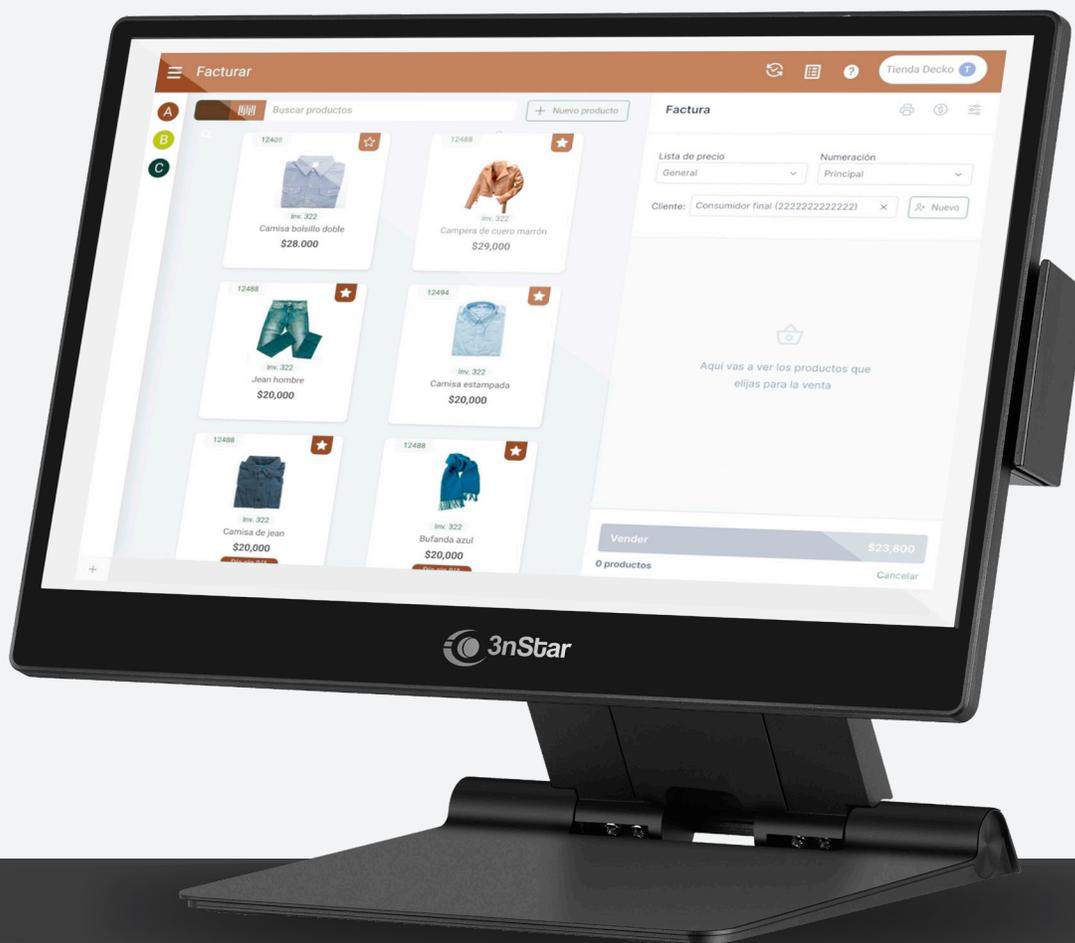


# P7

POS TERMINAL

**TECH MANUAL**



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## DISCLAIMER

Please be aware that the interface and appearance of the all-in-one shown in this picture may differ depending on the specific model you have purchased. For precise information regarding the transmission interface and appearance, we advise consulting the actual product or reaching out to your supplier directly.

## GETTING STARTED

Before setting up or performing maintenance on your 3nStar P7 Series POS terminal, please follow the steps below to ensure safe handling and prevent potential damage to the device or connected peripherals.

1. Place the POS terminal on a flat, stable, and clean surface (e.g., a sturdy table) to avoid damage to the LCD screen.
2. Prepare soft cushioning material (like a clean blanket) to protect the device during handling.
3. Close any open applications and shut down the operating system.
4. Turn off the POS terminal and any connected peripherals (e.g., receipt printer, customer display).
5. Disconnect all cables and external devices from the terminal.
6. Remove the power adapter from the terminal.
7. Unplug the power cable from the electrical outlet.

### IMPORTANT INFORMATION:

- There are no user-serviceable parts inside the POS terminal or its peripherals. Do not attempt to modify the unit or use non-certified accessories.
- Store any removed parts, cables, or screws safely for future use.
- For maintenance or replacement, contact your supplier or technical support to purchase certified parts and accessories.

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## PERIPHERALS DISASSEMBLY

### PERIPHERAL HANDLING AND DISASSEMBLY

Please refer to this manual for detailed instructions on how to install or disconnect peripherals. When disassembling your POS terminal, make sure to carefully remove and securely store any connected peripherals or optional devices.

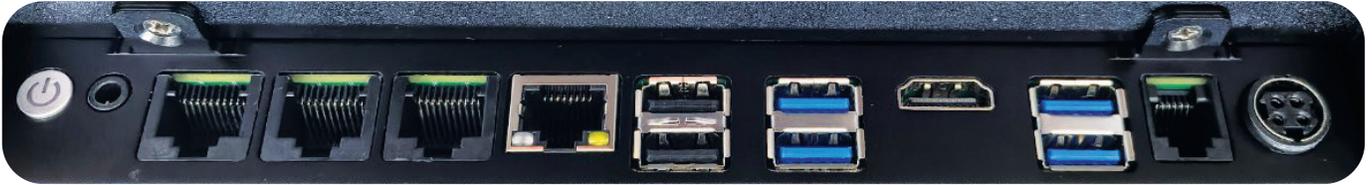
**NOTE:** Always power off the entire POS system and all connected devices before unplugging any cables from the I/O ports



## DISCONNECTING THE POS TERMINAL

1. Place the POS terminal on a stable, flat surface as shown in Figure 1.
2. Gently lift the POS unit and locate the I/O ports on the bottom of the device.
3. Carefully disconnect all cables connected to the bottom I/O ports as shown in Figure 3 and Figure 4.

**Figure 3** | (Bottom I/O Ports without power cable connected)



**Figure 4** | (Bottom I/O Ports without power cable connected)



## DISASSEMBLY SSD/RAM

### REMOVING THE TOUCH PANEL

Once the terminal has been safely powered off and disconnected, gently turn over the all-in-one unit. Using the appropriate screwdriver, begin removing the screws securing the touch panel to the base, as shown below. This section provides instructions in located and removing the Solid State Drive (SSD) and Modulation RAM.

#### NOTE:

- Always use the correct tools to avoid stripping the screws.
- If placing the screen face down, use a protective pad or soft surface to prevent damage to the touch panel.



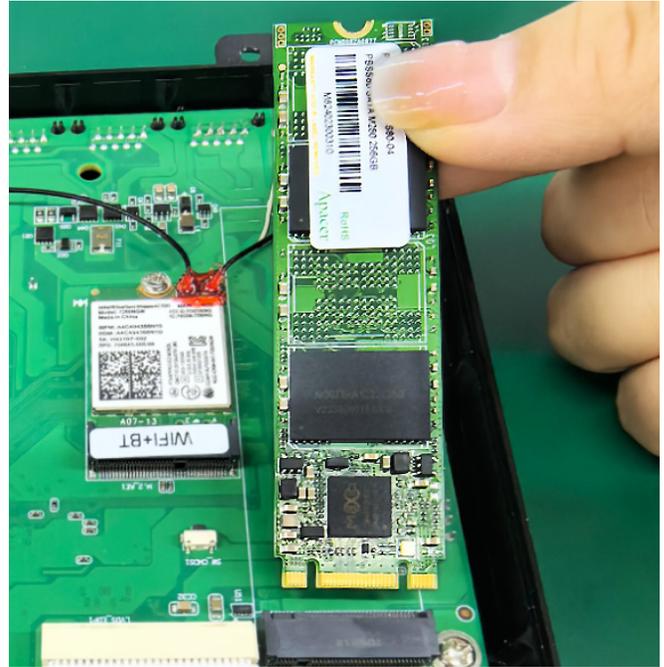
**Figure 1** | Remove these two screws from the back cover.



**Figure 2** | After removing the screws gently lift the modulator box.



**Figure 3.** Locate the SSD on the mainboard and remove the SSD by removing the screws



**Figure 4.** Once the screws is removed gently remove the SSD from the mainboard

## REPLACING OR REINSTALLING THE RAM MODULE

Insert the RAM module into the designated slot.

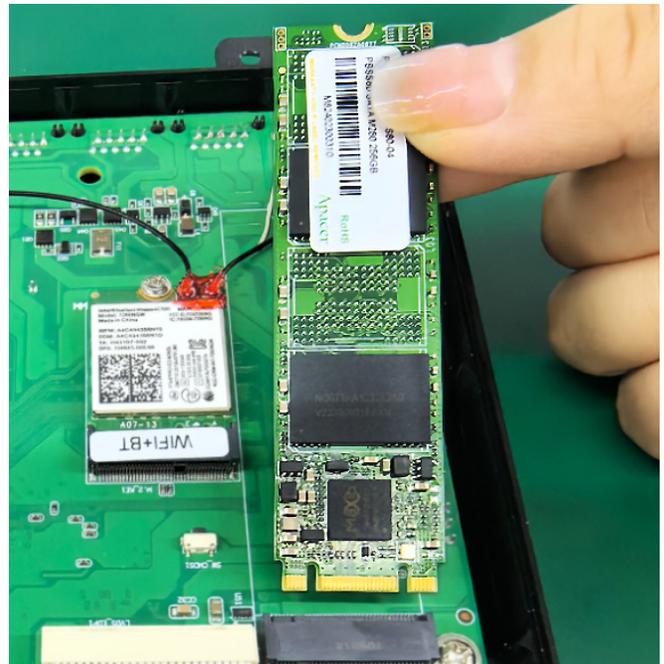
Gently press down until both latches click into place, securing the module firmly.

### NOTE:

If removing the RAM module, store it in a safe location for future use.



**Figure 5** | Locate the RAM on the mainboard.



**Figure 6** | Once you locate the RAM on the mainboard gently unclip the RAM from the mainboard as shown in the pictures.

## VFD DISPLAY ASSEMBLY

Before installing or handling the VFD customer display, please review the following steps and safety guidelines. Proper installation ensures reliable performance and helps prevent damage to the display or POS terminal.



**Figure 1** | Turn your device panel where the back panel is facing you. Remove the rear customer display cover from your P7 as shown in the photo above..



**Figure 2** | Gently lay down the main all-in-one touch screen. Then connect your rear customer display to main touch panel. Be sure to securely latch connector to the all-one-touch panel as loose cables can cause malfunctions in visual performance.



**Figure 3** | Once the rear display is connected to the mainboard of the touch panel, securely fasten it using the designated screw holes on the back of the device. Ensure all screws are tightened properly to prevent movement or damage.



**Figure 4** | The rear VFD display installation is now complete. This is how your device should appear once fully assembled.

## MAGNETIC STRIP READER INSTALLATION (MSR)

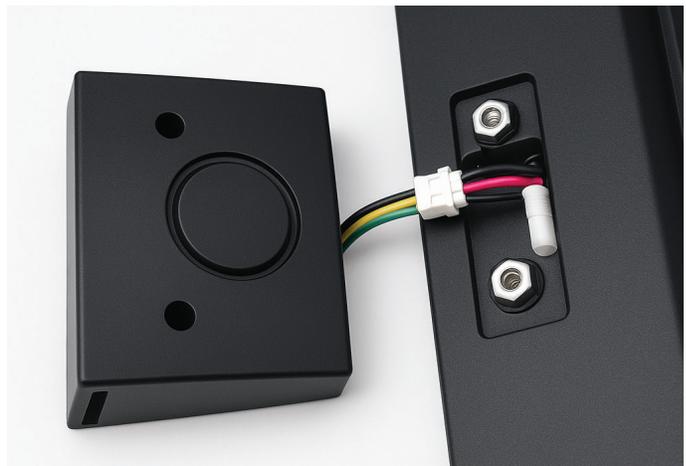
Before installing or handling the magnetic strip reader (MSR), please review the following steps and safety guidelines. Proper installation ensures reliable performance and helps prevent damage to the display or POS terminal.

### NOTE:

Always turn off the POS terminal before installing or removing the MSR to prevent electrical damage or miscommunication with the system.



**Figure 1** | Locate the MSR Housing and Cable Identify the MSR module and its attached cable with multi-colored wires (red, white, green, yellow, black). Ensure the module is positioned properly with the reader slot facing outward



**Figure 2** | Align the Connector On the back or side of the terminal (depending on your model), locate the dedicated MSR connector port. Align the MSR cable's connector to the matching port on the terminal's frame.



**Figure 3** | Secure the MSR to the Terminal Once connected, position the MSR module over the mounting area. Use the included screws to secure it firmly into place. Make sure the module sits flush against the terminal housing.



**Figure 4** | Check the Installation Double-check the cable is firmly connected and that the module is properly secured with screws. Avoid over-tightening.

## SCREEN AND REAR BOARD REPLACEMENT

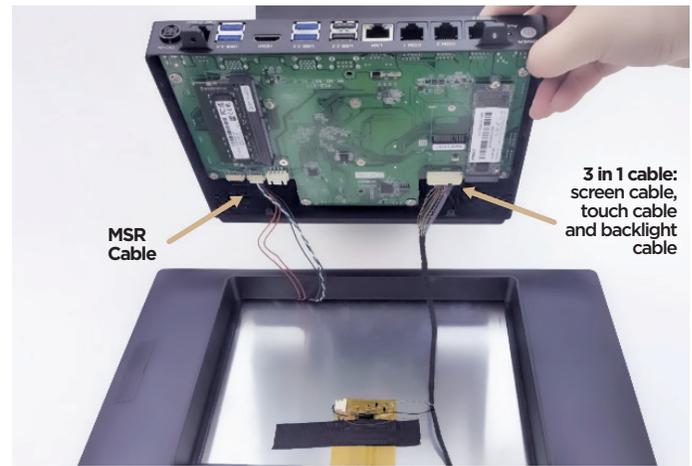
Before installing or removing the touch screen or modulation box, please review the following steps and safety guidelines. Proper installation ensures reliable performance and helps prevent damage to the display or POS terminal.

### NOTE:

Always turn off the POS terminal before installing or removing the MSR to prevent electrical damage or miscommunication with the system.



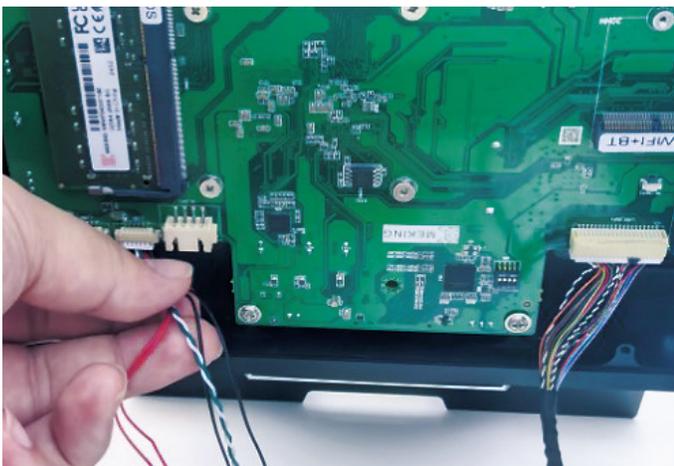
**Figure 1** | Use a screwdriver to remove the two screws located at the bottom of the system box.



**Figure 2** | Internal view of the POS terminal showing the MSR cable and MEKING three-in-one display connector

Once the screws are removed, carefully open the POS terminal. Inside, you'll see two cables:

- On the left is the pre-installed MSR cable, used for connecting the magnetic stripe reader.
- On the right is the MEKING customized cable, which combines the screen, touch, and backlight connections into a single three-in-one cable.



**Figure 3** | Carefully disconnect the two internal cables by pressing the release clips and gently pulling them out. Unplug the two cables as shown. The method for disconnecting them is the same as demonstrated in the pictures.

Once disconnected, the terminal separates into two parts:

- The system box (which houses the motherboard and ports)
- The screen module (which includes the display and touch panel)

This modular design allows you to easily swap or upgrade components as needed.

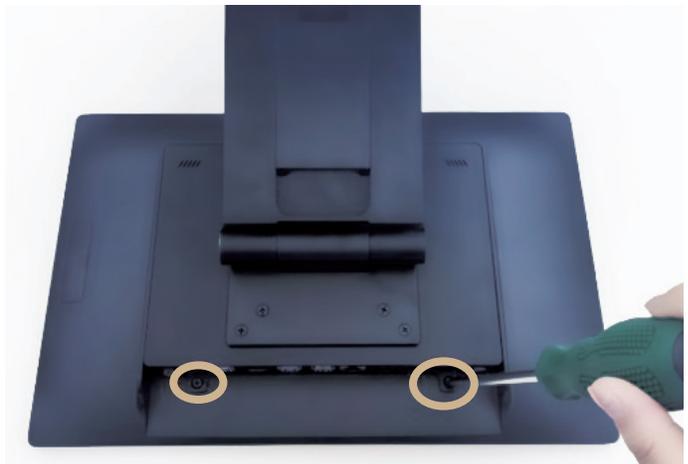


**Figure 4** | The POS terminal is now separated into its two main components: the system box (left) and the screen module (right).

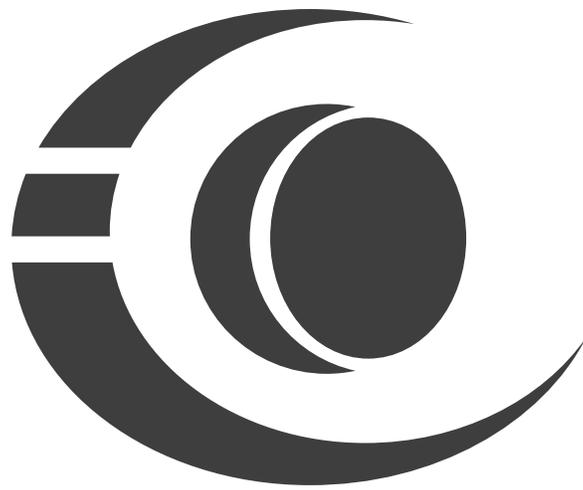
Reconnect the two internal cables, ensuring each one is securely plugged in. Once connected, carefully close the system box and reattach it to the terminal using the two screws.



**Figure 5** | Reconnect the internal cables and fasten the system box to the back of the terminal using the highlighted screw points.



**Figure 6** | The POS terminal is now powered on and ready for use. Finally, plug in the power supply and turn on the POS terminal to complete the setup.



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