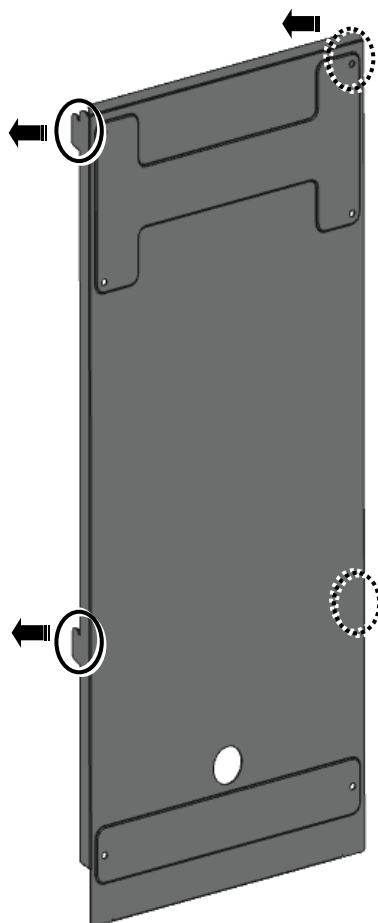
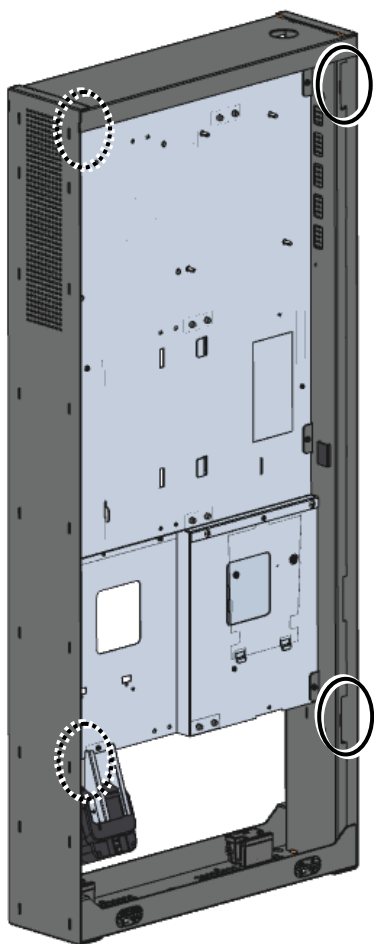


5. Fix the back cover with wall mounting holes on the wall with six screws.

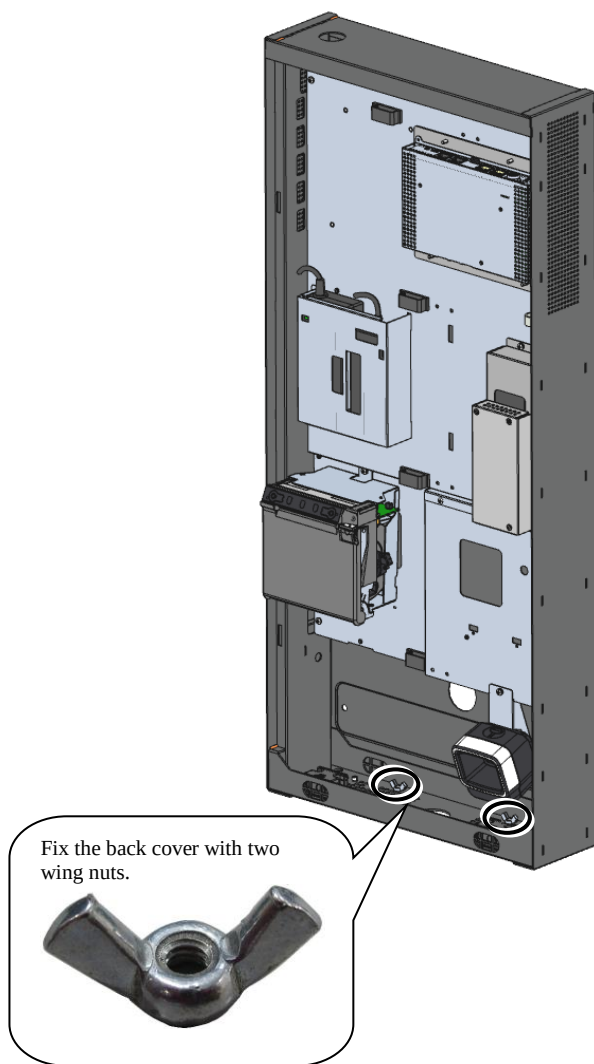


6. Install the main system unit to the back cover, and please note there are four hooks on the back cover. The four hooks need to be stuck into the four slots of the main system. Please refer to the below pictures.

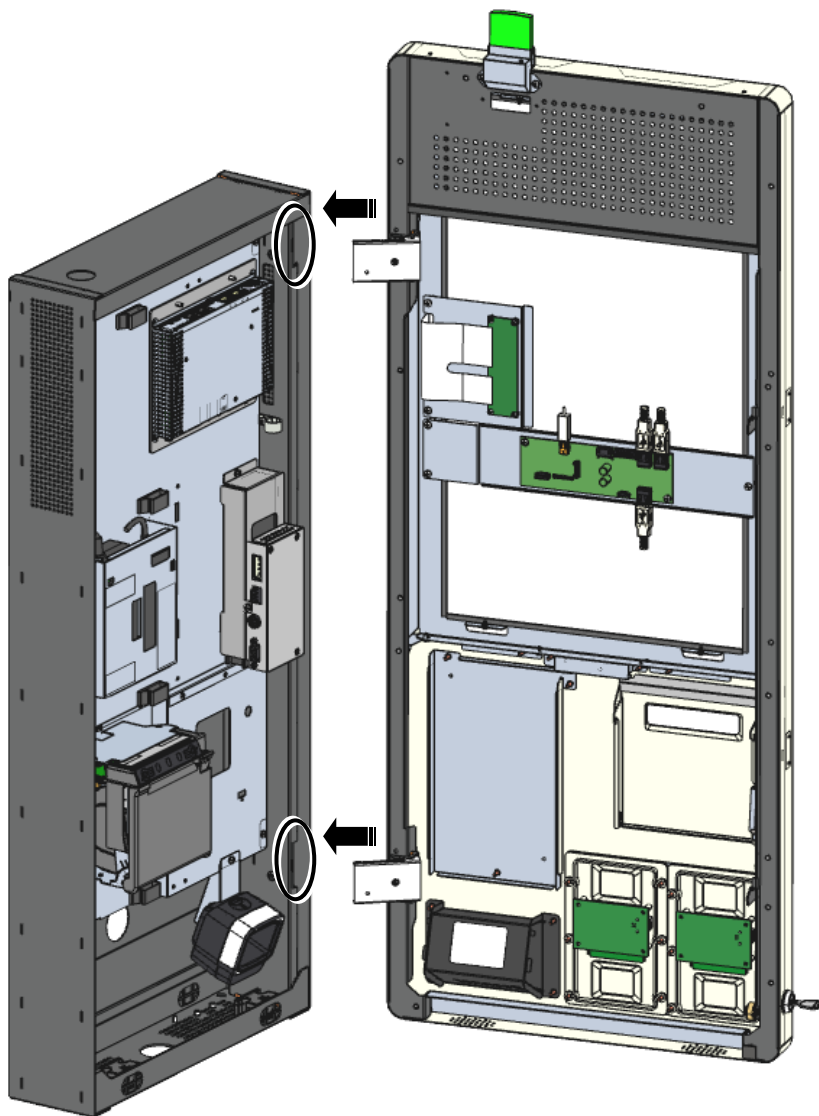




7. Fix the back cover with two wing nuts.



8. Install the touch monitor kit to the main system unit. Make sure the two hinge of the touch monitor kit insert into the two slots.



9. Fix the two hinge brackets with the two M4 screws.

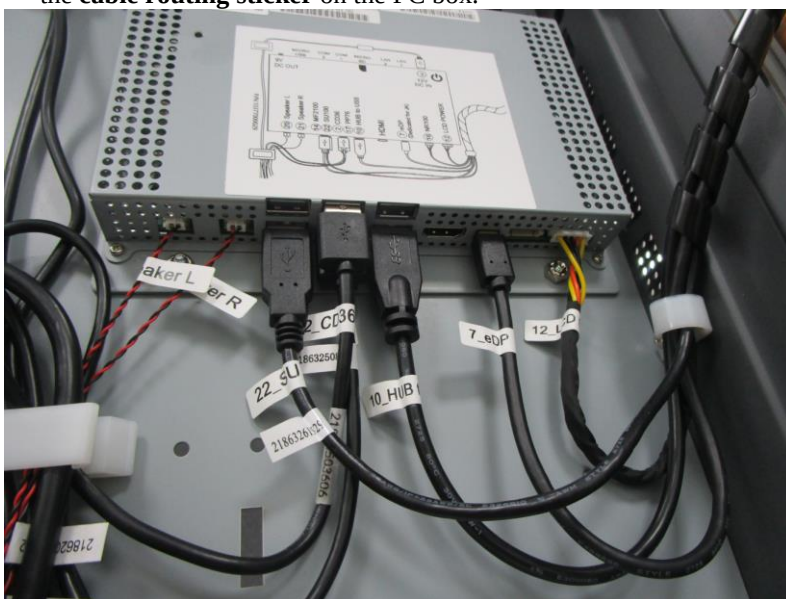


10. Put the door stopper behind the top side of the main chassis like the below picture, and fix it with two M4 screws





11. Please connect the power cable, display cable, and USB cables refer to the **cable routing sticker** on the PC box.



12. Installation completed.

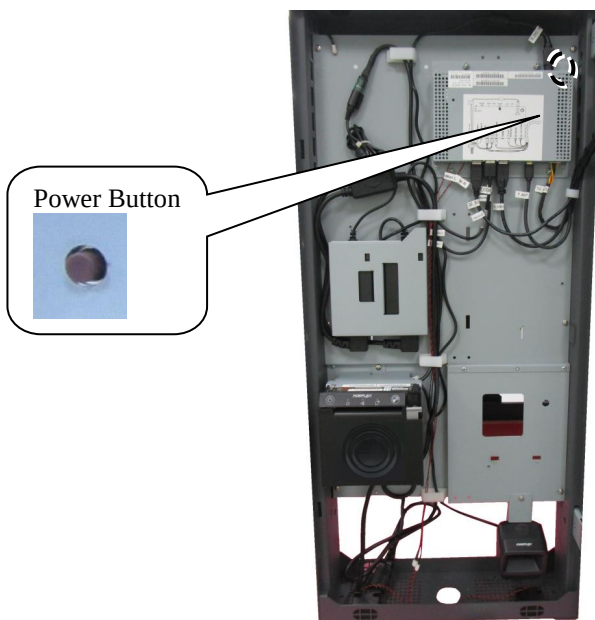
3. Powering ON/OFF the Kiosk

3.1 Powering ON JK Series

Press the power button located on the upper left side of the PCB to power on the JK Series.

3.2 Powering OFF JK Series

Push the power button to power the system off. To initiate a forced shutdown, please hold the power button down for 10 seconds.



3.3 Driver Download

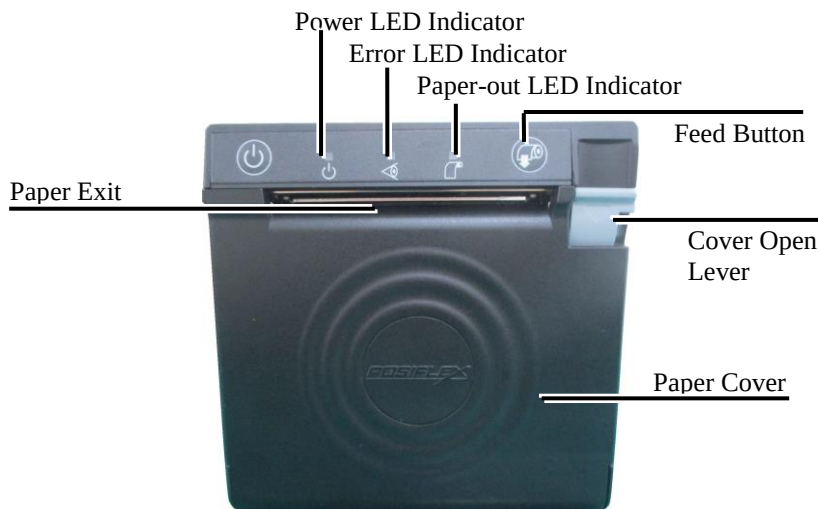
If your kiosk system is shipped without OS pre-installed, please download the relevant driver that you need from the Posiflex website (<https://download.posiflex.com/en-global/Download/index/driver/Kiosk/CachetJK-2400Series>).

4. Peripherals and Accessories

4.1 Standard Items

➤ Thermal Printer PP-7900JK

Overview

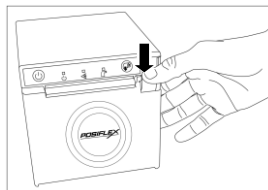


Part Names	Description
Power LED Indicator	This indicator turns on when the printer is on.
Paper-out LED Indicator	This indicator turns on when the paper-out issue occurs.
Error LED Indicator	This indicator works when the printer has something wrong. For more details, refer to the Status LED Indicators section given below.
Feed Button	Press this button once to feed the paper roll for one line. Hold down this button to continue feeding the roll paper
Cover Open Lever	Push this lever to open the paper roll cover.
Paper Cover	Open this cover when installing or replacing the paper roll.
Paper Exit	An opening where the paper is outputted

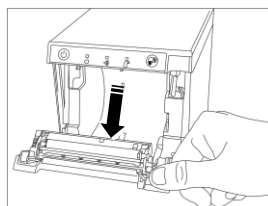
Loading a Paper Roll

Before loading a paper roll, make sure you use a specified paper type. Follow the steps below to load a paper roll.

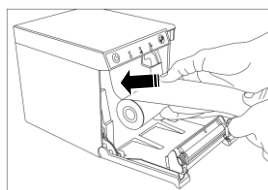
1. Press down the cover open lever to release the paper cover.



2. The paper cover ejects. Then, open the paper cover manually.

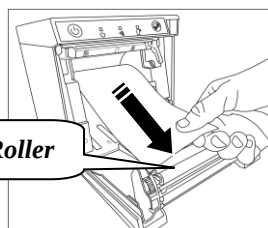


3. Drop the 80mm-wide thermal paper inside the paper compartment of the printer, as shown in the right figure.



4. Drag the paper roll to the portion where the paper roller is installed.

Paper Roller



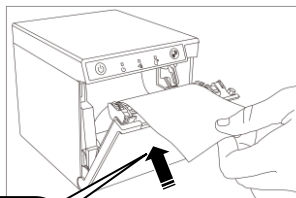
If you want to use a paper roll of 58mm width, install the spacer plate in the compartment of the printer, and then load the paper roll of 58mm width into the partition at the right side of the plate.

Next, set the paper width by using **PP-7900 Series thermal Printer Software Switch Utility for Windows**. The software switch utility can be downloaded from the Posiflex' global website:

<https://download.posiflex.com/en-global/Download/index/driver/Kiosk/CachetJK-2400Series>. To get more detailed information on the paper width jumper setting, contact

directly the Posiflex' technical service team.

5. To avoid the paper cover not being locked completely, push the central portion of the paper cover to close.



Push

Status LED Indicator

After powering ON the printer, you can read the printer operation status from the power LED indicator on the printer. The LED status is described below.

LED	Status	Description
Power LED	Solid blue	Printer powered on
Error LED	Flash red + several beeps	Cutter abnormal
	Solid red	Cover open
	Flash red	Operation temp. high
Paper-out LED	Solid red + continual beep	Paper out

Cleaning

- Cleaning the Printer Case

Before cleaning the printer case, be sure to power off the printer, and wipe the dirt off the printer case with a soft wiping cloth.



Do NOT clean the product with alcohol, benzene, thinner, or other such solvents. Doing so may damage or break the parts made of plastic and rubber.

- Cleaning the Thermal Head and the Platen Roller

We recommend cleaning the thermal head to maintain receipt print quality. Clean the thermal sensor by using a cotton swab moistened with anhydrous alcohol. We also recommend cleaning periodically (about once every 3 months).

Depending on the paper roll used, paper dust may stick to the platen roller and the paper may not be fed correctly. To remove the paper dust, clean the platen roller with a cotton swab moistened with water. Power on the printer only after the water has completely dried.



After printing, the thermal head and its surroundings can be very hot. Be careful. Let it be cool before you clean it.



Do not damage the thermal head with your fingers or any other hard object.

Troubleshooting

➤ The printer cannot print

If you cannot print even though an error has not occurred, perform a self-test to check if printing is possible.

Follow the steps below.

1. Close the paper cover.
2. While pressing the feed button, power on the printer. (Hold down the feed button until printing starts.) The current print status is printed.
3. Briefly press the feed button (less than one second) to continue the self-test. The printer prints using the built-in character set. After the self-test printing, the printer is reset and switches to standard mode.

➤ LED Indicators are On/Flashing/Off

No lights is given by the LED indicators

Check whether the power supply cable is correctly connected to the printer and the socket.

Error LED is on

- ✓ Check whether the paper cover is closed.
- ✓ Check if paper jam occurs or foreign substance enters the paper cutter.
- ✓ The thermal head and its surroundings can be very hot. Printing stops if the thermal head is too hot. Printing starts again automatically when the thermal head temperature falls.

Paper-out LED indicator is on

- ✓ Check whether the paper roll is correctly installed and any paper roll remains.

Error LED indicator is flashing

Power off the printer; after 10 seconds, power it back on. If the error LED indicator turns on again even after turning the power back on, malfunction may occur. Contact your dealer or Posiflex' technical service team.

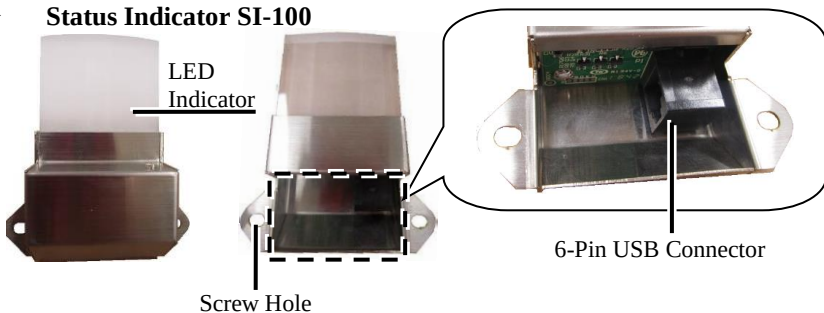
Thermal Printer PP-7900JK Specification

General		
Life span at 25 ° C and rated energy)	Activation Pulse Resistance	100 million pulses or more
	Abrasion Resistance	150 km or more
	Paper Cutting Resistance	1,500,000 cuts or more
NV Bit Image Memory		24KB (max.)
NV Graphics		256KB (max.)
Receive Buffer		6KB
Printer Driver		Windows Driver (APD), OPOS, JavaPOS (Win), CUPS Driver (Linux)
Software		Posiflex Utility (Android), PP-7900 Utility (Windows Desktop), Development Tool (Android SDK), Monitoring Tool (RMS)
LED Indicators		Blue LED – On = Power Red LED - Error and/or Paper Out
Sensors		Cover Open / Out-of-paper / Paper Near End (Option)
Power Consumption		Approx. 1.5A (mean)
Power Source		AC adapter (24V DC)
Power Saving		N/A
Temperature		Print quality assured: +5°C ~ +40°C / Operating: 0 °C ~ +40°C / Non-operating: -20°C ~ +60°C
Relative Humidity		Operating: 20 ~ 85%, non-condensing 35% above for auto cutter / Non-operating: 5% ~ 90%, non- condensing (paper excluded)
Acoustic Noise Level		55db
Standards and Approvals		EMI FCC Class A, CAN ICES-3(A)/NMB-3(A) Safety Standard UL60950-1/CSA C22.2 No60950-1
Print		
Print Method		Thermal dot line printing
Print Speed		250 mm/second (max)
Print Resolution		576 dots/line (W 8 dots/mm x H 8 dots/mm)
Print Direction		Vertical and Horizontal
Print Fonts		
Fonts/Column capacity		Font A: 12 x 24 dots 48col (default); Font B: 10 x17 dots 57 col; Font C: 9 x 17 dots 64 col
Character Size		Font A: 1.25 x 3.00 mm; Font B: 1.13 x 3.00 mm; Font C: 0.88 x 2.13 mm
Character Set		95 Alphanumeric, 18 International, 128 x 43

	Graphic
Barcode	UPC-A/E, EAN13/8, ITF, CODE39/93/128, CODABAR, GS1 DataBar
2D Symbol Printing	PDF417, QR code
Media Handling	
Type	Thermal roll paper
Print Width	80mm paper width: 72 mm 58mm paper width: 54 mm
Paper Width	80 or 58 + 0 / - 1 mm
Roll Diameter (Max)	80 + 0 / - 1 mm
Core inner Diameter (Min)	φ 8 mm
Paper Thickness	60 ~ 80 um
Paper Guide	Yes
Auto Cutter	Yes
Near end Sensor	Yes (Option)
Connectivity	
USB Interface	Built-in USB (USB Type-B connector)
Ethernet Interface	LAN (RJ-45 connector)
DC Jack	24V DC (3-pin connector)

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

➤ **Status Indicator SI-100**



Status Indicator

The default LED status is described below.

Status	Description
A flash of green	Kiosk powered on

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

➤ Camera Module CM-100

Camera Module CM-100 Basic Specification

Camera		1MP wide angle camera
Output Interface		USB 2.0 interface
Input Supply Voltage		5V
Field of View	Vertical	51°
	Horizontal	87°
	Diagonal	102°

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

➤ Proximity Sensor SU-100

Proximity Sensor SU-100 Basic Specification

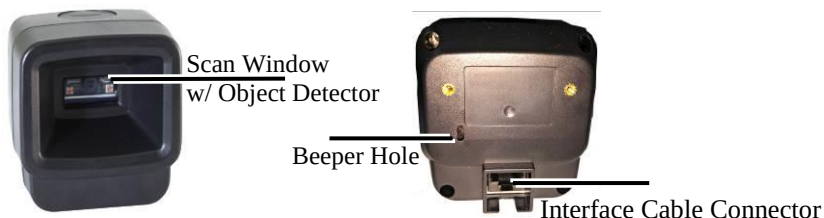
Sensing Range	1. Range from 45cm ~ 80cm (for dark color objectives) 2. Range from 45cm ~ 150cm (for light color objectives)
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※ *The product information and specifications are subject to change without prior notice.*

4.2 Optional Items

➤ 2D Barcode Scanner CD-360xK

Overview



Scanner Maintenance

The scanner is designed for long-term trouble-free operation and rarely requires any maintenance. Only an occasional cleaning of the scanner window is necessary in order to remove dirt and fingerprints.

Wipe the scan window with a soft lint-free cloth and a non-abrasive cleaner to avoid the scan window from being scratched and damaged. The scan window can be cleaned while the scanner is running.

Trouble Shooting

This section contains information about how to solve problems that you may encounter when operating the scanner. If a trouble occurs, please refer to the following diagnostic tips as a mean to solve the trouble. However, before referring to the tips, make sure that the scanner is installed well. If the problem remains, contact your dealer.

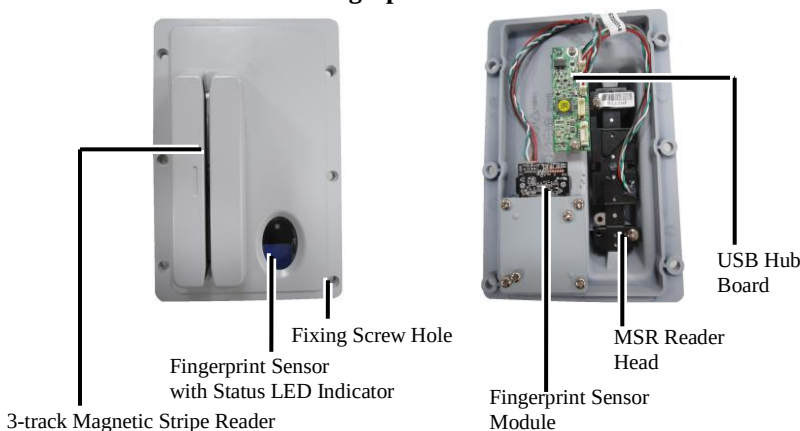
Problem	Diagnostic Tips
The scanner is on but cannot read any barcode.	The scanner window is dirty. Clean the scanner window as described in the Scanner Maintenance section.
	The presented barcode type is not enabled. Use this guide to tell the scanner to accept that type of barcode.
	The host terminal has disabled the scanner. Check the setup of host terminal.
	The barcode type presented is not supported by the scanner.
The scanner does not accept more than two or three barcode labels.	Determine whether the required barcode types are enabled or not.
	A stray barcode is sitting somewhere in the scanner field of view. Remove all barcode labels from the scanner's scan volume and try again.
	The scanner cannot send the data to the terminal system. Make sure that the scanner is installed well and your host terminal is ready to receive data.
A barcode is read by the scanner but not accepted by the terminal system.	The communication settings of the system port and the scanner do not match. Adjust the settings to make them match to each other.
	The scanner is not installed well. Contact your dealer for the proper installation. The software running on the terminal system does not support the data format of the barcode label.

Programming Codes

JK series can integrate with CD-3601JK, CD-3602JK.....etc. Different scanner model use different scanner engine. For instance, CD-3601JK use MDI-4100 scanner engine, CD-3602JK use N1 scanner engine..... Therefore, they support different programming codes. To do advanced settings of the scanner, please download the relative user manual in our global website, or contact our service team.

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

➤ 2-in-1 Device of MSR/Fingerprint Sensor MF-2100



Driver/Utility Installation and Utility Outline (Only for Windows-Based System)

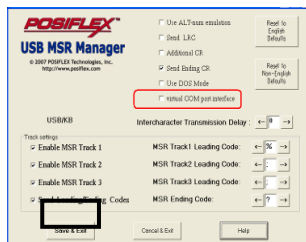
Before installing the drivers of the MF-2100 fingerprint/MSR module, after installing the MF-2100 attachment, power on the JK Series kiosk.

Installing and Starting the Posiflex USB MSR Manager

1. Before installing the USB MSR Manager, please visit Posiflex official website (<https://download.posiflex.com/en-global/Download/index/driver/Kiosk/CachetJK-2400Series>) to download the utility.
2. After downloading it, follow the step-by-step instructive messages to complete the manager installation.
3. After completion of the manager installation, restart your terminal.
4. Open the MSR manager.

※ If you purchase the attachment having MSR of which the interface is KB wedge, ignore the following steps.

5. If you purchase the attachment having the MSR of which the interface is virtual COM, tick off on **virtual COM port interface** and tap **Save & Exit** to exit from the manager.



6. Please visit Posiflex official website (<https://download.posiflex.com/en-global/Download/index/driver/Kiosk/CachetJK-2400Series>) to download the virtual COM driver.
7. After downloading it, follow the step-by-step instructive messages to complete the driver installation.
8. After completion of the driver installation, restart your terminal.

Installing the Fingerprint Driver

1. Please visit Posiflex official website (<https://download.posiflex.com/en-global/Download/index/driver/Kiosk/CachetJK-2400Series>) to download the fingerprint driver.
2. Then, follow the step-by-step instructive messages to complete the driver installation.
3. After completion of the driver installation, restart your terminal.

Using the MF-2100 Module

After installing the drivers and tools, you can start to operate the MF-2100.

Magnetic Stripe Reader (MSR)

The MF-2100 provided with magnetic strike reader mainly serves to read and decode data from magnetic stripe. Please go through the following tips while swiping your MSR cards though the reader:

1. Swipe your card with the side of magnetic stripe facing your terminal screen.
2. Swipe your card along the track of the reader in the direction shown in the figure.



Fingerprint Sensor

Keep your thumb close to the fingerprint reading area to allow the fingerprint sensor to read your thumb fingerprint.

Checking the LED status:

Standby status: solid blue

Reading Status: solid blue and solid red

(The red LED will be off after around 2 seconds.)

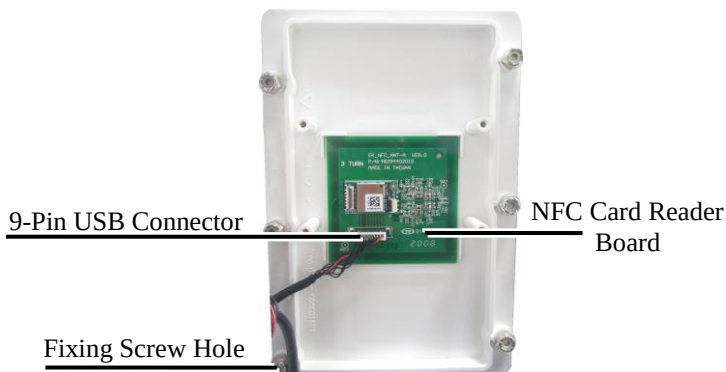
Reading Area



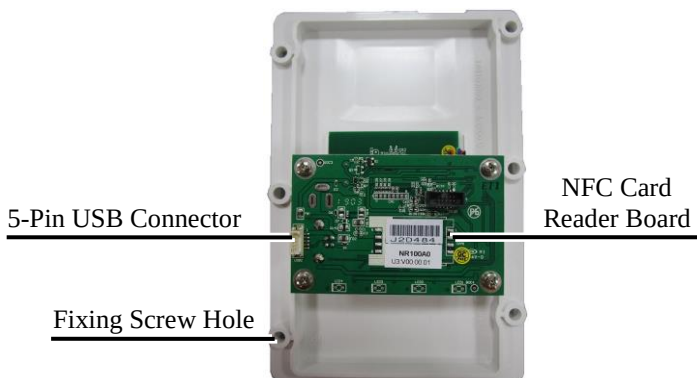
※ The product information and specifications are subject to change without prior notice.

➤ **NFC/RFID Reader NR-100**

Overview of the NR-100JK (for JK-2410/2710; Android-Based System)

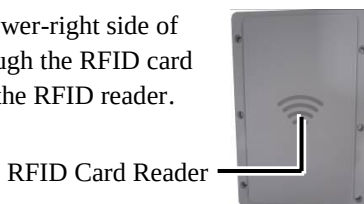


Overview of the NR-100JK (for JK-24x2/27x2; Windows-Based System)



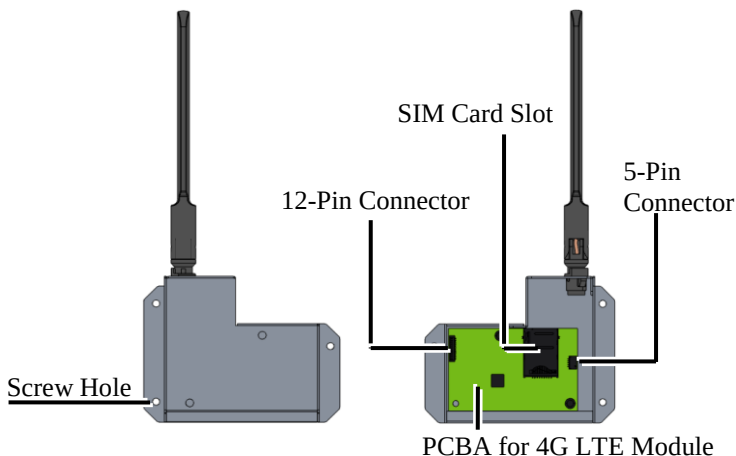
Using the NR-100 Card Reader

RFID card reader is located on the lower-right side of the attachment. To retrieve data through the RFID card reader, tap your Mifare card against the RFID reader.



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

➤ **4G LTE Module 4G-100K**



EC25 contains several variants, supporting selected bands & countries with full SIM slot (mini-PCle module) by request. To get more detailed information of 4G LTE module 4G-100K, please contact the service team of Posiflex.

➤ **WiFi Module WF-770JK**

Specification

Original Model Name/Brand	WMU6205/jjPlus
Chipset	Realtek RTL8822BU
TX/RX Streams	2x2
Bands	2.412~2.484 GHz, 5.150~5.850 GHz
Max. Speed	867Mbps
WiFi Certified	802.11a/b/g/n/ac
System Interface Type	WiFi(USB)

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

To get more detailed information of WF-770JK, please contact the service team of Posiflex.

➤ **Mounting Bracket for Specific Payment Device: EB Series**



To do more installation or get more detailed information of EB series, please contact your dealer or the service team of Posiflex.