



ICS Auto Sentry Retrofit for NXT — Step-by-Step Guide

Before you start

Parts

- ☐ Middleware PC
- ☐ PoE switch
- ☐ Power strip
- ☐ New ICS faceplate
- ☐ PAX IM30 CC reader
- ☐ New barcode scanner
- ☐ Beetratics screen and mounting brackets
- ☐ HDMI and USB cables (screen to middleware PC)
- ☐ Serial-to-Molex cable (bill dispenser)
- ☐ Serial-to-USB cables (bill dispenser, and bill acceptor if it isn't USB)
- ☐ Ethernet patch cables

Tools

- ☐ Kiosk keys
- ☐ Impact driver and socket set
- ☐ Screwdrivers

Cautions

- Confirm the kiosk is fully powered off before unplugging anything.
- Label each cable before you pull it.

1. Power down and remove the old hardware

1. Open the kiosk and power it down.
2. Unplug all of the old peripheral cables (card reader, barcode scanner, display).
3. Remove the old ICS faceplate with the old card reader and barcode scanner attached.
4. Remove the old ICS display screen.



2. Add the middleware PC and PoE switch

This part is the same as on the XPT5.

1. Remove the existing network switch, if there is one, and unplug all Ethernet cables.
2. Place the new PoE switch inside the kiosk. Plug the main home run into the switch, along with the other Ethernet cables going to the gates, LPR, etc.
3. Place the power strip inside the kiosk and plug it into the power supply.
4. Place the middleware PC inside the kiosk. Plug it into the PoE switch and the power strip.

3. Install the new plate, IM30 and barcode scanner

1. Install the new ICS faceplate.
2. Mount the PAX IM30 to the new plate.
3. Mount the new barcode scanner to the new plate.
4. Plug power into the IM30.
5. Plug an Ethernet patch cable into the IM30 and run it to the PoE switch.
6. Plug the barcode scanner into the middleware PC.



4. Mount the Beetrronics screen

1. Mount the new Beetrronics screen to the kiosk using the mounting brackets.
2. Run the screen's HDMI cable to the middleware PC.
3. Run the screen's USB touch cable to the middleware PC.
4. Plug the screen's power into the power strip.



5. Cash devices

Bill dispenser

The dispenser uses the same cable setup as the XPT5.

1. Open the vault door and pull the bill dispenser out to reach its connector.
2. Unplug the existing dispenser cable from the old controller.
3. Plug in the new serial-to-Molex cable.
4. Plug the serial-to-USB cable into the new cable, then plug the USB end into the middleware PC.

Bill acceptor

1. If the bill acceptor is USB, plug it straight into the middleware PC.
2. If it is serial, connect it through a serial-to-USB cable to the middleware PC.

6. Power up and test

1. Check that every new cable is seated and clear of the doors.
2. Turn the kiosk back on with the A/C 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 Beetronics screen 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. Reinstall the outer shell and lock the kiosk.

