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Selfpos80
User Manual

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Introduction

Product description

Selfpos80 is the new-generation full-scenario modular self-service checkout terminal launched by WINTEC. Designed for supermarkets, convenience stores, and restaurants, it features an integrated metal body with minimalist industrial aesthetics. It supports dual hardware platforms (X86, ARM) and multiple operating systems (Windows, Linux, Android). The modular and freely combinable architecture offers optional 15.6" or 21.5" HD 10-point capacitive touchscreens, with a wide range of optional peripherals including printers, scanners, AI cameras, scales, and payment devices. It integrates a full-link AI loss prevention system combining AI product recognition, weighing anti-theft, and EAS deactivation. The innovative front-access maintenance structure allows all core components to be serviced without moving the entire unit. Additional accessories include various trays, voice arrays, and color status indicators, balancing high performance, ease of maintenance, and multi-scenario adaptability. It enables customers to self-scan, weigh, pay with facial recognition, and benefit from store-wide intelligent loss prevention, significantly reducing labor costs and merchandise shrinkage.

Product features

- Sleek metal design, durable and easy to clean
- Dual-platform powerful hardware for stable and smooth operation
- Full-link AI intelligent loss prevention to reduce store shrinkage
- Modular optional configuration for all business scenarios
- Front-access maintenance for time- and effort-saving servicing

Specification

Windows:

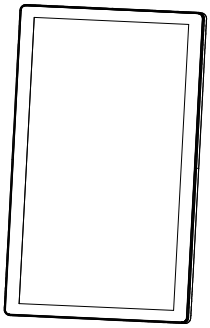
Name	813P00	812Q00
CPU	N95	RK3576
Memory	8GB, up to 32GB	4GB
Storage	128GB, up to 512GB	128GB
Main display	21.5", 1920×1080	
Touch Screen	Multi point capacitive touch screen, USB interface	Multi point capacitive touch screen, IIC interface
Speaker	Stereoscopic speaker, 2 * 5W	

Camera (Optional)	2D camera (2MP, WDR)	
Printer	80mm high-speed thermal	
WIFI	a. Dual-band 2.4GHz/5GHz; BT4.0 b. None	Dual-band 2.4GHz/5GHz; BT4.0
Ethernet	10/100/1000M adaptive	
IO ports	4*USB port 2*COM port 1*Ethernet port 1*Cash drawer port 1*24V DC IN 1*HDMI port 1*LED port	4*USB port 2*COM port 1*Ethernet port 1*Cash drawer port 1*24V DC IN 1*HDMI port 1*LED port 1*OTG port
Temperature	Operating temperature: 0-40℃ Storage temperature: -20-55℃	
Humidity	Operating humidity: 20%-95%RH Storage humidity: 20%-95%RH	

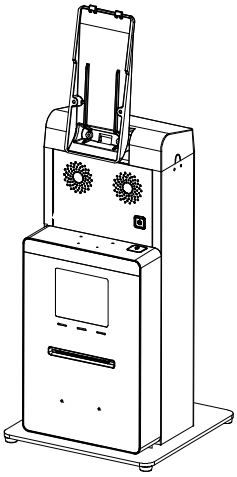
Product usage

Packing list

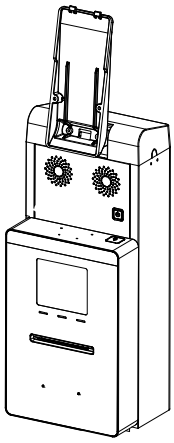
Main unit materials:



Display

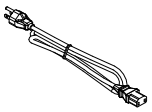


Desktop main unit

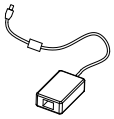


Stand main unit

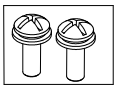
Product certificate



Power cable



Adapter

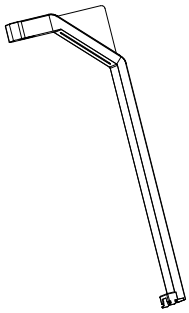


M4×12 combo screws

Receipt paper

Content	Quantity
Display	1
Desktop main unit (optional)	1
Stand main unit (optional)	1
Product certificate	1
Power cable	1
Adapter	1
M4×12 combo screws	2
Receipt paper	1

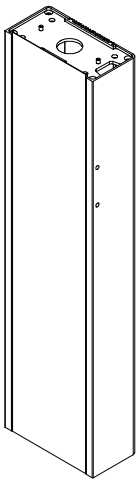
Indicator light assembly (optional)



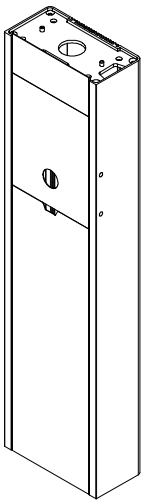
Indicator pole

Content	Quantity
Indicator pole	1

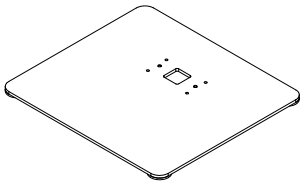
Stand assembly (optional)



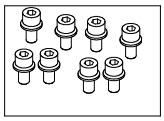
Stand pole (without tray)



Stand pole (with tray)



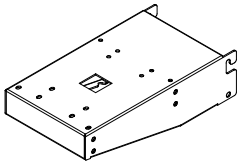
Base plate



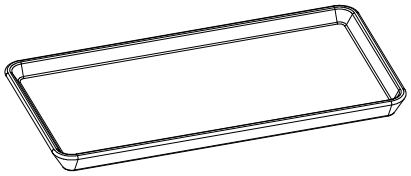
M8×16 hex socket combo screws

Content	Quantity
Stand pole (without tray)	1
Stand pole (with tray)	1
Base plate	1
M8×16 hex socket combo screws	8

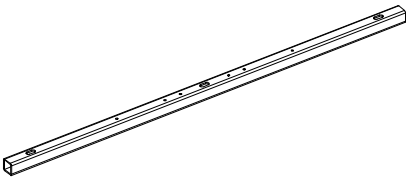
Supermarket tray (optional)



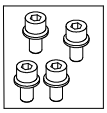
Tray bracket



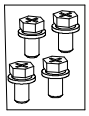
Tray



tray support rods



M8×16 hex socket combo screws

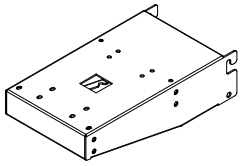


M6×16 cross pan-head combo screws

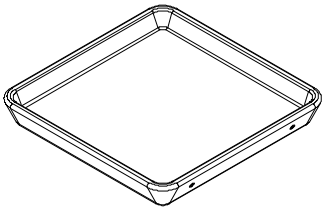
M6×12 cross pan-head combo screws

Content	Quantity
Tray bracket	1
Tray	1
tray support rods	2
M8×16 hex socket combo screws	4
M6×16 cross pan-head combo screws	4
M6×12 cross pan-head combo screws	6

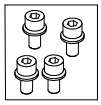
Convenience store tray (optional)



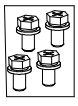
Tray bracket



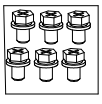
Tray



M8×16 hex socket combo screws



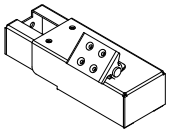
M6×16 cross pan-head combo screws



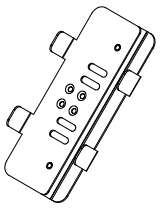
M6×12 cross pan-head combo screws

Content	Quantity
Tray bracket	1
Tray	1
M8×16 hex socket combo screws	4
M6×16 cross pan- head combo screws	4
M6×12 cross pan- head combo screws	6

Pinpad bracket assembly (optional)



Peripheral bracket



Pinpad bracket

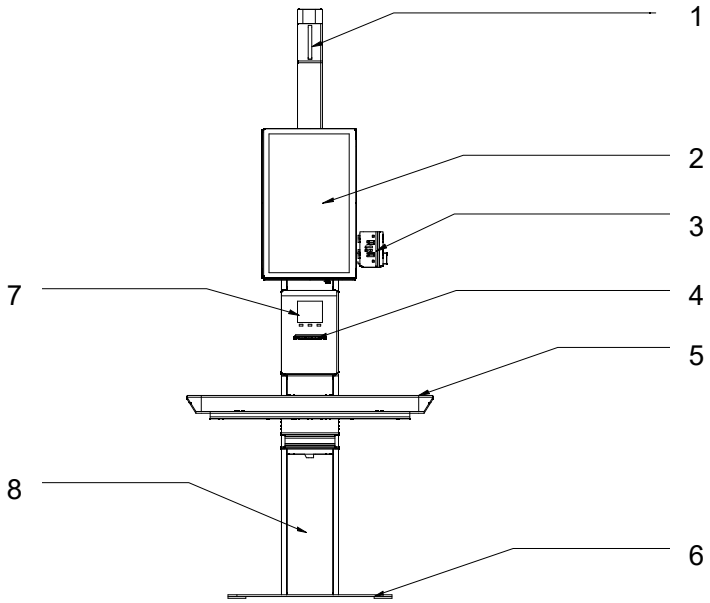
M4×12 combo screws

M4×8 countersunk screws

Content	Quantity
Peripheral bracket	1
Pinpad bracket	1
M4×12 combo screws	2
M4×8 countersunk screws	4

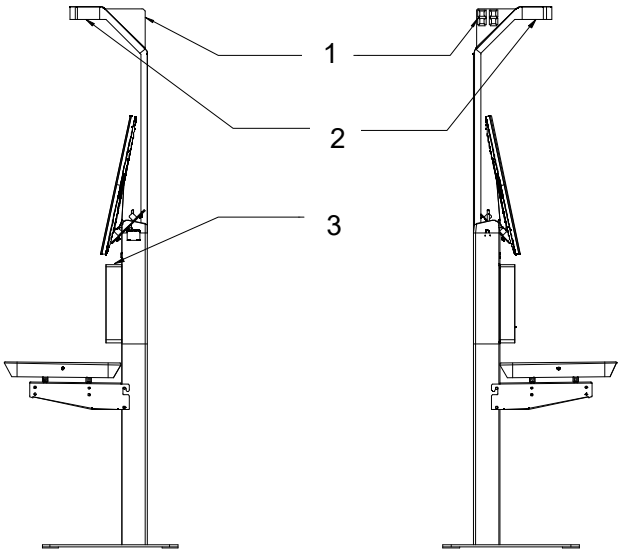
Product appearance

Front View



Number	Description
1	Indicator light
2	Display screen
3	Pinpad bracket
4	Printer
5	Tray
6	Base plate
7	Scanner
8	Stand cover plate

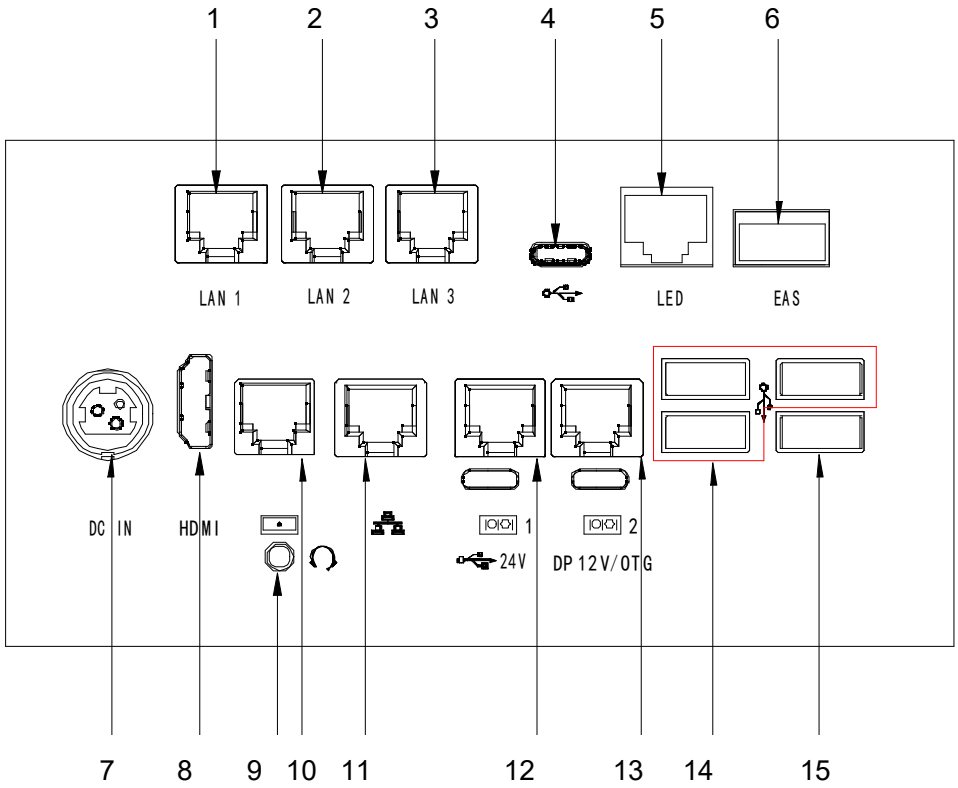
Side View



Number	Description
1	Indicator light
2	Camera
3	Front door latch

I/O ports

813P00/812Q00

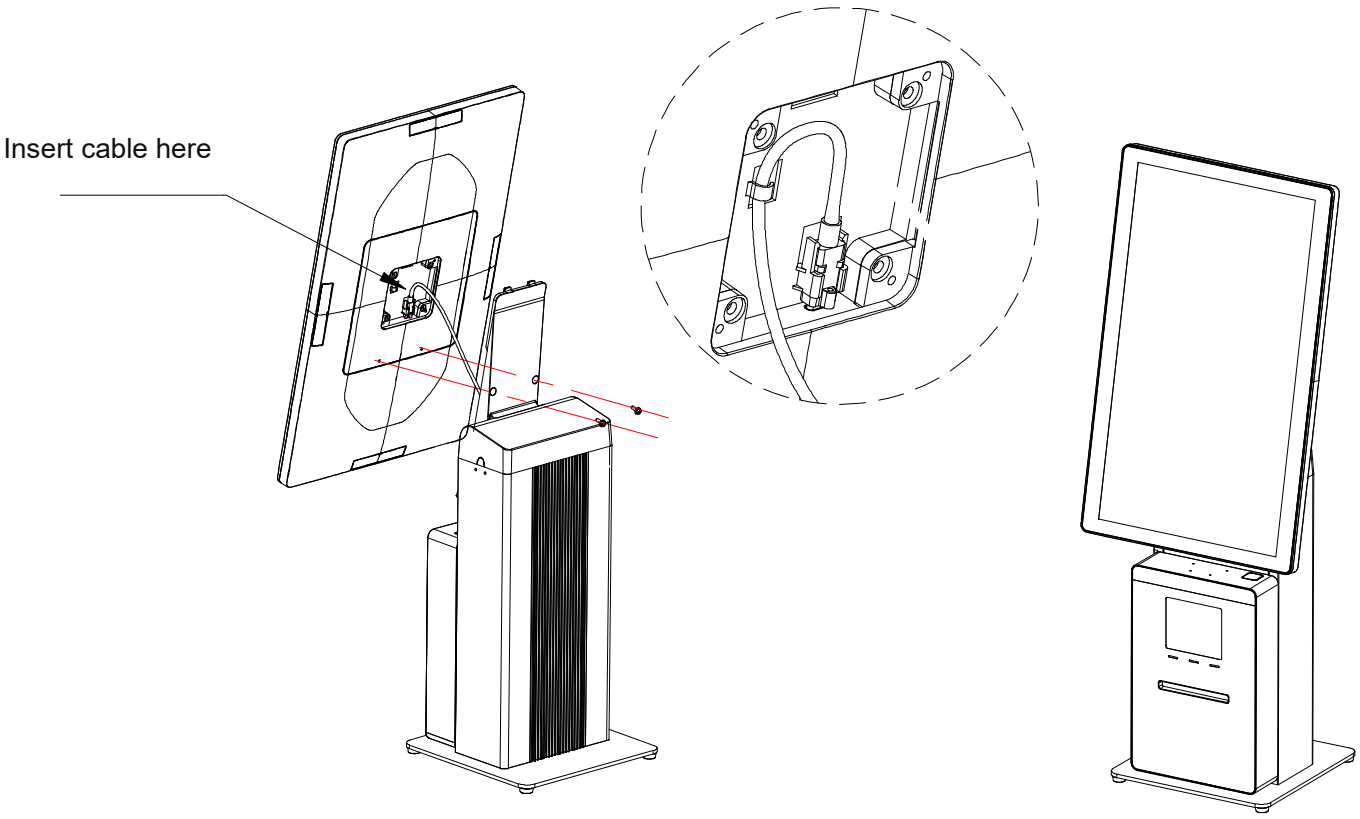


Number	Description
1	Ethernet port 1 (optional)
2	Ethernet port 2 (optional)
3	Ethernet port 3 (optional)
4	USB port
5	LED port
6	EAS port
7	24V Power input port
8	HDMI port
9	813P00:none 812Q00:Headphone jack
10	Cash drawer port
11	Ethernet port
12	COM 1
13	COM 2
14	USB port
15	813P00:USB port 812Q00: USB/OTG port

Device installation

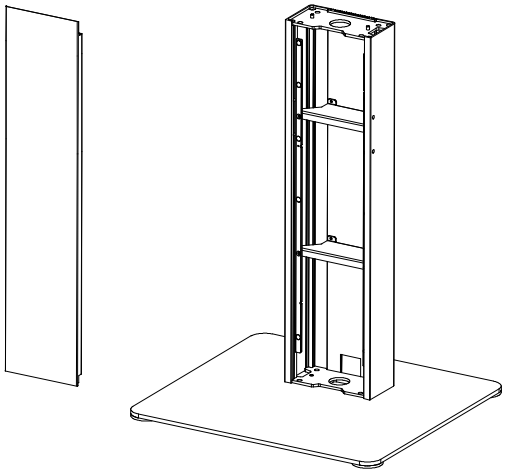
Desktop Installation (Optional)

1. Insert the Type-C cable into the display and route the cable as shown below. Use a Phillips screwdriver to secure the display to the main unit with 2 M4×12 screws.

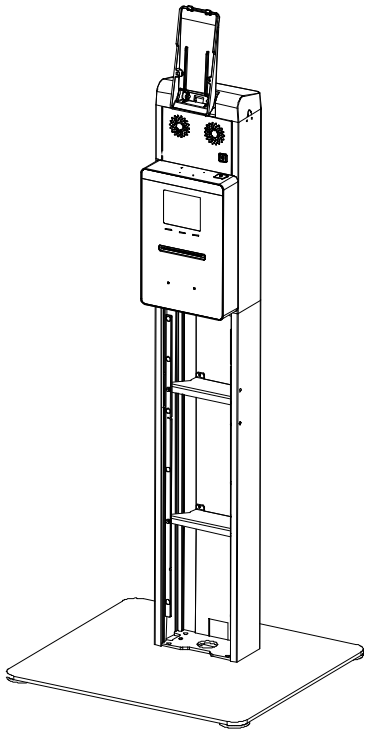


Stand Installation without Tray (Optional)

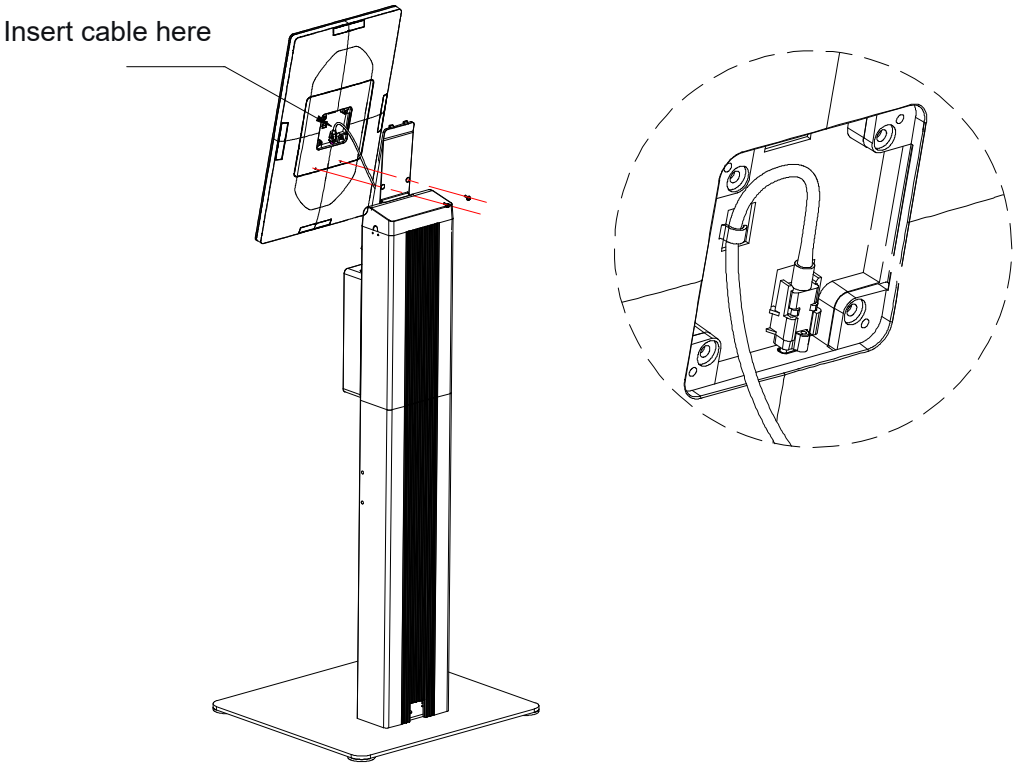
1. Remove the stand cover plate. Use a hex wrench to secure the stand to the base plate with 4 M8×16 hex socket screws.



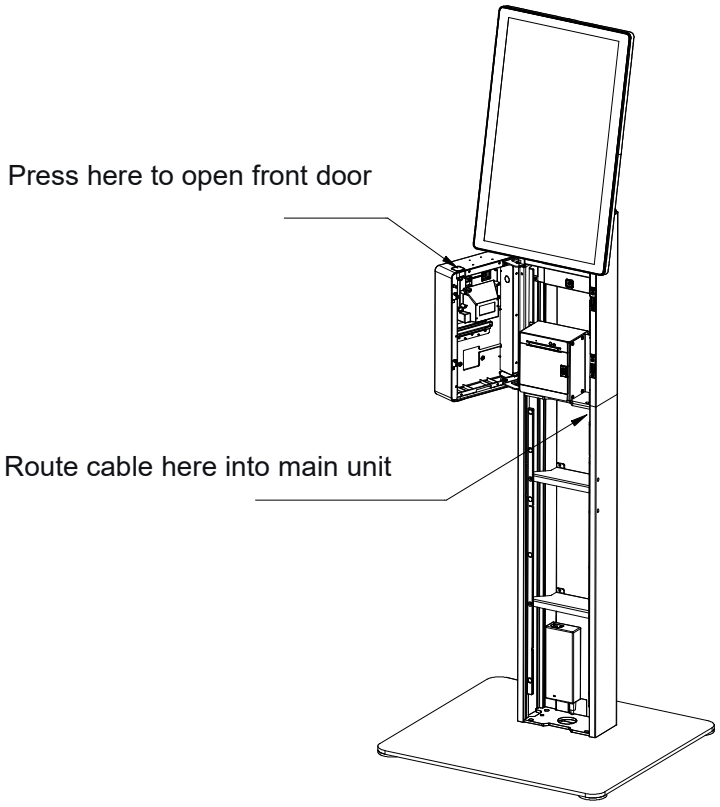
2. Use a hex wrench to secure the main unit to the stand with 4 M8×16 hex socket screws.



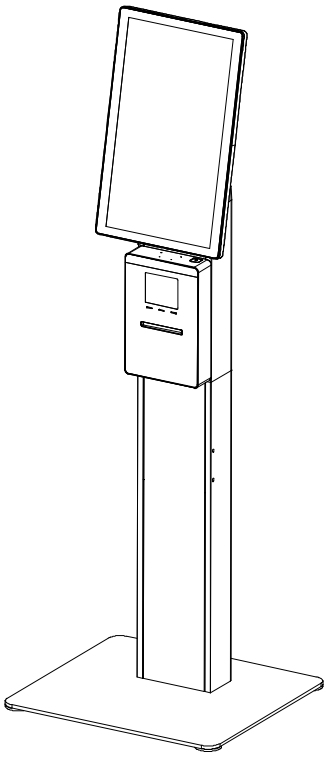
3. Insert the Type-C cable into the display and route the cable as shown. Secure the display to the main unit with 2 M4×12 screws using a Phillips screwdriver.



4. Place the adapter inside the stand, route the cable through the right-side cable hole into the main unit, and plug it into the motherboard ports.

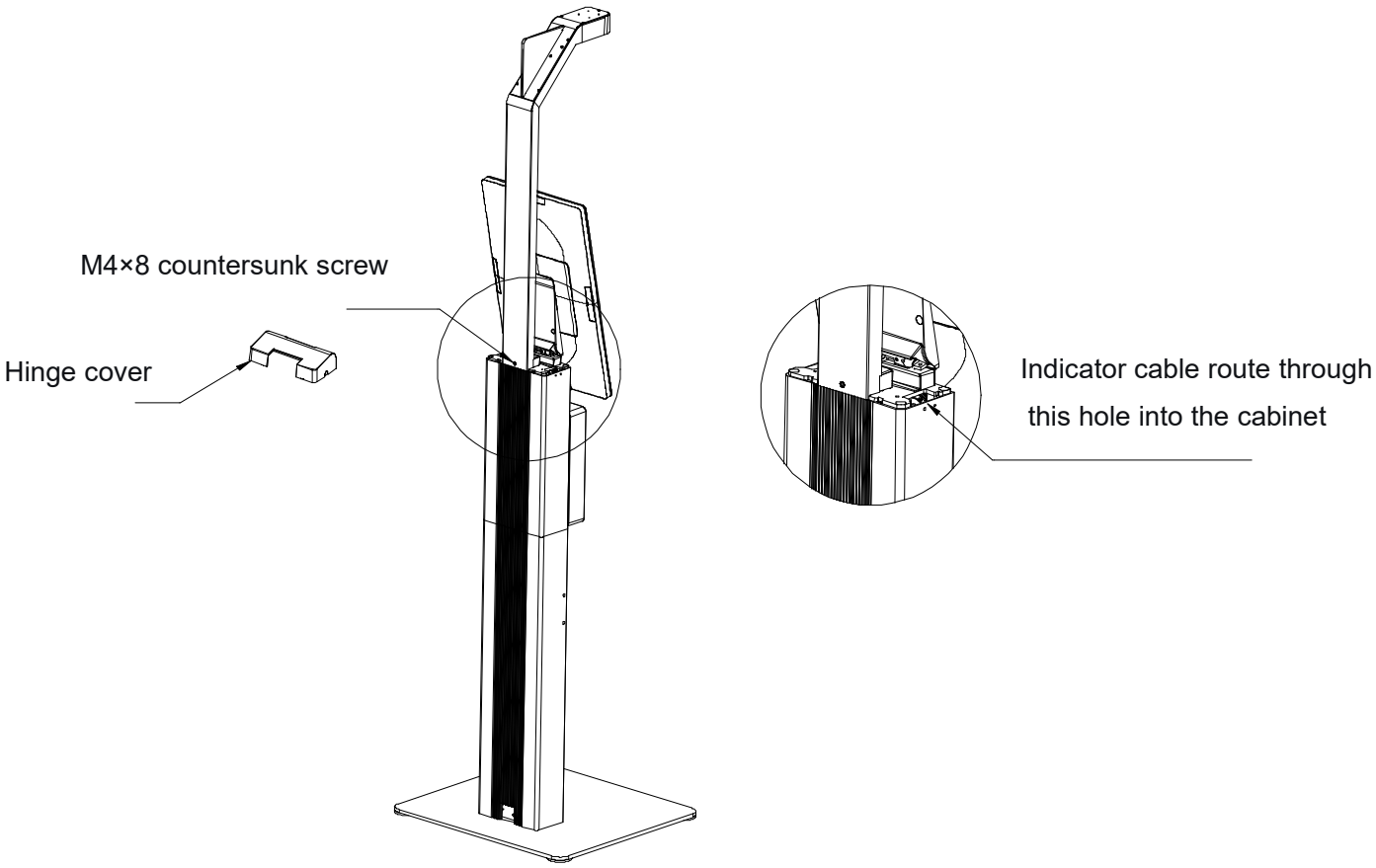


5. Reinstall the stand cover plate. Assembly complete.

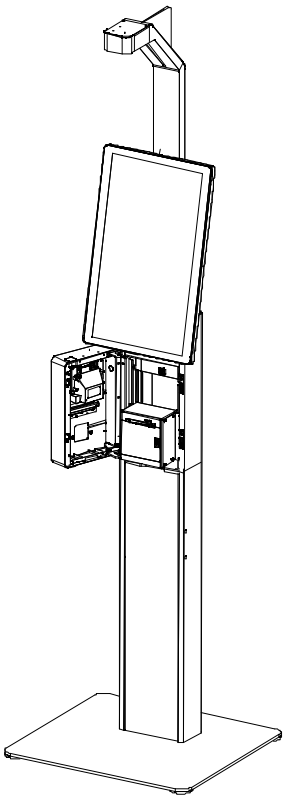


Indicator Light Stand Installation (Optional)

1. Use a Phillips screwdriver to remove the 1 M4×8 countersunk screw from the main unit; then use the same screw to fasten the indicator light stand to the main unit.
2. Route the indicator cable through the device cable hole into the main unit and tidy the cable.

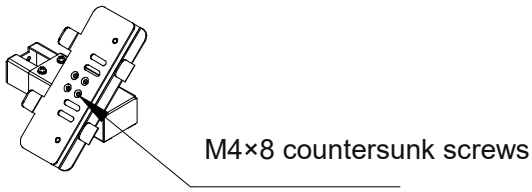


3. Open the front door and plug the indicator cable into the LED port on the interface board.

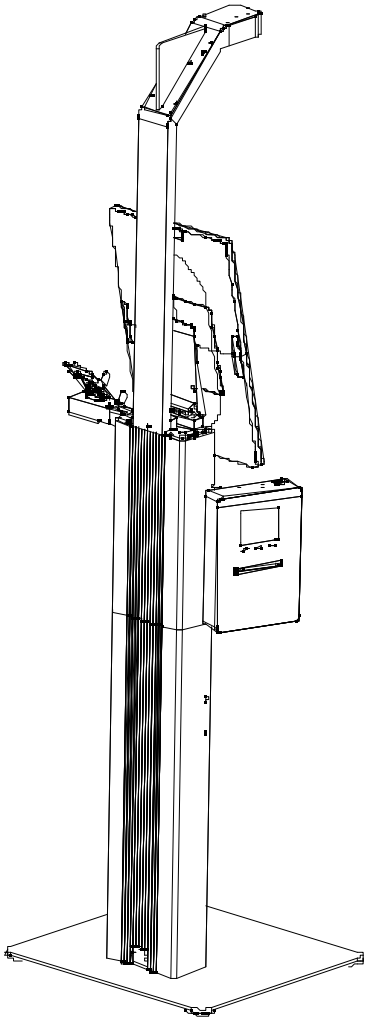


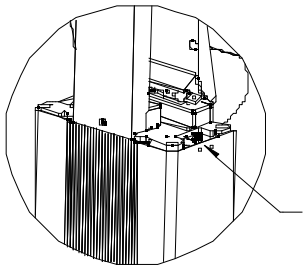
Pinpad Bracket Assembly Installation (Optional)

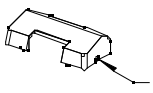
1. Use a Phillips screwdriver to secure the pinpad bracket to the peripheral bracket with 4 M4×8 countersunk screws.



2. Use a Phillips screwdriver to secure the pinpad bracket assembly to either the left or right side of the main unit as needed, using 2 M4×12 combo screws.
3. Depending on the installation side, break open the corresponding knock-out hole on the hinge cover, route the pinpad cable through the hole into the main unit, and plug it into the motherboard port.

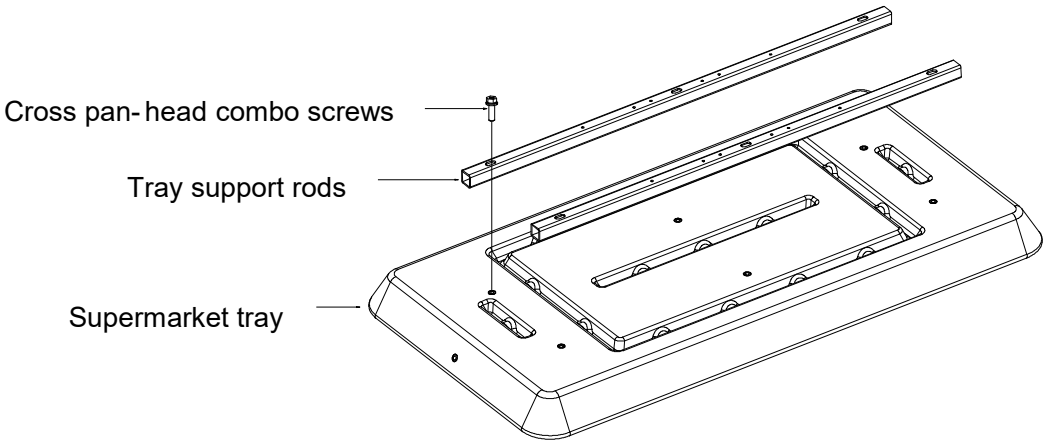




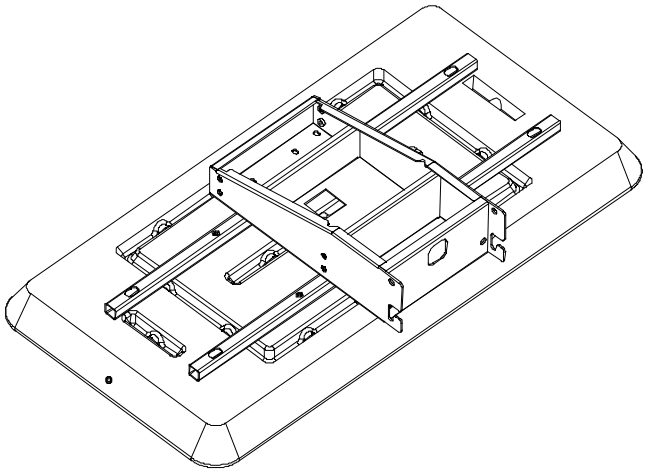


Supermarket Tray Installation (Optional)

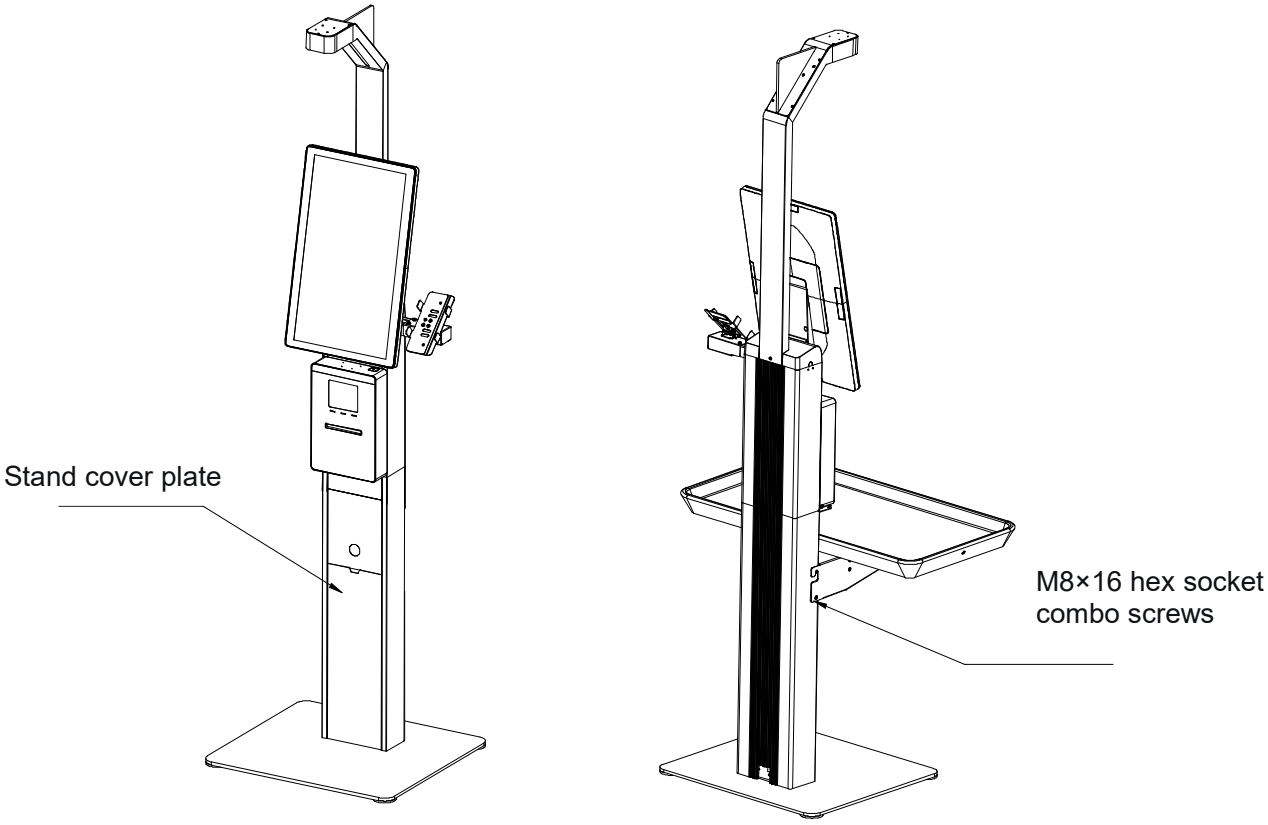
1. Use a Phillips screwdriver to secure the tray support rods to the tray with 6 M6×12 cross pan-head combo screws.



2. Use a Phillips screwdriver to secure the tray bracket to the tray with 4 M6×16 cross pan-head combo screws.

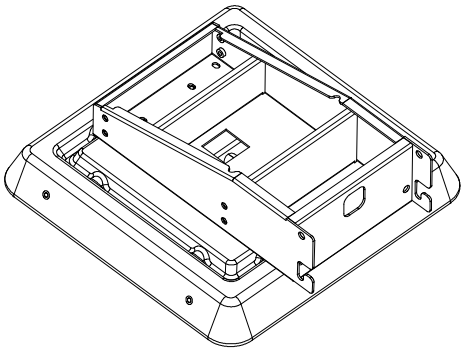


3. First reinstall the stand cover plate. Then use a hex wrench to secure the tray bracket to the stand with 4 M8×16 hex socket combo screws. Assembly complete.

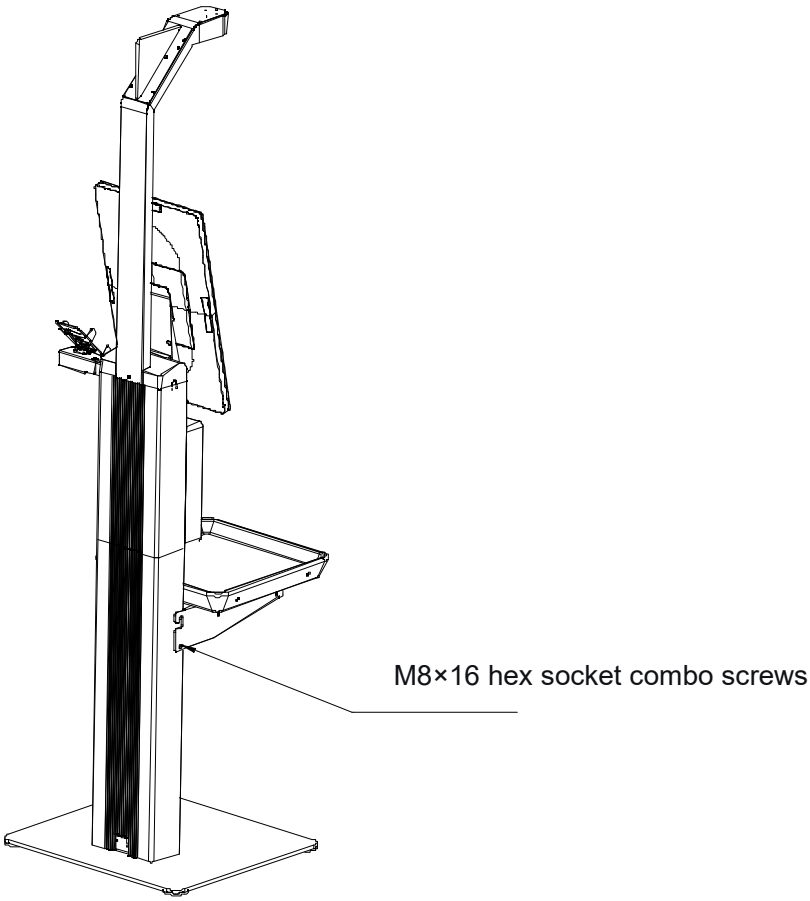


Convenience Store Tray Installation (Optional)

1. Use a Phillips screwdriver to secure the tray bracket to the tray with 4 M6×12 cross pan-head combo screws.



2. Use a hex wrench to secure the tray bracket to the stand with 4 M8×16 hex socket combo screws.



General operations

Power on

Android: Long press the switch button, hear the "drop" sound, let go, and wait for the boot.

Windows： Press the power button, release it, and wait for the power to turn on.

Power off

Android: Press and hold the switch button, and select the shutdown option in the pop-up dialog box to shut down the system.

Windows: Under the system, click the” ”button in the lower menu, select the shutdown option, and shut down the system.

Note: Do not turn off the power directly or pull out the power cable. This may cause damage to the device.

Operating system

813P00

- Windows

Peripherals	Port name	Parameters
Printer	USB	USB2.0
Indicator	COM6	Baud rate: 9600 Parity: n Data bit: 8 Stop bit: 1
canner	USB	USB2.0
Camera	USB	USB2.0

812Q00

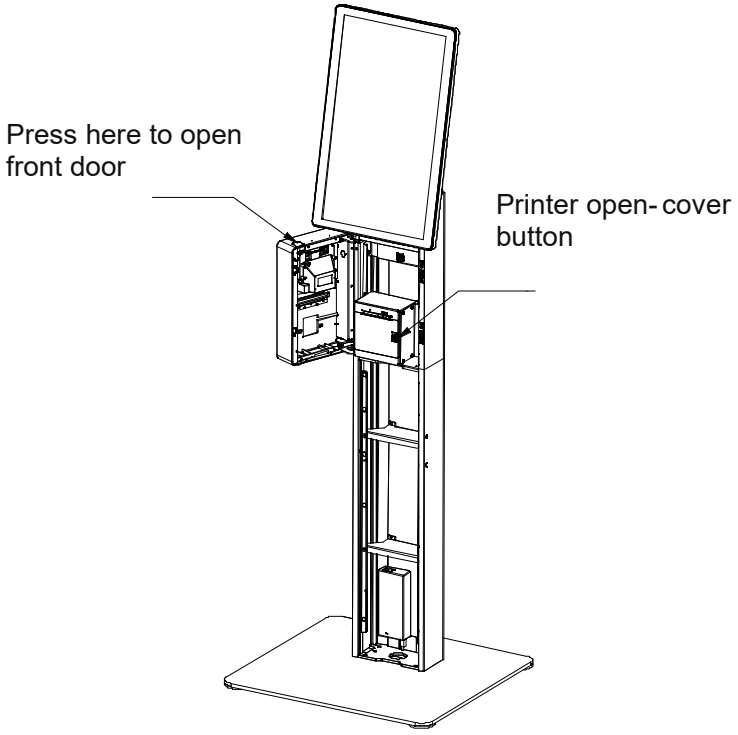
- Android

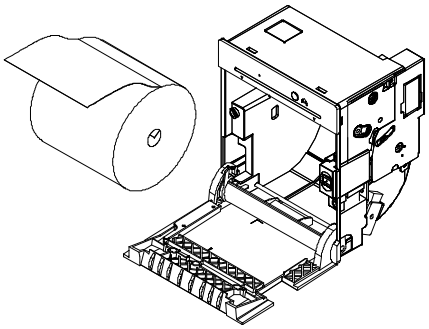
Peripherals	Port name	Parameters
Printer	USB	USB2.0
Indicator	COM4	Baud rate: 9600 Parity: n Data bit: 8 Stop bit: 1
canner	USB	USB2.0
Camera	USB	USB2.0

Common configuration

Printer Paper Loading

1. First open the front door. Then press the printer open-cover button to open the paper compartment, and load the thermal paper in the direction shown.





Hardware-Software integration

813P00

- Windows

File name	Description
Drivers	The driver file is stored on disk D

812Q00

- Android

File name	Description
WINTEC_SDK_API_Instruction.docx	WINTEC SDK API documentation
WINTEC_SDK.apk	Middleware service WINTEC_SDK
WT-SDK.jar	Middleware service WT-SDK.jar

Troubleshooting

If you are experiencing trouble with your device, refer to the following table. If the problem persists, please contact your local dealer or the WINTEC service center.

Issue	Recommended solutions
Device fails to power on	Turn off the power and check the DC power cord for proper connection.
No sound from the speaker	Install the audio driver and set the speaker output.
System nonresponse	Restart the device or unplug and plug in the power supply to restart the device.
Poor print	Print head dirt: Use special cleaning tools or alcohol cotton to clean the print head.

Revision sheet

Version	Change description	Author
1.0.0	Initial Release	Wenjie Li