

USER GUIDE

NCR P1235 POS (7745)

Release 1.0



BCC5-0000-5058
Issue E



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Preface

Audience

This publication is written for hardware installer/service personnel, system integrators, and field engineers.

Notice: This document is NCR proprietary information and is not to be disclosed or reproduced without consent.

Safety Requirements

The *NCR P1235 POS* conforms to all applicable legal requirements. To view the compliance statements see the [*NCR HSR POS Terminals Safety and Regulatory Statements*](#) (BCC5-0000-5069).



Caution: The on/off switch is a logic switch only. The AC line voltage primaries are live at all times when the power cord is connected. Therefore, disconnect the AC power cord before opening the unit to install features or service this terminal.



Caution: UV Light — Avoid looking directly at UV Lights.

Lithium Battery Warning



Warning: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type as recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.



Attention: Il y a danger d'explosion s'il y a remplacement incorrect de la batterie. Remplacer uniquement avec une batterie du même type ou d'un type recommandé par le constructeur. Mettre au rebut les batteries usagées conformément aux instructions du fabricant.

Battery Disposal (Switzerland)

Refer to Annex 4.10 of SR814.013 for battery disposal.

IT Power System

This product is suitable for connection to an IT power system with a phase-to-phase voltage not exceeding 240 V.

Peripheral Usage

This terminal should only be used with peripheral devices that are certified by the appropriate safety agency for the country of installation (UL, CSA, TUV, VDE) or those which are recommended by NCR Corporation.



Warning: DO NOT connect or disconnect the transaction printer while the terminal is connected to AC power. This can result in system or printer damage.



Warning: DO NOT connect or disconnect any serial peripherals while the terminal is connected to AC power. This can result in system or printer damage.

Grounding Instructions

In the event of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This product is equipped with an electric cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances. Do not modify the plug provided – if it will not fit the outlet, have the proper outlet installed by a qualified electrician. Improper connection of the equipment-grounding conductor can result in a risk of electric shock.

The conductor with insulation having an outer surface that is green with or without yellow stripes is the equipment-grounding conductor.

If repair or replacement of the electric cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal. Check with a qualified electrician or service personnel if the grounding instructions are not completely understood, or if you are in doubt as to whether the product is properly grounded.

Use only 3-wire extension cords that have 3-prong grounding plugs and 3-pole receptacles that accept the product's plug. **Repair or replace damaged or worn cords immediately.**

Returning Defective Hardware for Service

Use the following procedure to report/return defective hardware.

Call the *NCR Customer Care Center* at 1-800-262-7782 and have the following information available when you place the call.

- Class/Model number of the defective equipment
- Serial Number of the defective equipment
- Equipment location in the store
- Description of the problem, including any system error codes, error condition, or guidance to the area of failure.

The NCR Agent will provide you with a work order number, which serves as your Return Material Authorization (RMA). Please provide the RMA on the outside of the shipping box.



Note: A work order must be opened for each device that is shipped for repair.

References

- *NCR P1235 POS (7745) Site Preparation Guide (BCC5-0000-5057)*
- *7745 Service Guide (BCC5-0000-5059)*
- *7745 PIM (BCC5-0000-5060)*

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Appendix A: Product IDs

Revision Record

Issue	Date	Remarks
A	June 2016	First Issue
B	Apr 2017	Added the following updates: <ul style="list-style-type: none">• Quickserve 24V PUSB + 12V PUSB + Dual CD (24V) Expansion• USB MSR with NCR Key• Android OS• Product IDs
C	Mar 2020	Added Cleaning chapter
D	Oct 2020	Updated cabinet cleaning procedures
E	Nov 2020	Added “Programming the Scanner” section

Chapter 1: **Product Overview**

Introduction



The NCR P1235 is a Point-of-Sale (POS) terminal designed for the restaurant and food service environment. The terminal utilizes a next generation Intel® Celeron™ Processor N3160 (Quad core, 2.24 GHz). The highly efficient processor offers great performance, but with lower power consumption for a more reliable design. The POS terminal comes in a 12-inch display with a projected capacitive (PCap) touch screen.

Features and Benefits

Features	Benefits
Intel® Celeron™ Processor N3160 (Quad core, 2.24 GHz).	Fast performance, powerful quad-core and very low power. Long life cycle commitment from Intel.
Quad-Core Technology	Integrates four complete execution cores in a single processor providing advancements in simultaneous computing.
NCR Countertop Enclosure	Fully integrated, low-profile, water, and tamper resistant housing for high functional retail interaction.
12" XGA (1024x768) LED LCD Primary Display	Energy efficient and long life LED display. Excellent brightness, contrast, and color depth. Enables the proper display of high-quality graphics to ease use and decrease training time for retail employees or to directly engage the consumer.
Software-adjustable Brightness and Contrast Control for Main Display	Better display characteristics for user as well as significantly increased bulb life for main display.
Integrated projected capacitive screen controller	Flat front, zero bezel modern design. Capacitive screen offers greater durability and display clarity with full multi-touch support.
SATA Flash Storage SSD Options	Large capacity 40GB solid-state drive (SSD) 2.5" flash drive. Additional capacities may be available. No moving parts for increased uptime and better reliability.
Integrated Stereo, Speakers	Provides high-quality feedback for user interaction.
System Management features	Supports ACPI, SMBIOS, DMI, SNMP, WfM, and PXE. Also supports metering, remote desktop, remote execution, BIOS update, system inventory and asset management.
Recovery Tool	Provides a dedicated recovery button for factory restore and site backups.
1 PCI Express Minicard connector (half height)	Provides expansion slots typically for integrated wireless card.
5 Serial Ports (3 x RJ12 powered @ 12v, 2 x RJ45 powered @12v or 5v)	Provides data I/O with any RS-232 peripheral and power.

Features	Benefits
4 USB 3.0 Ports	Provides data I/O with any USB peripheral. Fast data rates with USB. Note: This product does not support low speed USB devices (1.5Mbit/s). NCR recommends using Full, High, and SuperSpeed USB devices to avoid a possible coexistence problem with higher speed peripherals in electrically noisy environments not following the NCR Workstation and Peripherals AC Wiring Guide (BSTO-2115-53). None of NCR's current peripherals are low speed USB.
1 Powered USB 12 V Port	Provides 12V power and data I/O with any USB peripheral and can be used as a standard USB 2.0 port. Refer to www.poweredusb.org for more information.
1 Dedicated Cash Drawer Port (RJ12, 24V)	Provides port for direct drive cash drawers (12 V or 24 V dual cash drawer support via Y cable).
1 HDMI Port	Provides port for a second digital display. Cable available to DVI.
1 Display Port	Provides port for third digital display.
Retail and Hospitality Hardened Design	The retail and hospitality hardened design offers a spill resistant, high impact enclosure that is built to withstand tough in-store conditions with continuous operation. The fanless configuration increases reliability by preventing forced air through the unit, thereby reducing contaminants in the system. The P1235 is configured as a silent, thin-client, fanless, solid-state terminal for maximum reliability.
Variable Position Tilt-Stand with Power Supply	The tilt-stand provides variable tilt positions that are secured without need for pins or locking knobs. The dual-friction hinge allows for continuous, smooth rotation throughout the tilt angle. The stand includes a Cable Door to prevent accidental disconnect or tampering. It also offers through-counter cable routing, which hides all cabling from view. With the power supply located in the base as standard, thermal dissipation of the power supply is isolated and away from the touch head motherboard electronics, which increases reliability of the terminal. The large power supply (150 W) is external to the P-Series stand.

Optional Features and Benefits

Features	Benefits
Customer Display	Options include 2x20 VFD (integrated or mounted) or 10" display with full motion video, POS or extended mounting.
Biometrics Fingerprint Reader	Integrated Digital Persona 4500 optical, 512 dpi resolution fingerprint reader for employee login and security.
Integrated MSR	Adds a 3 Track EMSR, Magtek USB 3 Track EMSR, or USB MSR with NCR key.
2D Imager	Integrated Honeywell Imager module. 1D/2D barcode scanner with ability to read from many media types.
UV Light Sensor	Integrated ultra-violet light module and motion sensor for reading counterfeit currency, ID cards, driver's licenses, credit cards, and other UV or hologram items
2-in-1 Dallas/Addimat Sign-In Module	Integrated 2-in-1 waiter key that incorporates the leading waiter keys Dallas and Addimat in one design.
Wireless Adapter Card	Wireless network connection card in a PCIe half mini-card form factor. Wi-Fi certified for 2.4 GHz and 5 GHz band, WPA and WPA2.
Camera	Provides an optional built-in, user facing camera.
Mounting Flexibility	Provides a compact design that allows wall mounting, P-Series tilt stand mounting, or X-Series tilt stand mounting
Powered USB Expansion card	Adds 1x24v powered USB port and 2 additional powered RJ12 serial connectors for a total of 7 powered serial ports.
RJ12 Expansion card	Adds 1 standard USB port and 2 additional powered RJ12 serial connectors for a total of 7 powered serial ports.
POE Expansion card	Adds 1 x RJ45 power over Ethernet port, 1 x RJ45 serial port (powered 12 v), and 1xSIM card reader. Can be used to power an NCR Basestation4 to support Orderman devices.
Quickserve Expansion Card	Adds 1 x 24V Powered USB port, 1 x 12V powered USB port, and 2 x Cash Drawer ports via splitter cable from the terminal port.

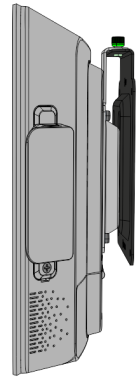
Mounting Configurations



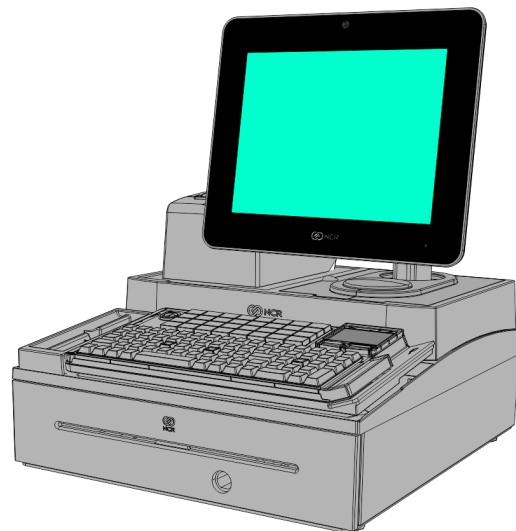
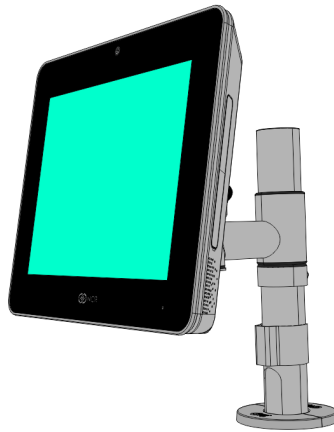
P-Series Stand
(7745 - F170)



X-Series Stand
(7702 - K031)

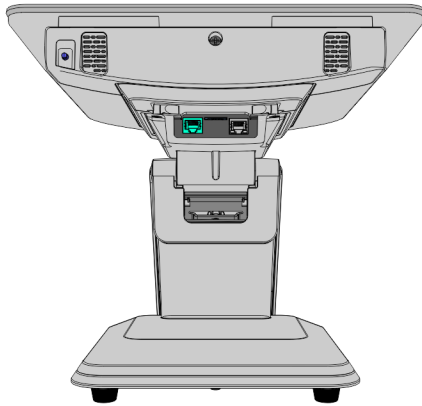


Wall Mount
(7761 - K001, 7761 - K003)

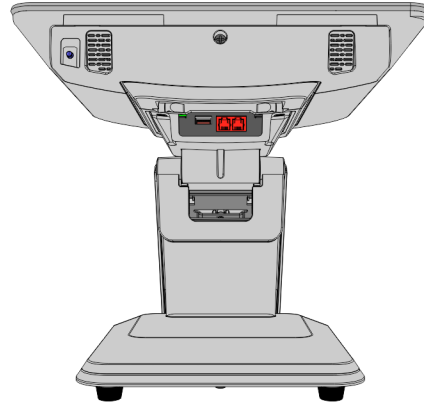


SpacePole Mount
(1668 - K103, 1668 - K104, 1668 - K105, 1668 - K106)

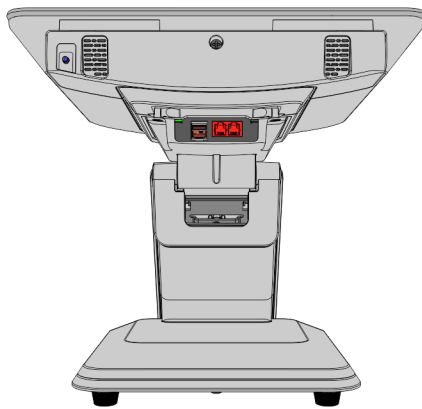
Expansion Options



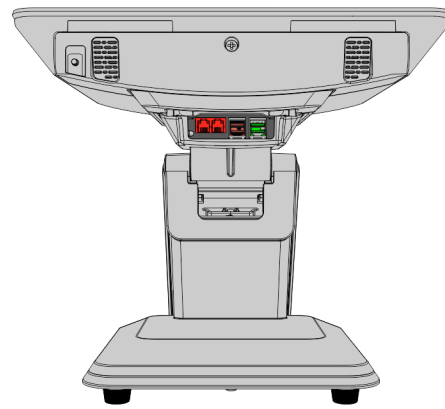
POE + RJ45 Expansion
7745 - F181



USB + Dual RJ12 Expansion
7745 - F182



24V Powered USB +
Dual RJ12 Expansion
7745 - F183



Quickserv 24V PUSB+12V PSUB
+ Dual CD (24V) Expansion
7745 - F185

Right Side Features (Port A)



3 Track Encrypted EMSR
7745 – F140



Magtek USB 3 Track MMSR
7745 – F141



MSR/Sidecar Blank
7745 – F142



Dallas Key with Bottom Blank
7745 – F143



USB MSR with NCR Key
7745 – F144

Left Side Features (Port B)



Biometrics with Bottom Blank
(7745-F150)



Biometrics with 2D Scanner
(7745-F151)



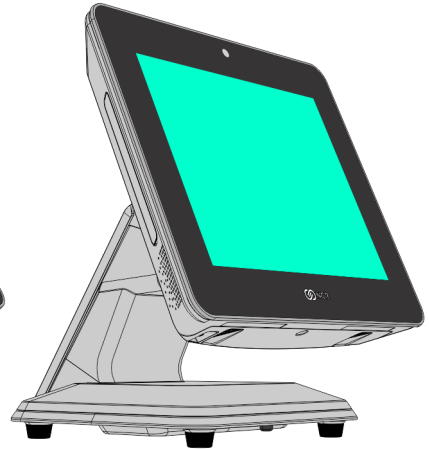
Biometrics with UV Lights
(7745-F152)



UV Light with Top Blank
(7745-F153)



2D Scanner with Top Blank
(7745-F154)



No Side Car
(7745-F155)

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Scanner

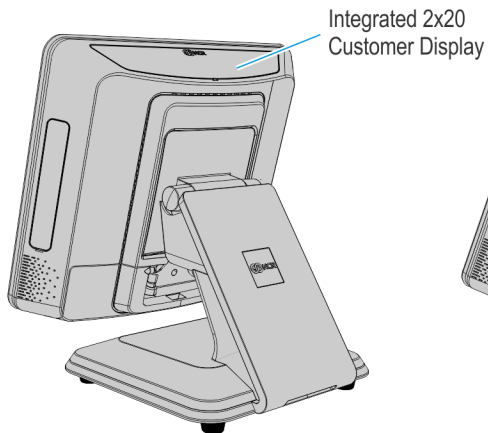
Programming the Scanner

To program the scanner to work on a Retail or Hospitality (Aloha) POS, refer to the following sections in the Imager Setup Sheets document (BCC5-0000-5470):

<http://onlinehelp.ncr.com/Retail/Scanners/ImagerSetup/HTML/FrontMatter-HTML/Home.htm>

- **Retail**
 - Honeywell N5680 Retail Quick Imager Setup
- **Hospitality (Aloha)**
 - Honeywell N5680 Aloha Programming Sheet

Customer Display Options



Integrated 2x20
Customer Display
(7745 - F451)



2x20 Customer Display
Attached to P-Series Stand
(7745 - F460)



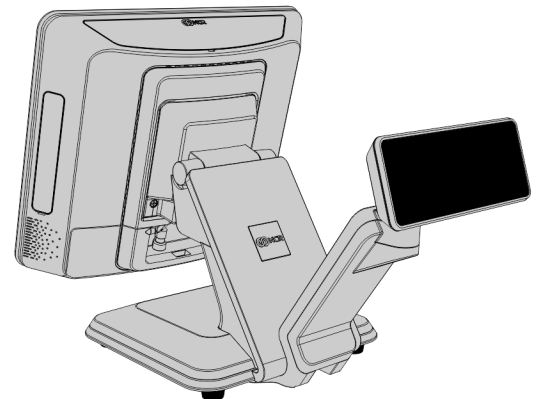
XD10 Customer Display
Integrated to P-Series Stand
(7745 - F461)



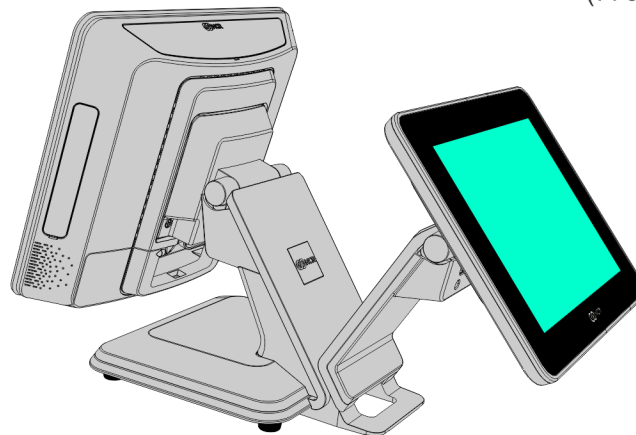
XT10 Customer Display
Integrated to P-Series Stand
(7745 - F462)



2x20 Double Byte Display - China
(7745 - F463)



2x20 Customer Display on
Arm Extension Mount
(7761 - K460)



Arm Extension Mount for
Customer Display
(7761 - K462)

Specifications

Features	Specifications
Processor	Intel® Celeron™ Processor N3160 (Quad core, 2.24 GHz)
Chipset	Intel® Braswell SoC
Memory	4GB standard up to 8GB DDR3-1600 SDRAM SO-DIMM
Storage Media	40GB upto 120GB 2.5" SSD
Operating System	Supports any of the following: <ul style="list-style-type: none"> • Windows Embedded POSReady 7 (32 bit) • Windows Embedded POSReady 7 (64 bit) • Windows 10 Embedded (32 bit) • Windows 10 Embedded (64 bit) • Android
Operator Display	12–inch XGA (1024 x 768), LED LCD, PCap Touch
Network	Auto–selecting 10/100/1000 Base - T Ethernet using TCP/IP
Enclosure	Polycarbonate/ABS impact resistant, High Strength Blend, Environmentally Sealed
Camera	High Speed USB 2.0, 1920 x 1080 FHD (2.0 M)
Wireless	<ul style="list-style-type: none"> • Dual-Stream, Dual Band 802.11 ac/a/b/g/n 2x2 2.4/5 GHz • Integrated Bluetooth
Serial Port	<ul style="list-style-type: none"> • (3) RJ12, 12 V • (2) RJ45, 12 V or 5 V
USB Port	<ul style="list-style-type: none"> • (4) Standard USB 3.0, 5 V • (1) USB + Powered USB, 12 V <p>Note: This product does not support low speed USB devices (1.5Mbit/s). NCR recommends using Full, High, and SuperSpeed USB devices to avoid a possible coexistence problem with higher speed peripherals in electrically noisy environments not following the NCR Workstation and Peripherals AC Wiring Guide (BSTO-2115-53). None of NCR’s current peripherals are low speed USB.</p>
Ethernet	RJ45 Realtek 10/100/GbE
PCI Express	(1) PCI Express Minicard Connector
Cash Drawer Port	(2) 12 V or 24 V Dual Cash Drawer Support <p>Note: A Y Cable is required when connecting to any 12 V cash drawer or to dual cash drawers.</p>

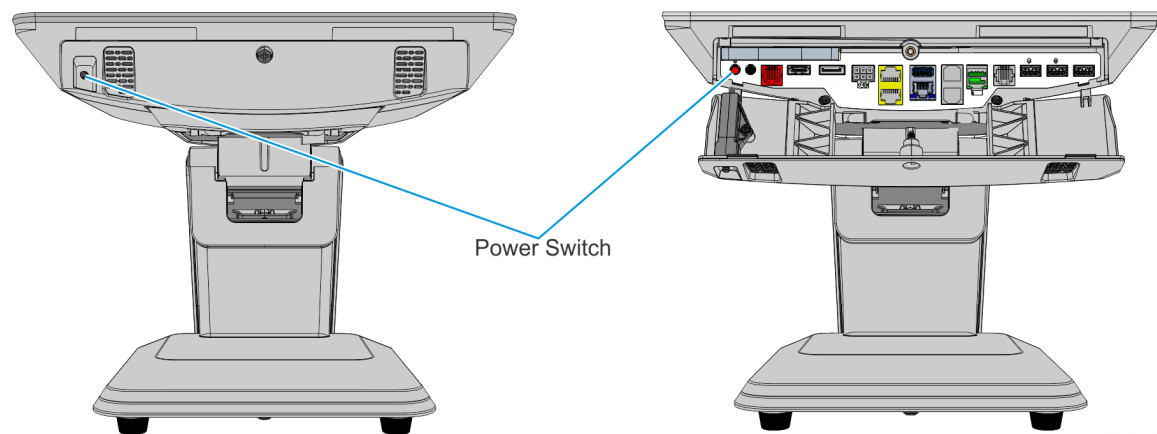
Features	Specifications
HDMI Port	(1) HDMI Port
Display Port	(1) Display Port
Expansion Cards	Expansion A Serial Port—(2) RJ12, 12V USB Port — USB 2.0 + Powered Port, 24V
	Expansion B Serial Port—(2) RJ12, 12V USB Port—USB 2.0, 5V
	Expansion C Serial Port—(1) RJ45, 12V RTS and 5V DTR Power Over Ethernet PSE — RJ45 Exar 10/100Mb 48V Typical Power IEEE 802.3af SIM Card Reader — ISO/IEC 7816 2FF SIM Card Push/Push Connector
	Quickserve Expansion USB Port — (1) USB 2.0 + Powered Port, 24V and (1) USB 2.0 + Powered Port, 12V Cash Drawer Port — (2) 12V or 24V Cash Drawer ports via splitter cable from the terminal port.
Power Supply	<ul style="list-style-type: none">• 19 V, 90 W Power Supply option• 24 V, 150 W Power Supply option
Power Cords	<ul style="list-style-type: none">• USA Power Cord, 90 W• USA Power Cord, 150 W• UK Power Cord, 90W• UK Power Cord, 150W• Europe Power Cord, 90W• Europe Power Cord, 150W• Australia Power Cord, 90W• Australia Power Cord, 150W• China Power Cord, 90W• China Power Cord, 150W• India Power Cord, 90W

Features	Specifications
Dimensions (L x W x H) (Countertop envelope through tilt angle)	Without MSR and Sidecar 269 mm x 322 mm x 342 mm (10.6 in. x 12.7 in. x 13.5 in.) With MSR and Sidecar 269 mm x 381 mm x 342 mm (10.6 in. x 15 in. x 13.5 in.)
Base Dimension (L x W) (P-Series Stand)	229 mm x 235 mm (9 in. x 9.25 in.)
Tilt Angle	3° to 111° from vertical
Terminal Weight with P-Series Stand	<ul style="list-style-type: none"> • Head Only — 3.63 kg (8 lbs) • With P-Series Stand — 6.35 kg (14 lbs) Note: Varies by configuration. Refer to the NCR P1235 POS (7745) Site Preparation Guide for more information.
Shipping Weight	<ul style="list-style-type: none"> • Head Only — 5.44 kg (12 lbs) • With P-Series Stand — 12.16 kg (26.8 lbs)
Operating Temperature	0°C – 40°C (32°F – 104°F)
Storage Temperature	0°C – 45°C (32°F – 113°F) Note: Must be in original packaging material in a humidity and temperature controlled environment.
Humidity	5% to 85%, non-condensing
Environmental Compliance	RoHs, WEEE
EMI Certifications	FCC Class A, CE, C-Tick
Safety Certifications	TUV, CB Scheme

Operator Controls

Power Switch

The Power Switch is located as shown below. The switch can be accessed when the cable cover is opened or closed.



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Chapter 2: Hardware Installation

Installation Restrictions

- Install the NCR P1235 POS near an electrical outlet that is easily accessible. Use the power cord as a power disconnect device.
- Do not permit any object to rest on the power cord. Do not locate the NCR P1235 POS where the power cord can be walked on.
- Use a grounding strap or touch a grounded metal object to discharge any static electricity from your Body before servicing the NCR P1235 POS.



Warning: This unit contains hazardous voltages and should only be serviced by qualified service personnel.



Caution: Do not connect or disconnect the transaction printer while the terminal is on. This can result in system or printer damage.

Installation Notes

Cable Restraint

The P1235 includes a cable management system with cable strap to prevent accidental disconnects and tampering. The strap is opened, peripheral connections are made, the strap is closed, and then cables are then routed through the slot in the base.

Footprint

An area of no less than 18" inches square is necessary to properly install a P1235 unit with MSR and side module. This will accommodate the unit as well as its associated mounting hardware. For customer display attached, see user guide for specific dimensions.

Power

For tilt stand option, the P1235 has an integrated 19 V, 90 W power supply rated for 110 V and 240 V (Auto-sensing), 50 Hz or 60 Hz located in the base. With the powered USB 24 V option, the power supply is a 24V, 150 W external power brick rated for 110 V and 240 V (auto-sensing), 50Hz or 60Hz. Source power is drawn from a regular AC wall outlet. The electronics are “universal” – that is, they will function when connected to standard wall outlets in most countries around the world. For use in locales other than North America, special wall outlet adapters or cables will be required. For international configurations of the P1235, typically the country specific power cord is ordered separately.

Moisture

The P1235 units should not be installed in areas where they might be exposed to direct water spray. P1235 units are not meant for outdoor installation.

Magnetic Strip Reader (MSR) Cleaning

Periodically, the MSR may need to be cleaned depending on usage. Pre-saturated MSR cleaning cards can be ordered from NCR (50/box) using part number 1666-K024.

Otherwise, wrap a card with a saturated paper towel of glass cleaner and swipe gently to clean reader head.

Biometric Cleaning

Periodically, the biometric reader may need to be cleaned depending on usage.

For this optical reader, it is recommended to apply the sticky side of a piece of adhesive cellophane tape to the window, and then peel it away. This works best and avoids chemicals which may damage the material. An alternative is to use any type of household cleaner, such as Formula 409, Fantastic, Windex, etc. Use a soft rag, cotton swab, or something non-abrasive to gently clean the reader surface. Do not use alcohol-based cleaners. Always spray the cleaner on the rag or swab first to avoid liquid pooling around the reader. Remove the excess liquid.

Do not to use chlorine based cleaners, such as Clorox bleach, non-chlorine bleach, or chlorine based bathroom / mildew cleaners. Also, do not use solvents such as acetone, MEK, TCE, paint thinner, or turpentine. The power should be removed from the terminal prior to cleaning.

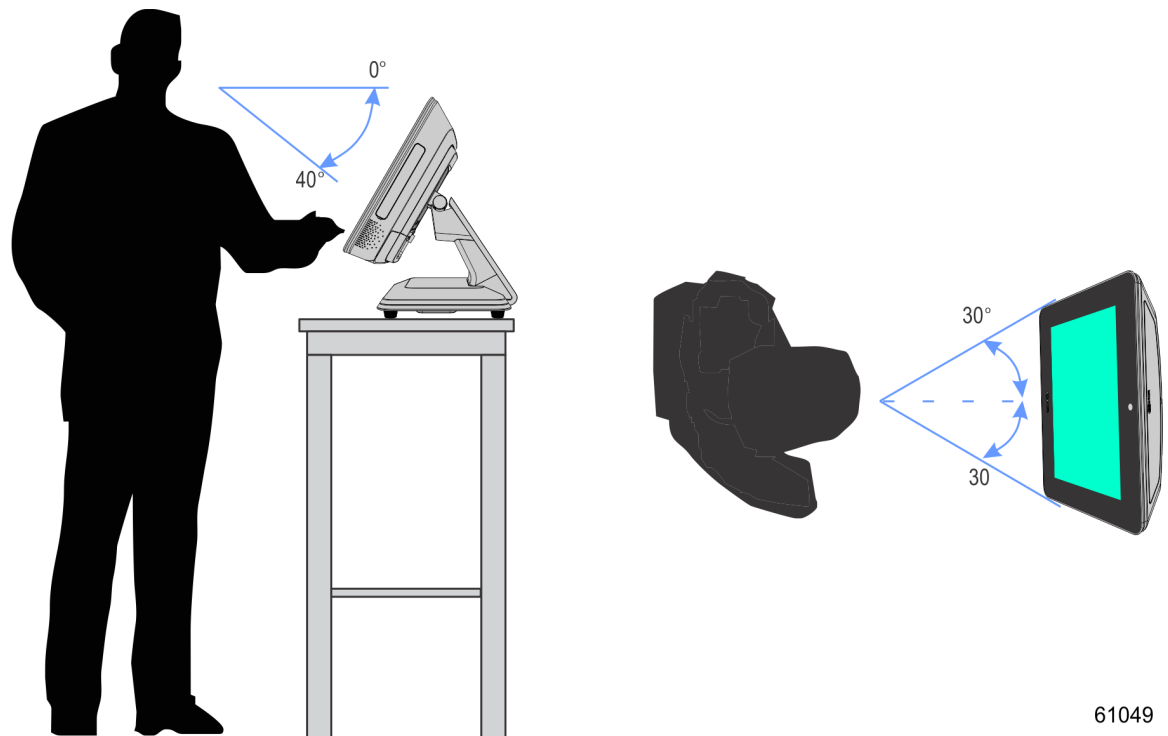
Hardware Platform Drivers

Platform drivers for the P1235 POS are available on <http://www5.ncr.com/support/>.

Ergonomic Workplace

The NCR P1235 POS has a high brightness LCD with an anti-glare screen but for best results please observe the following when considering the terminal workplace.

- Avoid direct glaring and reflective glaring light. Locate the terminal in a controlled luminance surrounding. When installed next to windows orient the terminal so it does not reflect the outside light.
- If possible, avoid reflective glaring caused by electric light sources.
- Position the terminal for ideal viewing angles.



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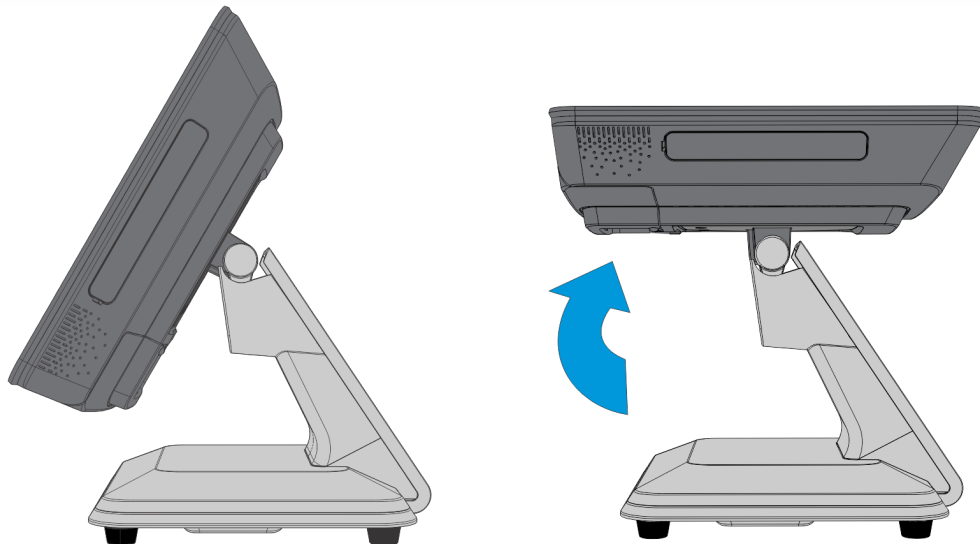
Installing the Terminal

The NCR P1235 POS with P-Series Stand comes fully assembled and ready to use. All that is required is to connect the LAN Cable and peripheral device cables.



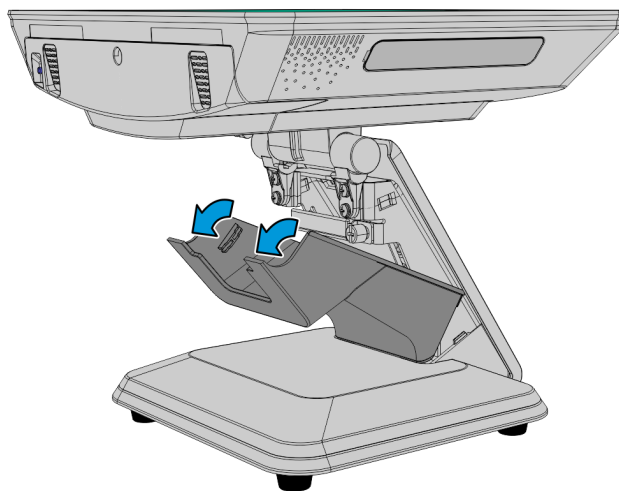
Note: For other configurations, refer to the corresponding kit instructions.

1. Pivot the display toward the back.



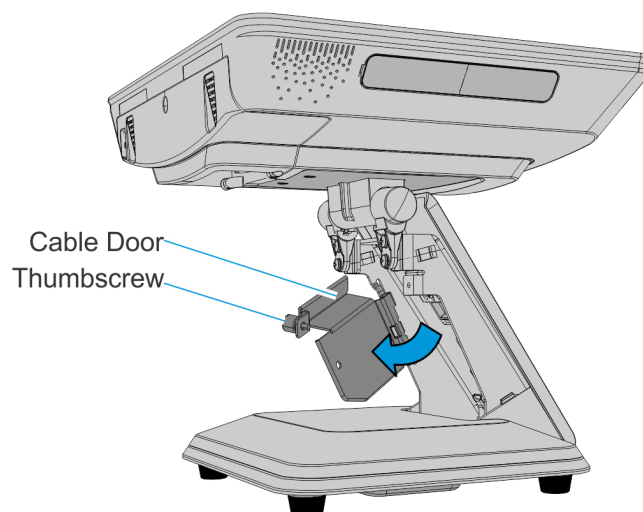
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2. Remove the Upper Stand Cover by pivoting it away from the stand. The cover has a simple snap fit connection at the top.



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3. Open the Cable Door (Thumbscrew).

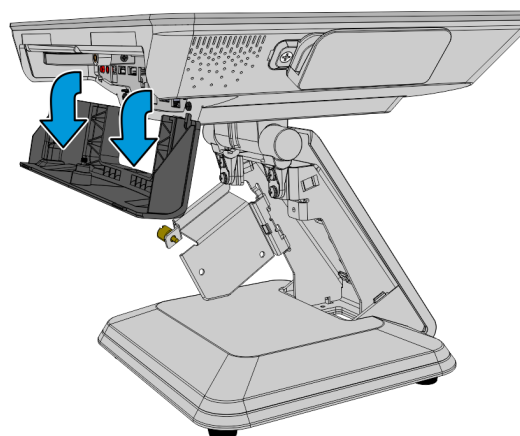
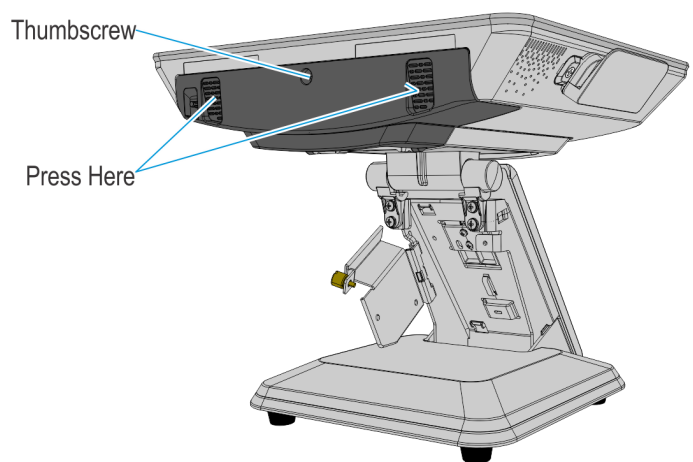


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4. Loosen the screw on the Terminal Cable Cover. To open, press down on the indentations in the Cable Cover to unlatch the cover and then pivot the cover open.

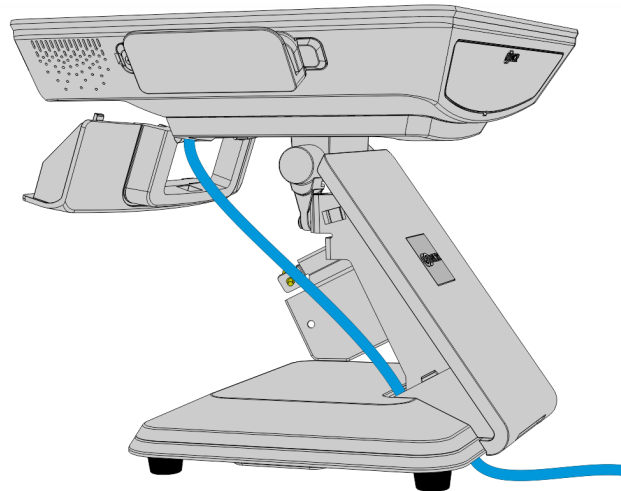


Note: Ensure that the screw is disengaged from the threads.



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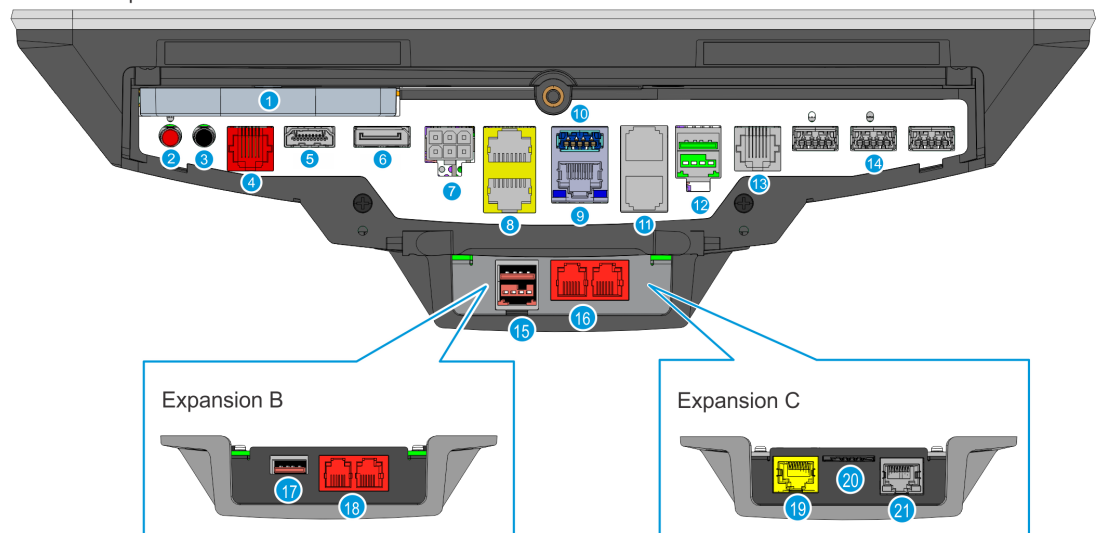
5. Route the cables up through the stand and out of the Terminal Cable Cover.



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6. Connect the peripheral cables to the I/O Panel.

POS with Expansion A



1 – Removable SSD
 2 – Power Button
 3 – Recovery Button
 4 – RJ12 Cash Drawer
 5 – HDMI
 6 – Display Port
 7 – Power In

8 – RJ45 Serial Ports (2)
 9 – Ethernet Port
 10 – USB 3.0
 11 – RJ11 Serial Ports (2)
 12 – 12V Powered USB
 13 – RJ12 Serial Port
 14 – USB 3.0 (3)

15 – 24V Powered USB
 16 – RJ12 Serial Ports (2)
 17 – 5V USB
 18 – RJ12 Serial Ports (2)
 19 – RJ45 Serial Port
 20 – SIM Card Reader*
 21 – RJ45 Power Over Ethernet PSE

61029



Note: SIM cards must be inserted while the terminal is powered off.

7. Install the Terminal Cable Cover and tighten thumbscrew to secure cover.
8. Close the Cable Door and tighten thumbscrew to secure cable door.
9. Install the Upper Stand Cover.

Connecting AC Power

1. Connect the Power Supply cable to the DC Power connector on the terminal.
2. Connect the AC Power Cord to the Power Supply and to an AC outlet.

Disconnecting the Power Cable

The Power Cable connector locks into position when connected to the terminal and cannot be removed by simply pulling on the cable. To remove it you must slide the outside housing out from the terminal to unlock it and then pull it out of the terminal connector.

Connecting to a Network

Most business configurations require you to connect your P1235 system to a network. Connecting to a network enables you to communicate with other systems and devices also on the network, and depending on your business' configuration, may allow you to connect to the Internet.

To connect the P1235 terminal to a network, plug the 10/100/1000 Ethernet cable into the port labeled NETWORK on the bottom panel. The other end of the 10/100/1000 Ethernet cable should be connected into your network hub.



Note: You may need to consult with your business' IT (information technology) representative to determine whether you have a network connection available, and to locate the network hub to connect to your P1235.

Starting Up the P1235 Terminal

In order to run your operating system and access your software and data, you must start up the P1235 platform. To start up the P1235, complete the following procedure:

1. Simply plug the power cord into an electrical outlet. The system automatically turns on once plugged into the outlet.

The system installs the system devices, system settings, and then reboots to continue setup. Complete the System Setup. This varies from OS to OS but the following is typical.

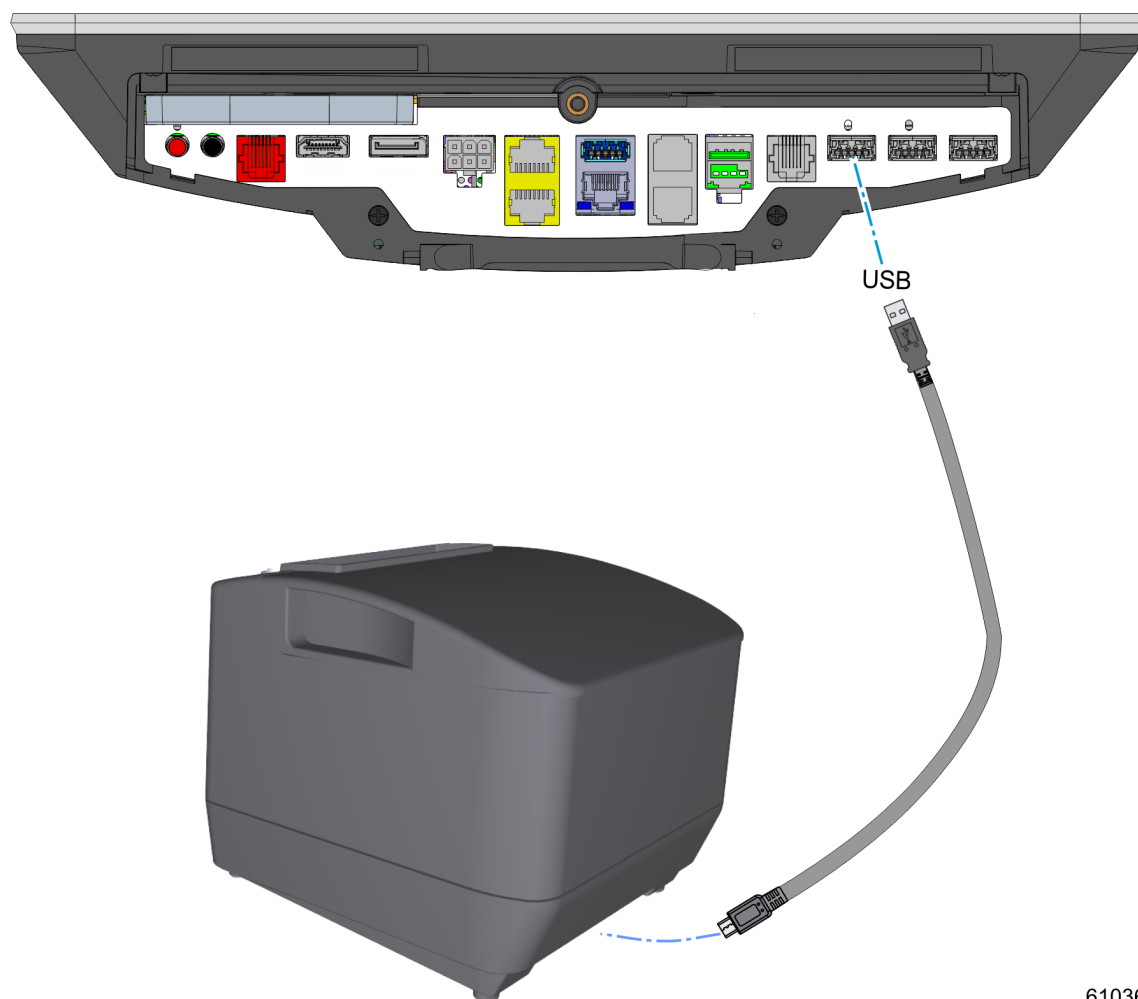
2. The initial setup procedures are performed.
 - Starting Windows
 - Preparing the computer for the first time
 - Checking video performance
3. Accept the **License Terms**.



Note: Depending on your installed operating system and your selected settings, your system will vary in the amount of time it takes to boot up.

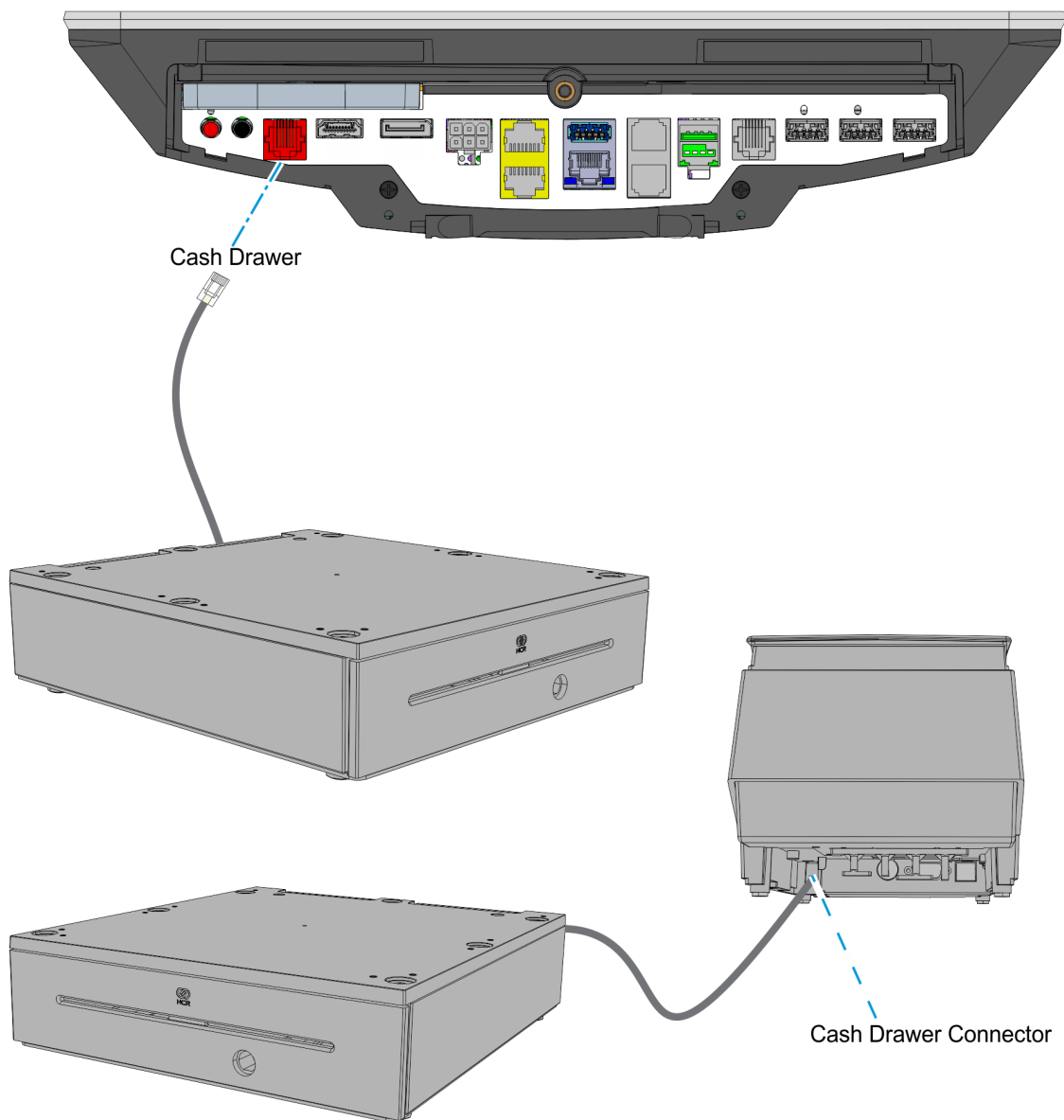
Installing a Transaction Printer

Connect the printer to the USB port on the terminal.



Installing a Cash Drawer

The Cash Drawer can be connected to the Cash Drawer connector or to the transaction printer.



Second Cash Drawer Cable Connection

The terminal supports a 2-drawer configuration with a Dual Cash Drawer Cable. Connect this cable to the terminal or transaction printer cash drawer connector.

There are two versions of the Dual Cash Drawer Cable:

- 1432-C516-0009 (24 V)
- 1432-C517-0009 (12 V)



Note: When connecting a single 12 V legacy cash drawer, the 1432-C517-0009 cable is required to be used.



Caution: The two cables look very similar. Make sure you use the correct one. Connecting the wrong cable can cause system damage.

Installing the Power Supply

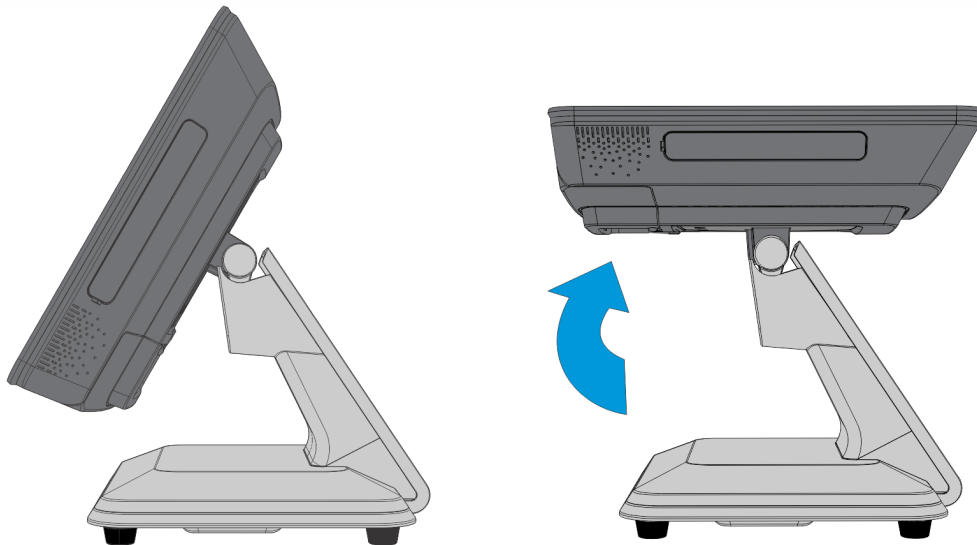
If a power supply is not installed in the base of the P1235 terminal, install a 19 V power supply.



Caution: The P1235 terminal requires the NCR 19 V or 24 V power supply that is shipped with the terminal. Use of other power supply may cause damage to the unit. Do not connect or disconnect the 19 V or 24 V Power Cable from the terminal with the AC Power Cord still connected to an AC outlet.

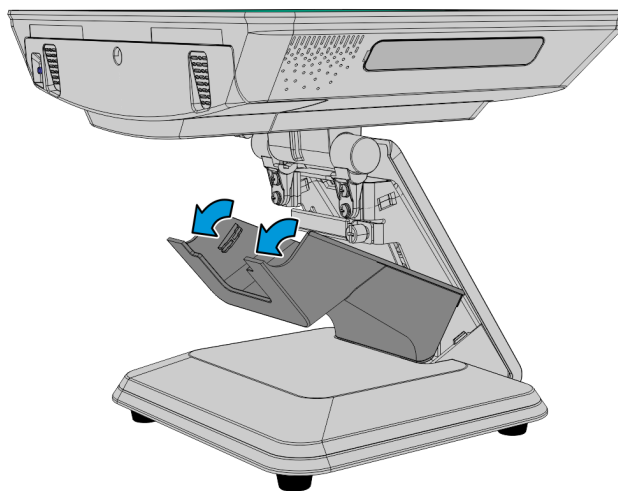
To install the 19 V power supply, perform the following procedure:

1. Pivot the display toward the back.



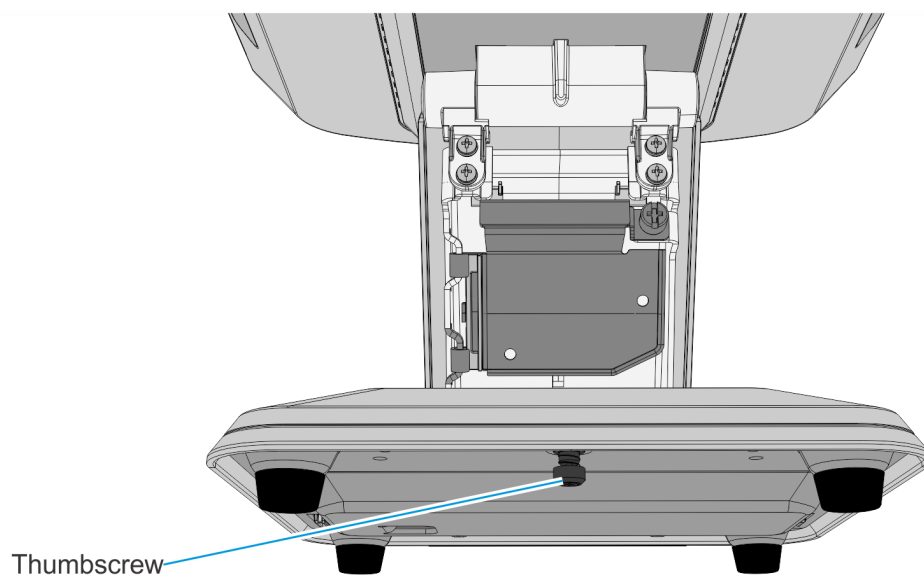
61031

2. Remove the Upper Stand Cover by pivoting it away from the stand. The cover has a simple snap fit connection at the top.



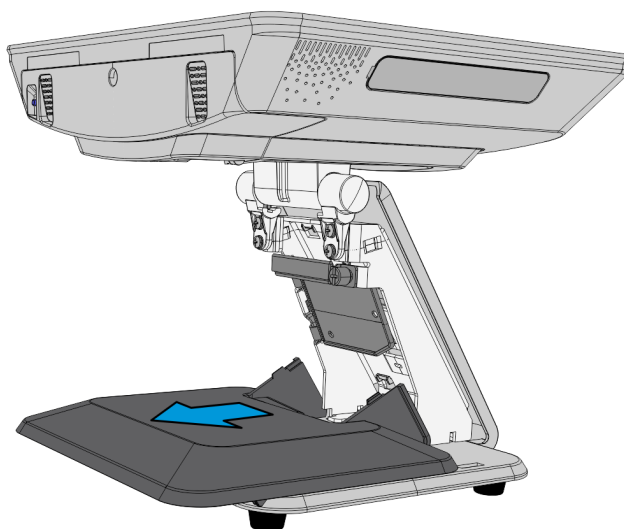
61032

3. Loosen the Thumbscrew that secures the Base Cover.



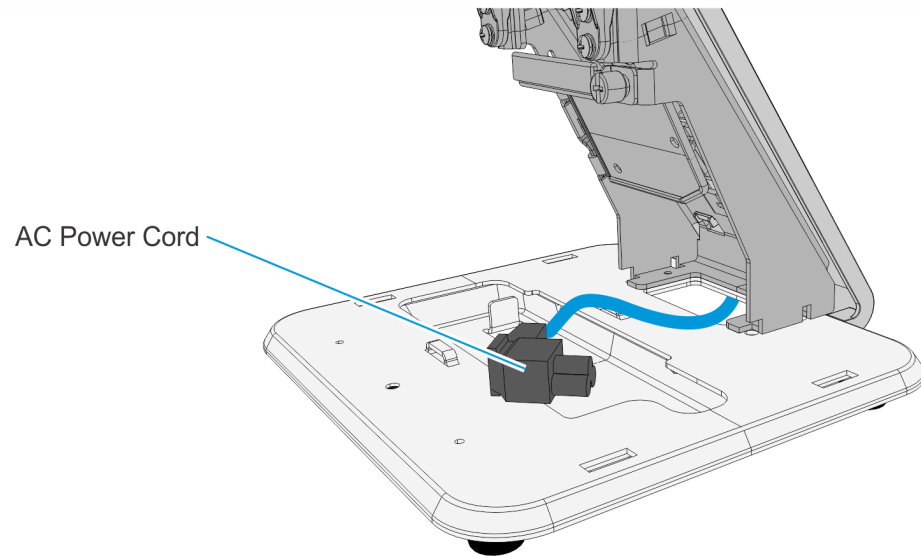
61037

4. Slide the Base Cover toward the front slightly to disengage it from the Base.



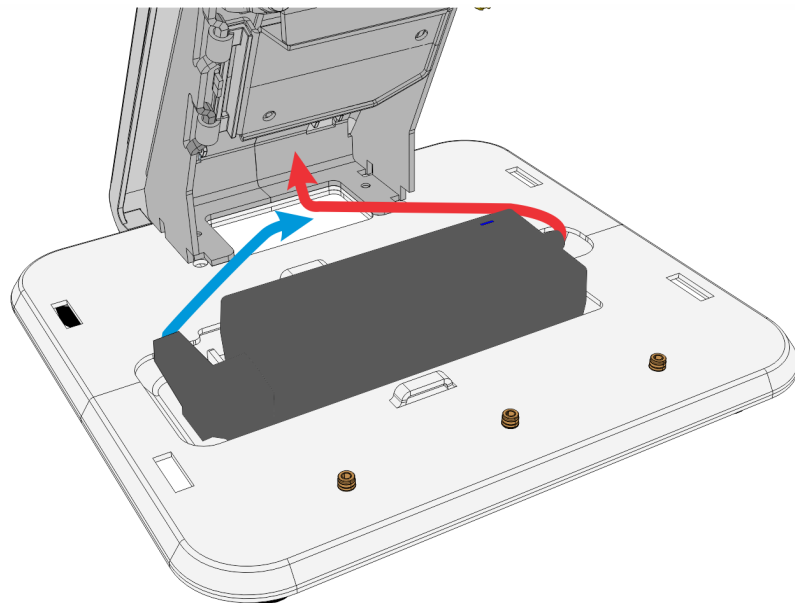
61038

5. Route the AC Power Cord up through the base of the stand.



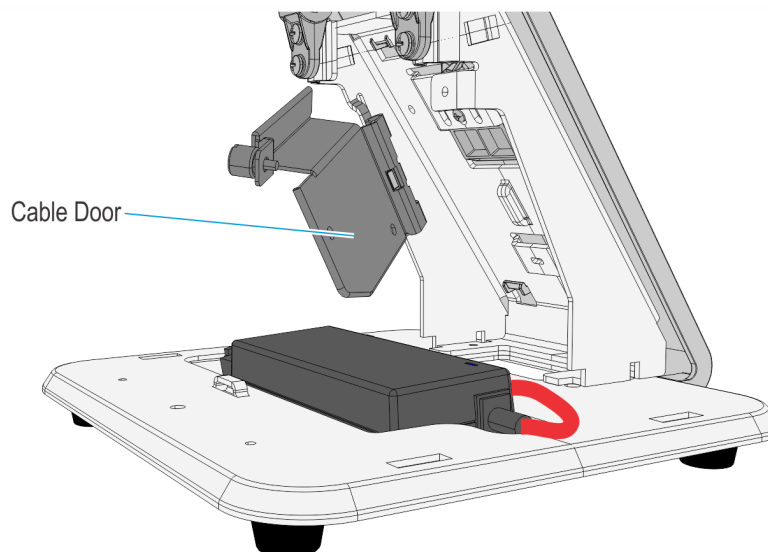
61039

6. Attach the Power Cord to the Power Brick.
7. Install the Power Brick in the Base.



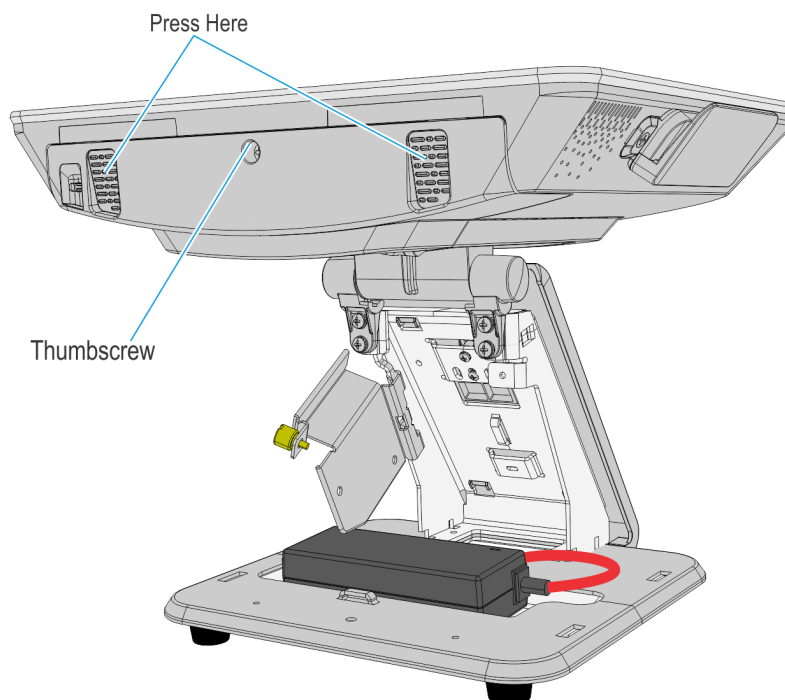
61041

8. Loosen the thumbscrew to open the Cable Door.



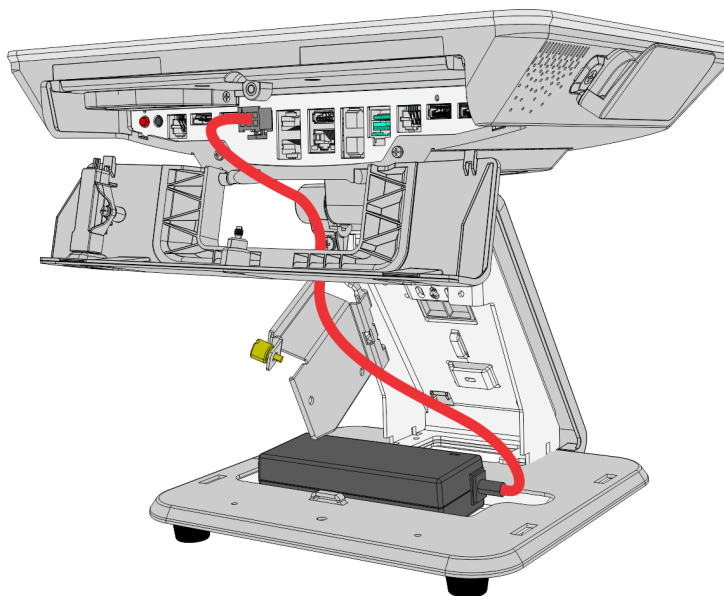
61042

9. Loosen the screw on the Terminal Cable Cover. To open, press the indentations on the Cable Cover to unlatch the cover then pivot to open.



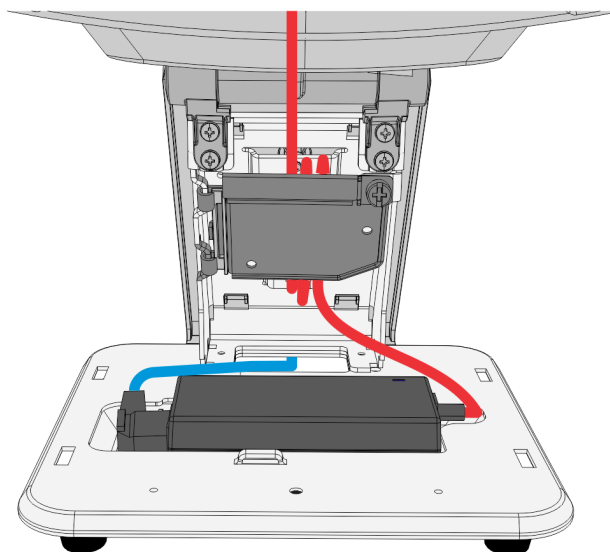
61040

10. Route the power cable up through the stand and connect the power supply cable to the **Power In** connector.



71352

11. Secure the excess power cables with a cable tie and place the cables behind the Cable Door.
12. Close the Cable Door and tighten the thumbscrew to secure the door.



61043

13. Reinstall the Base Cover and tighten thumbscrew to secure cover.
14. Connect the AC Power cord to an AC outlet.

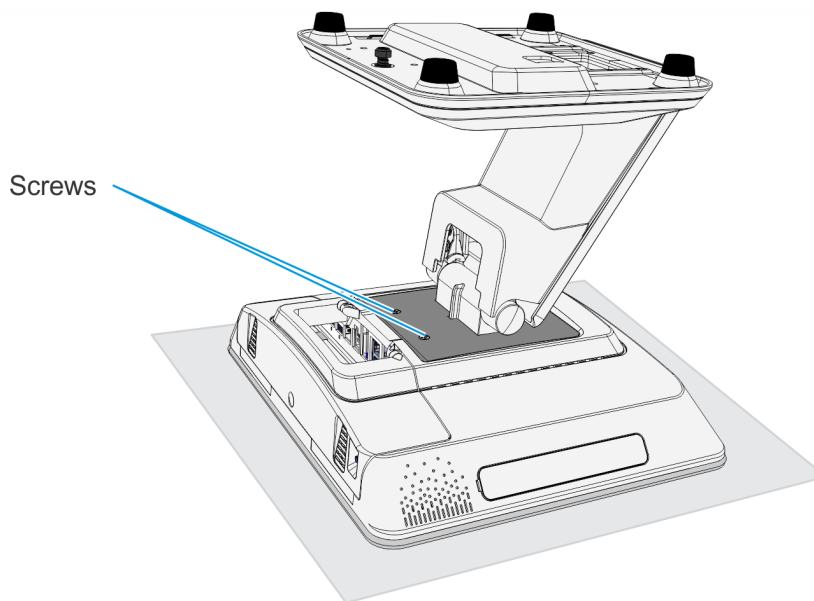
Removing Top Assembly

1. Lay the terminal face down on a flat surface.



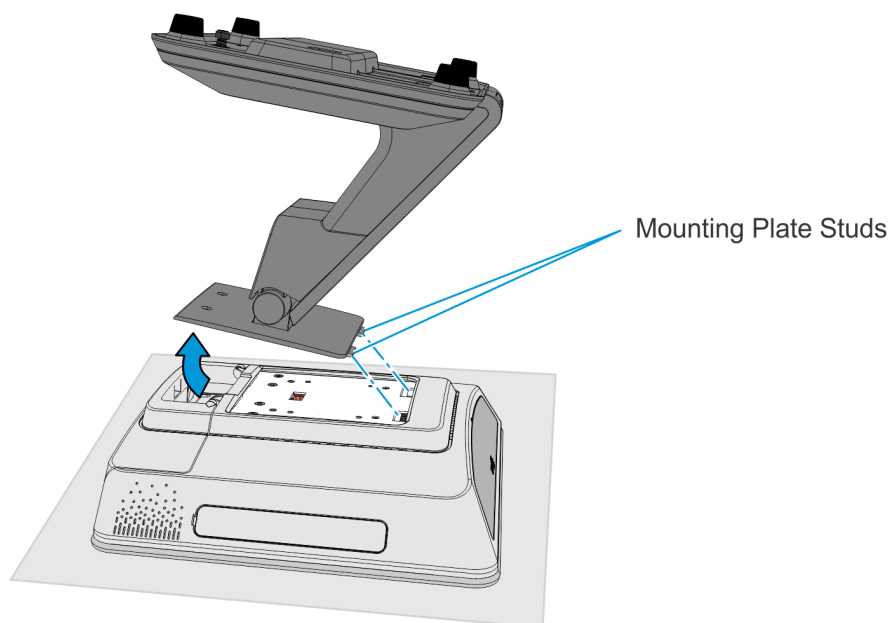
Caution: Always use a soft material (cloth, foam) to protect the display screen when placing the terminal face down.

2. Remove the screws (2) that secure the Base Stand to the display.



61044

3. Rotate the P-Series Stand and remove the Mounting Plate Tabs (2) from the openings in the Rear Cover.



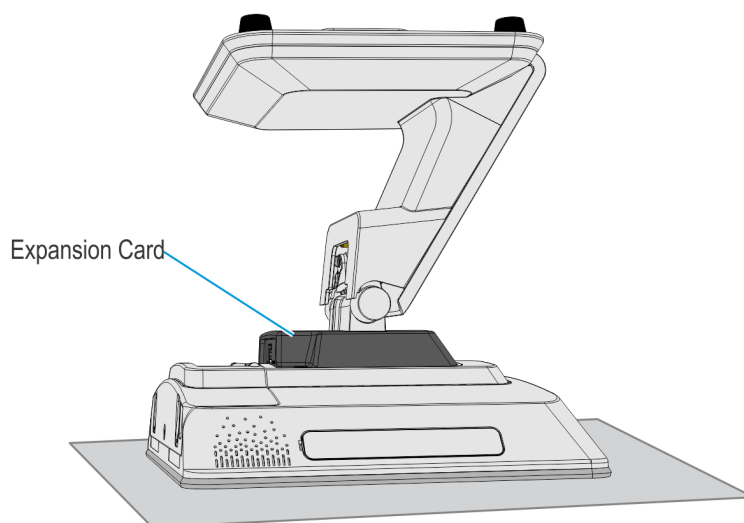
61045

Terminal with Expansion

1. Lay the terminal face down on a flat surface.

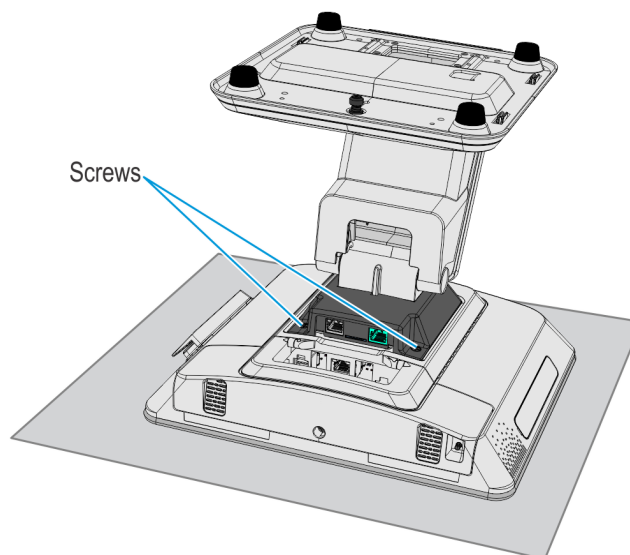


Caution: Always use a soft material (cloth, foam) to protect the display screen when placing the terminal face down.



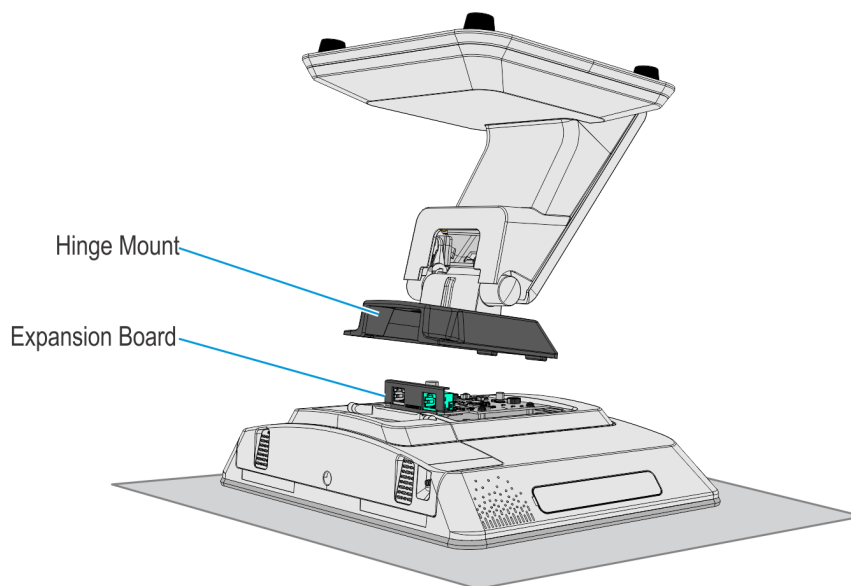
66087

2. Remove the screws (2) that secure the expansion to the display.



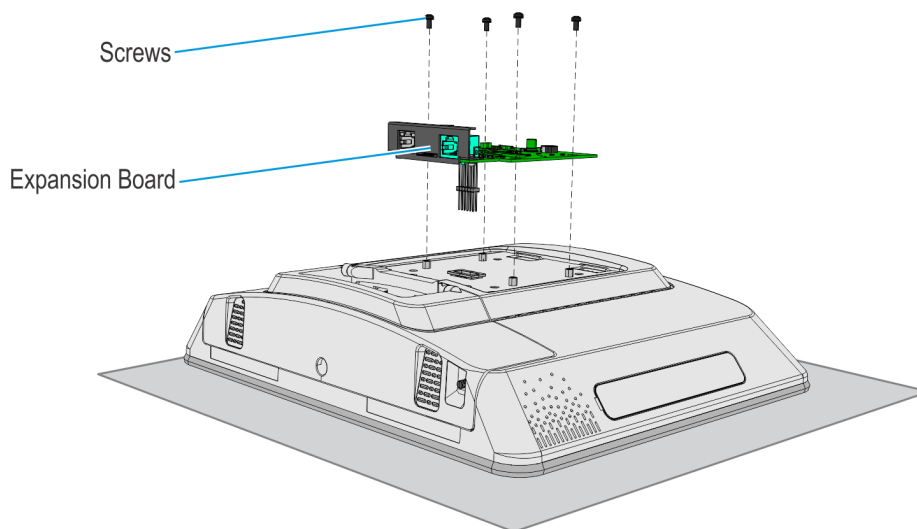
66088

3. Remove the stand and the Hinge Mount installed over the Expansion Board assembly.



66089

4. Remove the screws (4) that secure the Expansion Board assembly.

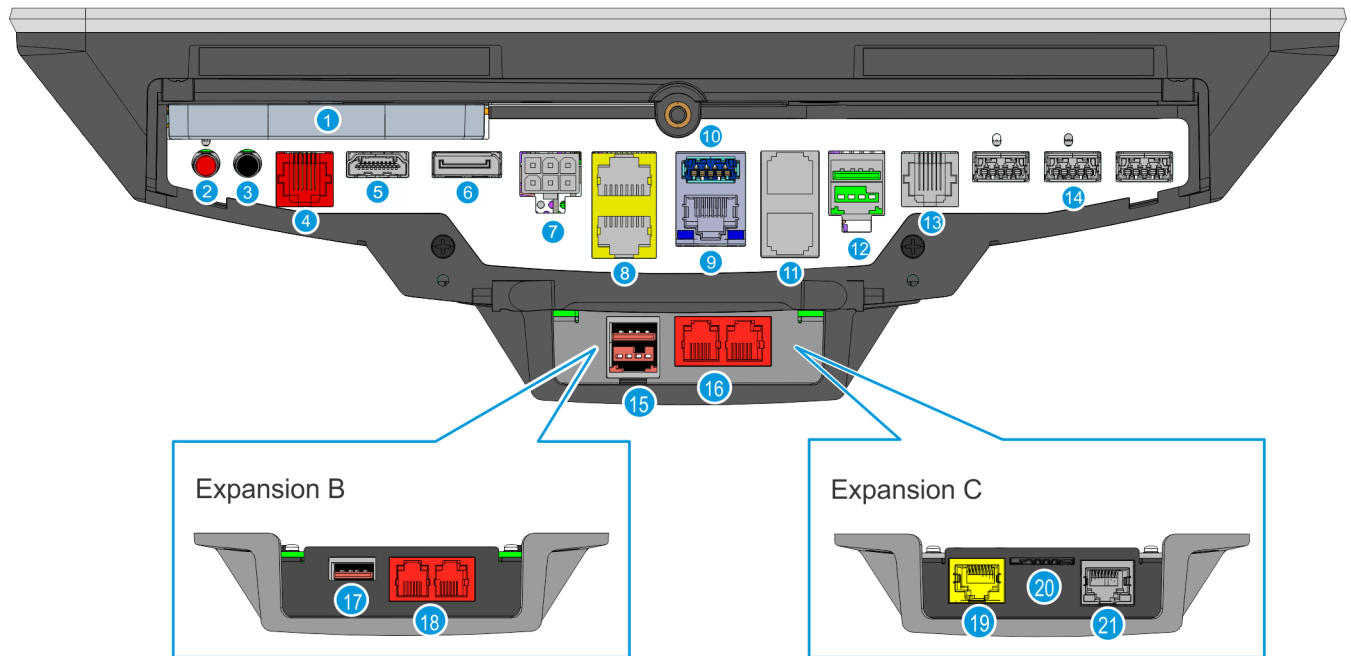


66090

Using External Connectors

In order to use the P1235 system to run your business' software, you can set up several peripheral components. The P1235 is compatible with standard PC equipment, including a USB mouse, USB keyboard, printer, speakers, network connectivity, as well as any other devices that can be supported by your operating system.

POS with Expansion A



1 – Removable SSD

2 – Power Button

3 – Recovery Button

4 – RJ12 Cash Drawer

5 – HDMI

6 – Display Port

7 – Power In

8 – RJ45 Serial Ports (2)

9 – Ethernet Port

10 – USB 3.0

11 – RJ11 Serial Ports (2)

12 – 12V Powered USB

13 – RJ12 Serial Port

14 – USB 3.0 (3)

15 – 24V Powered USB

16 – RJ12 Serial Ports (2)

17 – 5V USB

18 – RJ12 Serial Ports (2)

19 – RJ45 Serial Port

20 – SIM Card Reader*

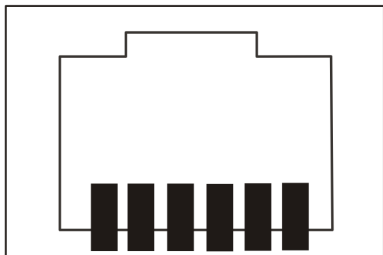
21 – RJ45 Power Over Ethernet PSE



Note: SIM cards must be inserted while the terminal is powered off.

RJ12 Serial Port

The RJ12 serial port is a 6-pin RJ12 connector. Each RJ12 port is capable of supplying 12V at 500mA max.

Pin Diagram	Pin	Signal Name
<p>*FRONT VIEW</p>  <p>6 5 4 3 2 1</p> <p><small>*Front view looking into the connector.</small></p>	1	POWER/RTS
	2	GND
	3	TX
	4	RX
	5	GND
	6	CTS

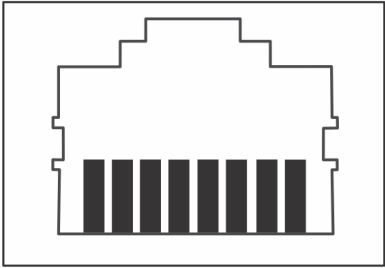
RJ12 Adapter Kits

If a peripheral device requires a different connector to connect to the P1535 POS terminal serial RJ12 connector, order the following adapter kits:

RJ12 Adapter Kits	
1639-K159	DB9M to RJ12 Adaptor (CN100381)
1639-K072	6 ft RJ12 cable (CB10548)
1639-K401	RJ12M to RJ45F Remote Serial Printer Converter Dongle

RJ45 Serial Port

The RJ45 port is an 8-pin modular jack connector. Maximum power capability is 0.5A on the 12V/RTS pin and 0.5A on the 5V/DTR pin from this port. The power output from this port is protected by a current-limiting power switch.

Pin Diagram	Pin	Signal Name
<div><p>*FRONT VIEW</p><p>8 7 6 5 4 3 2 1</p><p><i>*Front view looking into the connector.</i></p></div>	1	DSR
	2	DCD
	3	DTR/5V
	4	GND
	5	RXD
	6	TXD
	7	CTS
	8	RTS/12V

RJ45 Adapter Kits

If a peripheral device requires a different connector to connect to the P1535 POS terminal serial RJ45 connector, order the following adapter kits:

RJ45 Adapter Kits	
1639-K332	RJ45 to DB25 Adapter Cable 1.85m
1639-K333	RJ45 to DB9 Adapter Cable 1.85m
1639-K400	RJ45 to HSR RJ12 Serial Coverter Dongle
1639-K410	RJ45M to RJ45F Remote Serial Printer Converter Dongle

LAN

The 7761 Motherboard provides 10/100/1000 Base T Ethernet support using Realtek RTL8111F controller. The 7761 Motherboard supports Wake on LAN. The connector features an integrated magnetic module and 2 LEDs. The LED on the left is yellow and indicates Link/Activity at 1Gbit speed when lit/flashing. The LED on the right is green and indicates Link/Activity at 10/100Mbit speed when lit/flashing.

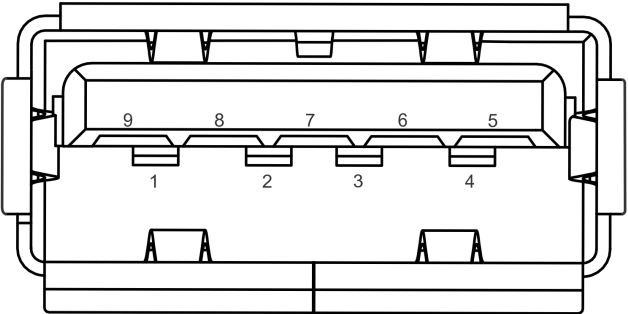
Pin	Signal Name
1	TD0+
2	TD0-
3	TD1+
4	TD1-
5	TD2+
6	TD2-
7	TD3+
8	TD3-
9	FRAME GND
10	FRAME GND

LAN Cable Kit

LAN Cable Kit	
1432-C046-0030	POS; 10/100/1000 CAT 5E Ethernet Cable (ANSI compliant); 8-wire

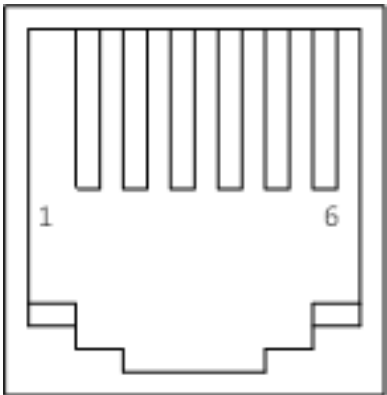
USB 3.0 Compliant Ports

The 7745 Motherboard provides 4 USB 3.0 compliant ports. Each USB port is capable of supplying 5V at 900mA max.

Pin Diagram	Pin	Signal Name
	1	VBUS
	2	D-
	3	D+
	4	GND
	5	StdA_SSRX-
	6	StdA_SSRX+
	7	GND_DRAIN
	8	StdA_SSTX-
	9	StdA_SSTX+
	Shell	Shield

Cash Drawer (CD) Port

A single 6-position RJ12 connector (Molex 44248-0065 or NCR approved equivalent) is used.

Pin Diagram	Pin	Signal Name
	1	LOGIC GND
	2	SOLENOID A
	3	OPEN/CLOSE STATUS
	4	+24V
	5	SOLENOID B
	6	POWER GND

Cash Drawer Cable Kits

The terminal supports a 2-drawer configuration with a Dual Cash Drawer Cable. Connect this cable to the terminal or transaction printer cash drawer connector.



Note: When connecting a single 12 V legacy cash drawer, the 1432-C517-0009 cable is required to be used.



Caution: The two cables look very similar. Make sure you use the correct one. Connecting the wrong cable can cause system damage.

Cash Drawer Cable Kits

1432-C516-0009 (24V)	24V Cash Drawer Cable Splitter
1432-C517-0009 (12V)	12V Cash Drawer Cable Splitter

Chapter 3: **Cleaning**

Cleaning the Touchscreen

Touchscreens can be effectively cleaned with diluted detergent or up to 70% isopropyl alcohol solution. Follow these steps to avoid damage to the touchscreen:



Warning: Do not use sharp objects to clean around the edges of the touchscreen. Do not use abrasive cleaners (powders) or abrasive cleaning materials (scrub brush, scouring pad).

1. Clean the screen using a non-abrasive cloth (microfiber cleaning cloth or cloth towel) and a diluted detergent solution, such as household soap and water.



Warning: Do not apply any cleaning products directly to the screen. Do not soak the cloth: wring it out before use.

2. Dry the screen with another soft cloth.
3. Clean the screen further using a cloth dampened with isopropyl alcohol solution, or using pre-packaged wipes.



Warning: Do not apply any cleaning products directly to the screen. Do not soak the cloth: wring it out before use.

4. Ensure the glass and screen edges are completely dry before using the unit.

Cleaning the Cabinet

1. Disconnect the unit from the power outlet before cleaning.
2. Wipe the cabinet using a non-abrasive cloth (microfiber cleaning cloth or cloth towel) dampened with soap and water solution.



Warning: Do not use alcohol (methyl, ethyl, or isopropyl) or any strong dissolvent. Do not use thinner or benzene, abrasive cleaners (powders), abrasive cleaning materials (scrub brush, scouring pad), or compressed air. Do not use any other types of cleaners such as vinegar, solvents, degreasers, or ammonia-based cleaners. These can damage the unit.



Warning: Avoid getting liquids inside the unit. If liquid does get inside, have a qualified service technician check it before you power it on again.

3. Wipe the cabinet using a clean and dry lint-free cloth.
4. Remove external dust around the cooling vents.

Appendix A: Product IDs

Product IDs	Description
7745-3100-0001	P1235 PCAP 40GB 4GB RAM WEPR7-32bit MSR
7745-3100-0002	P1235 PCAP 40GB 4GB RAM WEPR7-32bit MSR Int2x20
7745-3100-0003	P1235 PCAP 40GB 4GB RAM WEPR7-32bit MSR Int2x20 BIO
7745-3100-0004	P1235 PCAP 60GB 4GB RAM Win10E-64bit MSR
7745-3100-0005	P1235 PCAP 120GB 4GB RAM Win10E-64bit MSR
7745-3100-0006	P1235 PCAP 60GB 8GB RAM Win10E-64bit MSR
7745-3100-0007	P1235 PCAP 120GB 8GB RAM Win10E-64bit MSR
7745-3100-0008	P1235 PCAP 60GB 4GB RAM Win10E-64bit MSR Int2x20
7745-3100-0009	P1235 PCAP 120GB 4GB RAM Win10E-64bit MSR Int2x20
7745-3100-0010	P1235 PCAP 60GB 8GB RAM Win10E-64bit MSR Int2x20
7745-3100-0011	P1235 PCAP 120GB 8GB RAM Win10E-64bit MSR Int2x20
7745-3100-0012	P1235 PCAP 60GB 4GB RAM Win10E-64bit MSR BIO
7745-3100-0013	P1235 PCAP 120GB 8GB RAM Win10E-64bit MSR BIO
7745-3100-0014	P1235 PCAP 60GB 4GB RAM Win10E-64bit MSR Wifi
7745-3100-0015	P1235 PCAP 60GB 8GB RAM Win10E-64bit MSR Wifi
7745-3100-0016	P1235 PCAP 60GB 4GB RAM Win10E-64bit MSR BIO Wifi
7745-3100-0017	P1235 PCAP 60GB 8GB RAM Win10E-64bit MSR BIO Wifi
7745-3100-0018	P1235 PCAP 60GB 4GB RAM Win10E-64bit MSR Ext2x20
7745-3100-0019	P1235 PCAP 60GB 4GB RAM Win10E-64bit MSR XD10
7745-3100-0020	P1235 PCAP 120GB 4GB RAM Win10E-64bit MSR XD10
7745-3100-0021	P1235 PCAP 120GB 8GB RAM Win10E-64bit MSR XD10
7745-3100-0022	P1235 PCAP 60GB 4GB RAM Win10E-64bit MSR XD10 BIO
7745-3100-0023	P1235 PCAP 60GB 4GB RAM Win10E-64bit MSR Int2x20 BIO
7745-3100-0024	P1235 PCAP 120GB 4GB RAM Win10E-64bit MSR Int2x20 BIO

Product IDs	Description
7745-3100-0025	P1235 PCAP 60GB 8GB RAM Win10E-64bit MSR Int2x20BIO
7745-3100-0026	P1235 PCAP 60GB 4GB RAM Win10E-64bit MSR XB
7745-3100-0027	P1235 PCAP 120GB 4GB RAM Win10E-64bit MSR XB
7745-3100-0028	P1235 PCAP 60GB 8GB RAM Win10E-64bit MSR XB
7745-3100-0029	P1235 PCAP 120GB 8GB RAM Win10E-64bit MSR XB
7745-3100-0030	P1235 PCAP 60GB 4GB RAM Win10E-64bit MBlank
7745-3100-0031	P1235 PCAP 60GB 4GB RAM Win10E-64bit MBlank Int2x20
7745-3100-0032	P1235 PCAP 60GB 4GB RAM Win10E-64bit MBlank BIO
7745-3100-0033	P1235 PCAP 60GB 4GB RAM Win10E-64bit MBlank Int2x20 BIO
7745-3100-0034	P1235 PCAP 60GB 4GB RAM Win10E-64bit MSR Int2x20 SC
7745-3100-0035	P1235 PCAP 60GB 4GB RAM Win10E-64bit MSR RJ12
7745-3100-0068	P1235 PCAP 40GB 4GB RAM WEPR7-32bit MSR XD10 BIO/SC
7745-3100-0069	P1235 PCAP 60GB 4GB RAM WEPR7-32bit MBlank BIO XB
7745-3100-0070	P1235 PCAP 60GB 4GB RAM Win10E-64bit MBlank BIO XB
7745-3100-0071	P1235 PCAP 40GB 4GB RAM WEPR7-32bit MSR XD10 BIO/UV
7745-3100-0072	P1235 PCAP 40GB 4GB RAM WEPR7-32bit MSR BIO/UV
7745-3100-0073	P1235 PCAP 40GB 4GB RAM WEPR7-32bit MSR XD10 UV
7745-3100-0074	P1235 PCAP 40GB 4GB RAM WEPR7-32bit MSR XD10 BIO/UV UK Cord
7745-3100-0075	P1235 PCAP 40GB 4GB RAM WEPR7-32bit MSR BIO/UV UK Cord
7745-3100-0076	P1235 PCAP 40GB 4GB RAM WEPR7-32bit MSR XD10 UV UK Cord
7745-3100-0077	P1235 PCAP 40GB 4GB RAM WEPR7-32bit MSR XD10 BIO/UV No Cord
7745-3100-0078	P1235 PCAP 40GB 4GB RAM WEPR7-32bit MSR BIO/UV No Cord
7745-3100-0079	P1235 PCAP 40GB 4GB RAM WEPR7-32bit MSR XD10 UV No Cord
7745-3100-0080	P1235 PCAP 60GB 4GB RAM POSready7-64bit MBlank
7745-3100-0081	P1235 PCAP 60GB 4GB RAM Win10E-64bit MSR XT10
7745-3100-0082	P1235 PCAP 120GB 4GB RAM Win10E-64bit MSR XT10
7745-3100-0083	P1235 PCAP 120GB 8GB RAM Win10E-64bit MSR XT10
7745-3100-0084	P1235 PCAP 60GB 4GB RAM Win10E-64bit MSR XT10 BIO
7745-3100-0085	P1235 PCAP 40GB 4GB RAM WEPR7-32bit MSR XT10 BIO/SC

Product IDs	Description
7745-3100-0085	P1235 PCAP 40GB 4GB RAM WEPR7-32bit MSR XT10 BIO/SC
7745-3100-0086	P1235 PCAP 40GB 4GB RAM WEPR7-32bit MSR XT10 BIO/UV
7745-3100-0087	P1235 PCAP 40GB 4GB RAM WEPR7-32bit MSR XT10 UV
7745-3100-0088	P1235 PCAP 40GB 4GB RAM WEPR7-32bit MSR XT10 BIO/UV UK Cord
7745-3100-0089	P1235 PCAP 40GB 4GB RAM WEPR7-32bit MSR XT10 UV UK Cord
7745-3100-0090	P1235 PCAP 40GB 4GB RAM WEPR7-32bit MSR XT10 BIO/UV No Cord
7745-3100-0091	P1235 PCAP 40GB 4GB RAM WEPR7-32bit MSR XT10 UV No Cord
7745-3100-0092	P1235 PCAP 40GB 4GB RAM WEPR7-32bit MSR No Cord
7745-3100-0093	P1235 PCAP 40GB 4GB RAM WEPR7-32bit MSR Int2x20 No Cord
7745-3100-0094	P1235 PCAP 40GB 4GB RAM WEPR7-32bit MSR Int2x20 BIO No Cord
7745-3100-0095	P1235 PCAP 60GB 4GB RAM Win10E-64bit MSR No Cord
7745-3100-0096	P1235 PCAP 120GB 4GB RAM Win10E-64bit MSR No Cord
7745-3100-0097	P1235 PCAP 60GB 8GB RAM Win10E-64bit MSR No Cord
7745-3100-0098	P1235 PCAP 120GB 8GB RAM Win10E-64bit MSR No Cord
7745-3100-0099	P1235 PCAP 60GB 4GB RAM Win10E-64bit MSR Int2x20 No Cord
7745-3100-0100	P1235 PCAP 120GB 4GB RAM Win10E-64bit MSR Int2x20 No Cord
7745-3100-0101	P1235 PCAP 60GB 8GB RAM Win10E-64bit MSR Int2x20 No Cord
7745-3100-0102	P1235 PCAP 120GB 8GB RAM Win10E-64bit MSR Int2x20 No Cord
7745-3100-0103	P1235 PCAP 60GB 4GB RAM Win10E-64bit MSR BIO No Cord
7745-3100-0104	P1235 PCAP 120GB 8GB RAM Win10E-64bit MSR BIO No Cord
7745-3100-0105	P1235 PCAP 60GB 4GB RAM Win10E-64bit MSR Wifi No Cord
7745-3100-0106	P1235 PCAP 60GB 8GB RAM Win10E-64bit MSR Wifi No Cord
7745-3100-0107	P1235 PCAP 60GB 4GB RAM Win10E-64bit MSR BIO Wifi No Cord
7745-3100-0108	P1235 PCAP 60GB 8GB RAM Win10E-64bit MSR BIO Wifi No Cord
7745-3100-0109	P1235 PCAP 60GB 4GB RAM Win10E-64bit MSR Ext2x20 No Cord
7745-3100-0110	P1235 PCAP 60GB 4GB RAM Win10E-64bit MSR Int2x20 BIO No Cord
7745-3100-0111	P1235 PCAP 120GB 4GB RAM Win10E-64bit MSR Int2x20 BIO No Cord
7745-3100-0112	P1235 PCAP 60GB 8GB RAM Win10E-64bit MSR Int2x20 BIO No Cord
7745-3100-0113	P1235 PCAP 60GB 4GB RAM Win10E-64bit MSR XB No Cord

Product IDs	Description
7745-3100-0114	P1235 PCAP 120GB 4GB RAM Win10E-64bit MSR XB No Cord
7745-3100-0115	P1235 PCAP 60GB 8GB RAM Win10E-64bit MSR XB No Cord
7745-3100-0116	P1235 PCAP 120GB 8GB RAM Win10E-64bit MSR XB No Cord
7745-3100-0117	P1235 PCAP 60GB 4GB RAM Win10E-64bit MBlank No Cord
7745-3100-0118	P1235 PCAP 60GB 4GB RAM Win10E-64bit MBlank Int2x20 No Cord
7745-3100-0119	P1235 PCAP 60GB 4GB RAM Win10E-64bit MBlank BIO No Cord
7745-3100-0120	P1235 PCAP 60GB 4GB RAM Win10E-64bit MBlank Int2x20 BIO No Cord
7745-3100-0121	P1235 PCAP 60GB 4GB RAM Win10E-64bit MSR Int2x20 SC No Cord
7745-3100-0122	P1235 PCAP 60GB 4GB RAM Win10E-64bit MSR RJ12 No Cord
7745-3100-0123	P1235 PCAP 60GB 4GB RAM WEPR7-32bit MBlank BIO XB No Cord
7745-3100-0124	P1235 PCAP 60GB 4GB RAM Win10E-64bit MBlank BIO XB No Cord
7745-3100-0125	P1235 PCAP 60GB 4GB RAM Win10E-64bit MSR XD10 No Cord
7745-3100-0126	P1235 PCAP 120GB 4GB RAM Win10E-64bit MSR XD10 No Cord
7745-3100-0127	P1235 PCAP 120GB 8GB RAM Win10E-64bit MSR XD10 No Cord
7745-3100-0128	P1235 PCAP 60GB 4GB RAM Win10E-64bit MSR XD10 BIO No Cord
7745-3100-0129	P1235 PCAP 40GB 4GB RAM WEPR7-32bit MSR XD10 BIO/SC No Cord
7745-3100-0130	P1235 PCAP 60GB 4GB RAM WEPR7-32bit MBlank XB
7745-3100-0131	P1235 PCAP 60GB 4GB RAM Win10E-64bit MBlank XB
7745-3100-0132	P1235 PCAP 60GB 4GB RAM WEPR7-32bit MBlank BIO w/o BIOKEY XB
7745-3100-0133	P1235 PCAP 60GB 4GB RAM WEPR7-32bit MBlank BIO XB McDonalds
7745-3100-0134	P1235 PCAP 40GB 4GB RAM Android MSR
7745-3100-0135	P1235 PCAP 40GB 4GB RAM Android MSR Int2x20
7745-3100-0136	P1235 PCAP 40GB 4GB RAM Android MSR Ext2x20
7745-3100-0138	P1235 PCAP 60GB 8GB RAM WEPR7-64bit MSR BIO XB
7745-3100-0139	P1235 PCAP 60GB 8GB RAM WEPR7-64bit MSR XB
7745-3100-0140	P1235 PCAP 60GB 8GB RAM WEPR7-64bit MSR BIO
7745-3101-0036	P1235 PCAP 120GB 4GB RAM WEPR7-64bit 2n1 EU Cord
7745-3101-0037	P1235 PCAP 120GB 4GB RAM WEPR7-64bit MBlank EU Cord
7745-3101-0038	P1235 PCAP 60GB 4GB RAM WEPR7-64bit 2n1 EU Cord

Product IDs	Description
7745-3101-0039	P1235 PCAP 60GB 4GB RAM WEPR7-64bit 2n1 POE EU Cord
7745-3101-0040	P1235 PCAP 60GB 4GB RAM WEPR7-64bit MBlank EU Cord
7745-3101-0041	P1235 PCAP 60GB 4GB RAM WEPR7-64bit MBlank Int2x20 EU Cord
7745-3101-0042	P1235 PCAP 60GB 4GB RAM WEPR7-64bit MSR EU Cord
7745-3101-0043	P1235 PCAP 60GB 4GB RAM WEPR7-64bit MBlank XB EU Cord
7745-3101-0044	P1235 PCAP 60GB 4GB RAM WEPR7-64bit 2n1 XB EU Cord
7745-3101-0045	P1235 PCAP 60GB 4GB RAM WEPR7-64bit MBlank Int2x20 XB EU Cord
7745-3101-0046	P1235 PCAP 60GB 4GB RAM WEPR7-64bit MSR XB EU Cord
7745-3101-0047	P1235 PCAP 120GB 4GB RAM Win10E-64bit 2n1 EU Cord
7745-3101-0048	P1235 PCAP 120GB 4GB RAM Win10E-64bit MBlank EU Cord
7745-3101-0049	P1235 PCAP 60GB 4GB RAM Win10E-64bit 2n1 EU Cord
7745-3101-0050	P1235 PCAP 60GB 4GB RAM Win10E-64bit 2n1 POE EU Cord
7745-3101-0051	P1235 PCAP 60GB 4GB RAM Win10E-64bit MBlank EU Cord
7745-3101-0052	P1235 PCAP 60GB 4GB RAM Win10E-64bit MBlank Int2x20 EU Cord
7745-3101-0053	P1235 PCAP 60GB 4GB RAM Win10E-64bit MSR EU Cord
7745-3101-0054	P1235 PCAP 120GB 8GB RAM Win10E-64bit MBlank EU Cord
7745-3101-0055	P1235 PCAP 60GB 4GB RAM Win10E-64bit MBlank XB EU Cord
7745-3101-0056	P1235 PCAP 60GB 4GB RAM Win10E-64bit 2n1 XB EU Cord
7745-3101-0057	P1235 PCAP 60GB 4GB RAM Win10E-64bit MBlank Int2x20 XB EU Cord
7745-3101-0058	P1235 PCAP 60GB 4GB RAM Win10E-64bit MSR XB EU Cord
7745-3101-0059	P1235 PCAP 40GB 4GB RAM No OS 2n1 EU Cord
7745-3101-0060	P1235 PCAP 40GB 4GB RAM No OS 2n1 POE EU Cord
7745-3101-0061	P1235 PCAP 40GB 4GB RAM No OS MBlank EU Cord
7745-3101-0062	P1235 PCAP 40GB 4GB RAM No OS MBlank Int2x20 EU Cord
7745-3101-0063	P1235 PCAP 40GB 4GB RAM No OS MSR EU Cord
7745-3101-0064	P1235 PCAP 40GB 4GB RAM No OS MBlank XB EU Cord
7745-3101-0065	P1235 PCAP 40GB 4GB RAM No OS 2n1 XB EU Cord
7745-3101-0066	P1235 PCAP 40GB 4GB RAM No OS MBlank Int2x20 XB EU Cord
7745-3101-0067	P1235 PCAP 40GB 4GB RAM No OS MSR XB EU Cord

Product IDs	Description
7745-3500-0001	P1235 PCAP 40GB 4GB RAM WEPR7-32bit MSR Int2x20 RJ12 XT10 BIO/SC Cam Wifi
7745-3500-0002	P1235 PCAP 40GB 4GB RAM WEPR7-32bit MSR Int2x20 RJ12 XT10 BIO/SC Cam Wifi No Cord
7745-3500-8800	P1235 PCAP 40GB 4GB RAM WEPR7-32bit MSR Int2x20 RJ12 XD10 BIO/SC Cam Wifi
7745-3501-8800	P1235 PCAP 40GB 4GB RAM WEPR7-32bit MMSR Int2x20 PUSB BIO/UV Cam Wifi 150W
7745-3502-8800	P1235 PCAP 40GB 8GB RAM WEPR7-64bit 2n1 Int2x20 POE Ext2x20 BIO Cam Wifi
7745-3900-8800	Base Model Lead Unit PID for PCAP Touch
7745-8900-0000	Base Model Prebuilt PID - 7745 - 12in Integrated POS(WIP) with PCAP Touch
9700-0002-7761	POE + SIM + RJ45 Expansion, 7761/7745"
9700-0004-7761	External 2in1 SignIn Device for 7745/7761
9700-0005-7761	External Biometrics Reader with Biokey for 7745/7761
9700-0006-7761	External Biometrics Reader without Biokey for 7745/7761
9700-0007-7761	Biometrics with Biokey with Bottom Blank, 7761/7745"
9700-0008-7761	Biometrics with Biokey with 2D Scanner, 7761/7745"
9700-0009-7761	Biometrics with Biokey with UV Light, 7761/7745"
9700-9004-7761	NCR External 2in1 SignIn Device
9700-9005-7761	NCR External Biometrics Reader with Biokey
9700-9006-7761	NCR External Biometrics Reader without Biokey