



DRB XPT5 Retrofit for NXT — Step-by-Step Guide

Before you start

Parts

- ☐ Middleware PC
- ☐ PoE switch
- ☐ Power strip
- ☐ PAX IM30 CC reader
- ☐ New barcode scanner and mount
- ☐ HDMI cable (display module to middleware PC)
- ☐ USB A-to-B cable (display module to middleware PC)
- ☐ Serial-to-Molex cable (bill dispenser)
- ☐ Serial-to-USB cable (bill dispenser)
- ☐ Ethernet patch cables

Tools

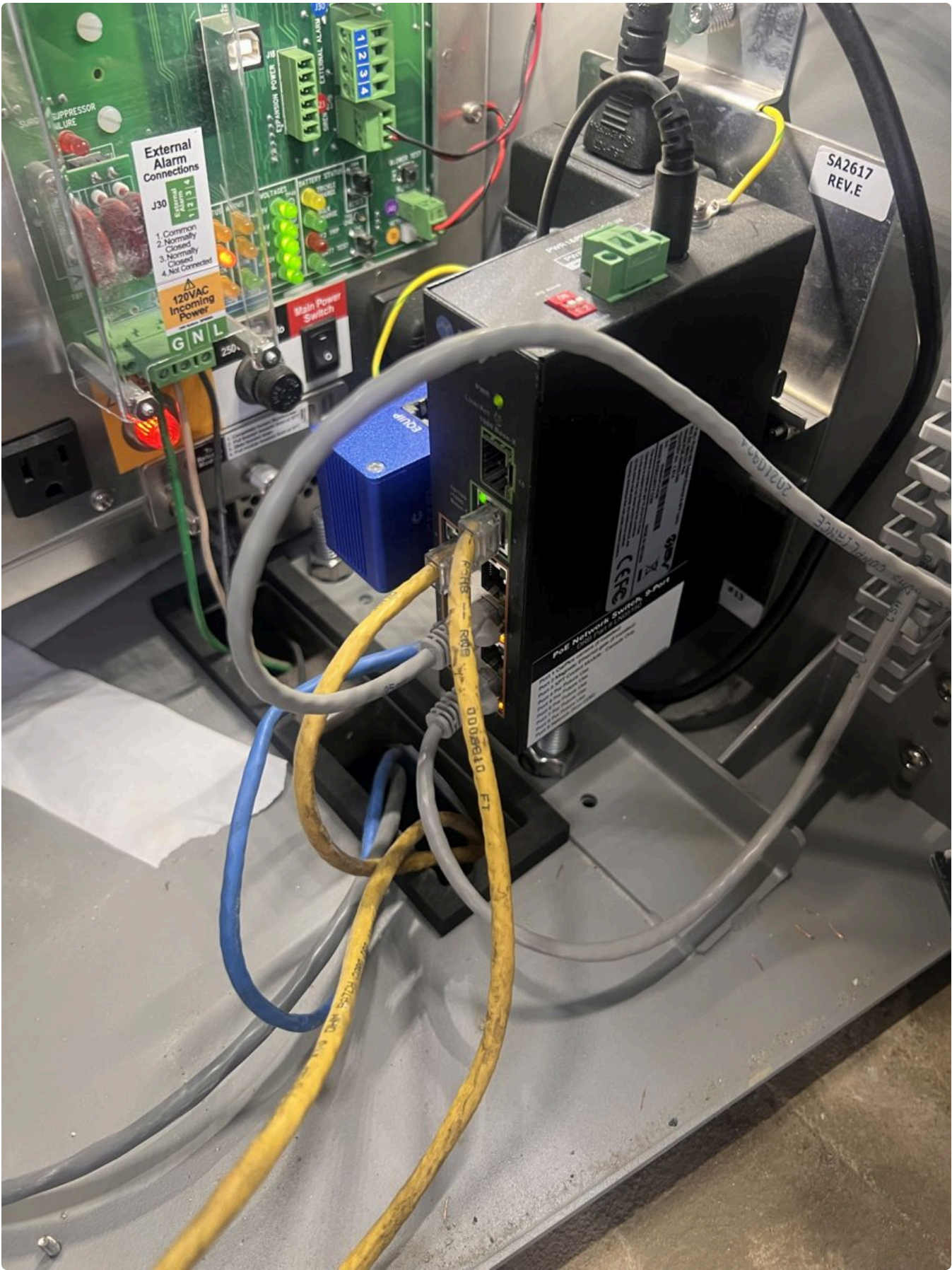
- ☐ XPT keys and crank
- ☐ Saw for cutting the metal frame and plastic fascia
- ☐ Screwdrivers and socket set
- ☐ Shop vac or brush for metal shavings

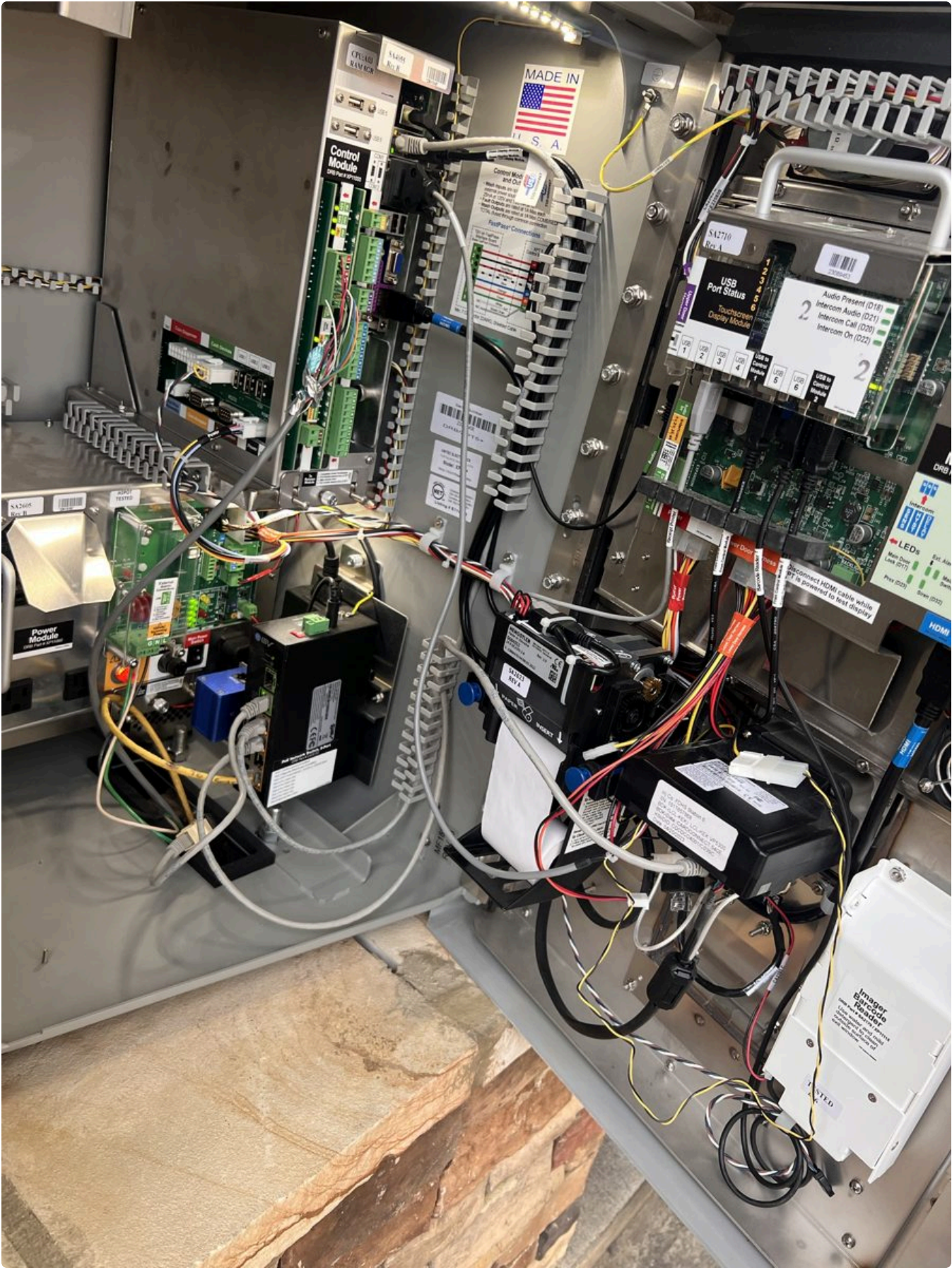
Cautions

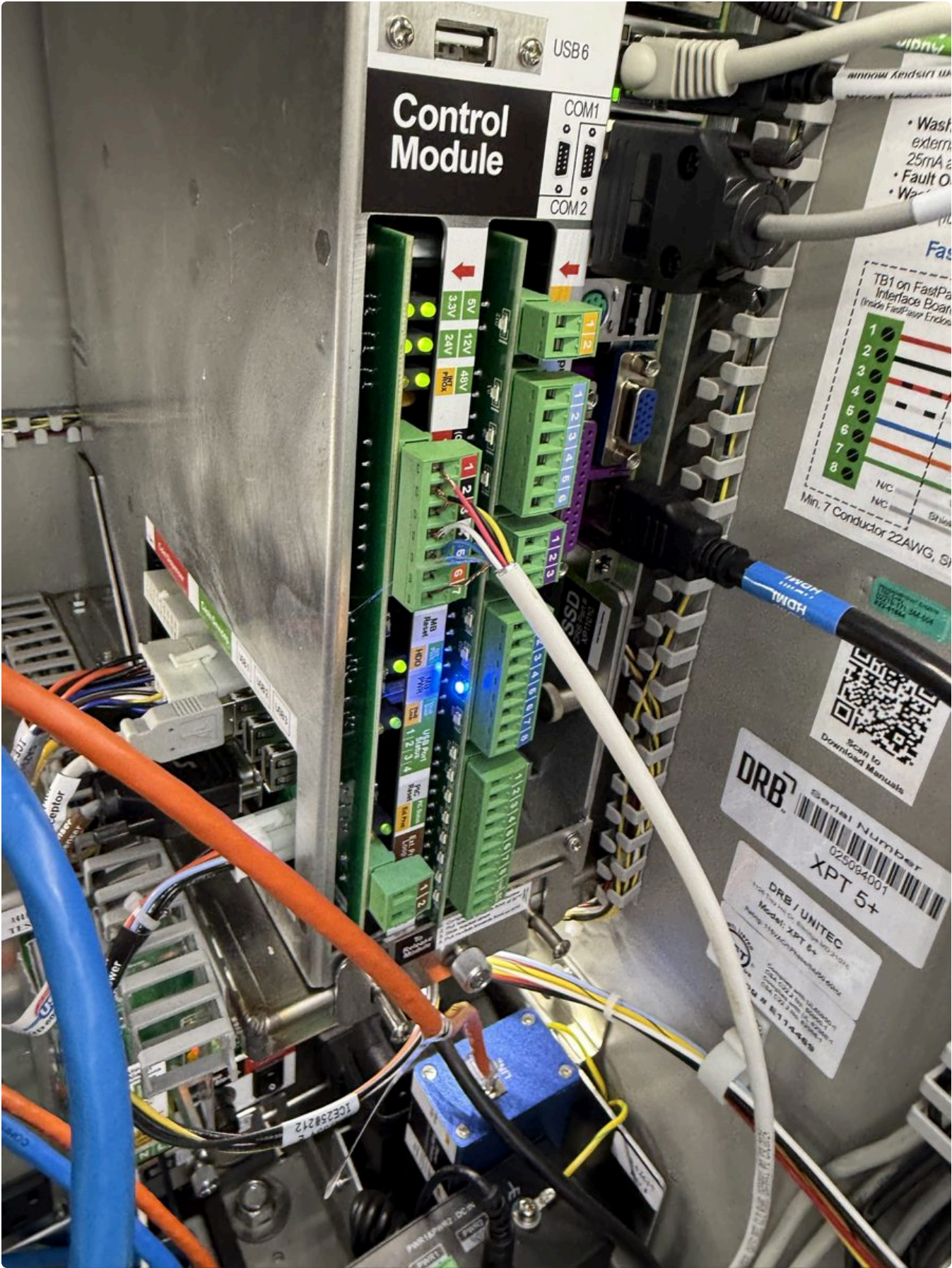
- Confirm the XPT is fully powered off before unplugging anything or cutting.
- Cover the electronics before saw-cutting, and clean out all metal shavings before closing the unit.
- Label each Ethernet cable before pulling it from the old switch.

1. Add the middleware PC and PoE switch

1. Open the XPT with the keys and crank.
2. Shut down the XPT using the main power switch on the power module.
3. Unplug all Ethernet cables and remove the existing PoE switch.
4. Unplug the USB cable from the display module.
5. Unplug the HDMI cable from the display module and the control module.
6. Place the new PoE switch inside the XPT. Plug the main home run into the switch, along with the other Ethernet cables going to the gates, LPR, etc.
7. Place the power strip inside the XPT and plug it into the power supply.
8. Place the middleware PC inside the XPT. Plug it into the PoE switch and the power strip.
9. Run a new HDMI cable from the display module to the middleware PC.
10. Run a new USB A-to-B cable from the display module to the middleware PC.







2. Retrofit the CC reader and barcode scanner

Remove the existing hardware

1. Take the XPT front fascia off the door by removing the four screws from behind.
2. Unbolt and remove the existing credit card reader.
3. Unbolt and remove the existing barcode scanner.

Install the PAX IM30 CC reader

1. Saw-cut the existing CC reader opening in the metal frame so it is large enough for the new IM30.
2. Saw-cut a matching opening in the plastic XPT fascia cover.
3. Place the reader in the new metal opening and screw the resized fascia back on.
4. Plug power into the IM30.
5. Plug an Ethernet patch cable into the IM30 and run it to the PoE switch.

Install the barcode scanner

1. Place the new barcode scanner into the new mount.
2. Mount the new scanner bracket into the existing slot on the XPT door.
3. Plug the scanner into the middleware PC.

3. Cash devices

Bill dispenser

1. Open the XPT vault door.
2. Pull the cash dispenser out to expose its right side.
3. Unplug the existing serial-to-Molex cable running to the XPT control module.
4. Plug in the new serial-to-Molex cable.
5. Plug the serial-to-USB cable into the new cable, then plug the USB end into the middleware PC.
6. Remove the TM1 jumper on the right side of the bill dispenser.



Bill acceptor

1. Unplug the bill acceptor's USB cable from the control module and plug it into the middleware PC.

4. Power up and test

1. Check that every new cable is seated and clear of the door hinge, then clean out any metal shavings.
2. Turn the XPT back on at the main power switch and confirm the middleware PC boots.
3. Always factory reset the PoE switch: with the switch powered on, hold the reset button for 15 seconds. All the Ethernet lights should turn yellow. Wait for the switch to finish restarting before testing.
4. Confirm the display module shows the NXT screen and responds to touch.
5. Check the PoE switch link lights for the home run, gates, LPR and IM30.
6. Run a test card transaction on the IM30.
7. Scan a test barcode.
8. Insert a bill into the bill acceptor and confirm it is accepted.
9. Run a test dispense from the bill dispenser.
10. Close and lock the vault and main doors.