
[Guide] Standup 2.0 Remove and Replace - Single Board Computer (SBC) Board

Overview

This guide is meant to walk you through the step by step process of swapping the SBC (Single Board Computer) in a Bevi Standup 2.0

Required Tools & Materials

- *Small Flathead screwdriver*
- *Plastic pry tool*
- *#2 Philips Screwdriver*
- *Cable snips*
- *Zip Ties*

Task 1: Open door

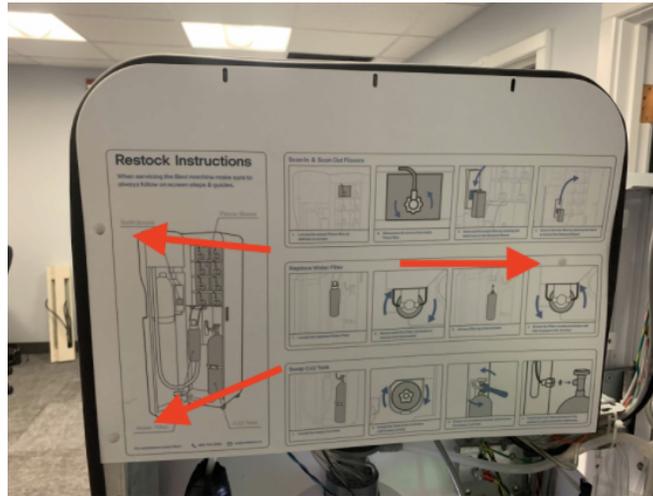
1. To access the SBC we first need to open the door
 - a. On the Bevi screen, touch "Explore"
 - b. In the upper left hand corner, touch "Service"
 - c. Enter the service pin "1986" to open the door

Task 2: Power off the Bevi

1. Once the door is opened, power off the Bevi
 - a. The power switch is located on the back, at the top of the Bevi

Task 3: Remove the restock instruction card

1. Remove the restock instruction card by carefully removing the 3 plastic rivets securing the card to the door.
 - a. Gently pry plastic rivets up using a small flathead screwdriver
 - b. The SBC is located on the inside of the door on the upper right hand side
 - i. The SBC is covered by a black plastic splash guard

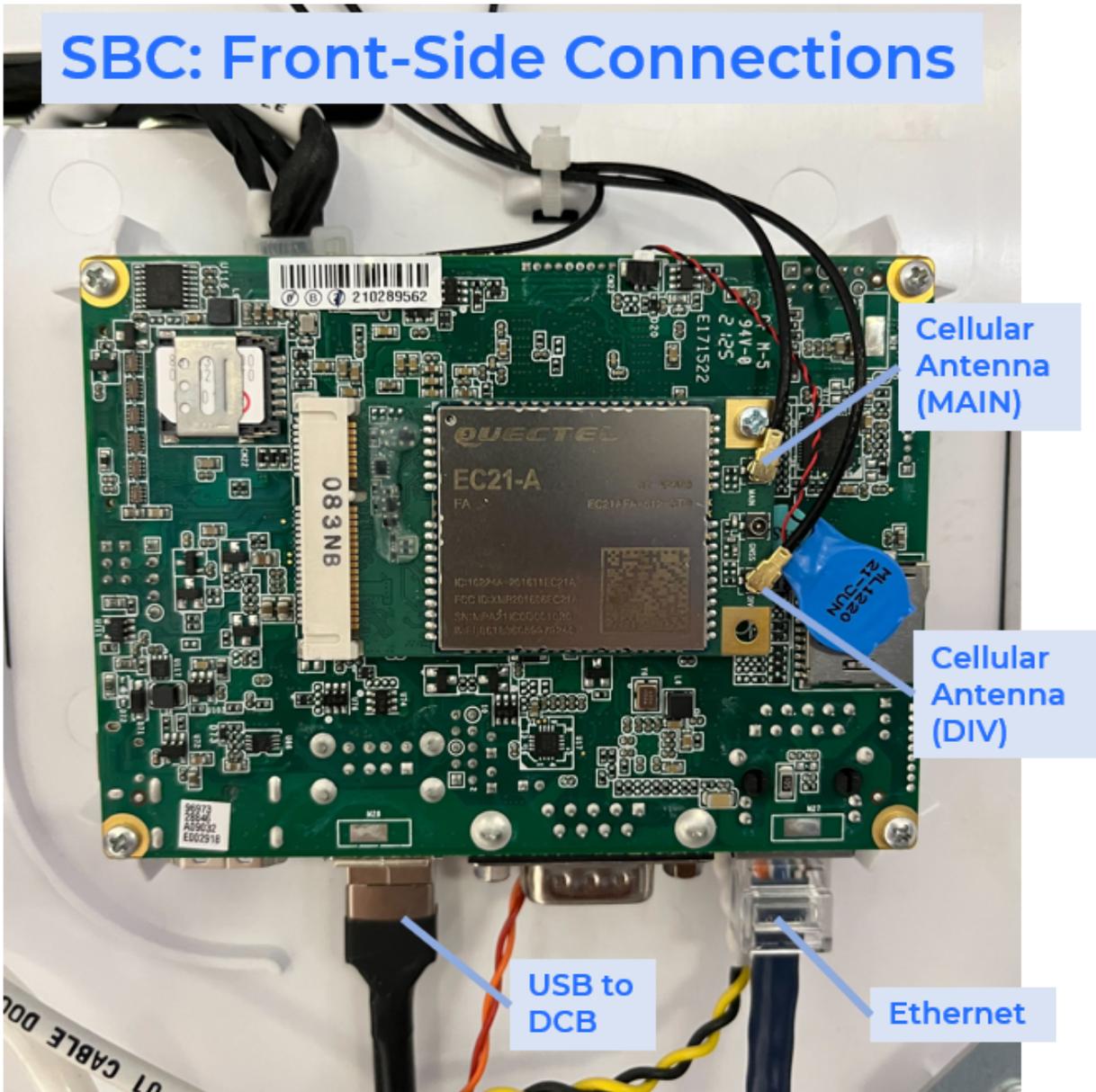


Task 4: Removing the SBC

1. Remove the plastic splash guard
 - a. This is done by simply gently pinching the left and right sides together to release the tabs
2. Using your cable snips, cut the zip ties securing the cables to the door
 - a. There are three zip ties that should be cut. Two above the SBC that secure the HMI and Cellular wires, and one below that secures the USB cable
 - b. This will give you more slack on the cables, making it easier to manipulate the SBC and disconnect the cables

CAUTION: BE EXTREMELY CAREFUL TO NOT CUT OR DAMAGE ANY WIRES

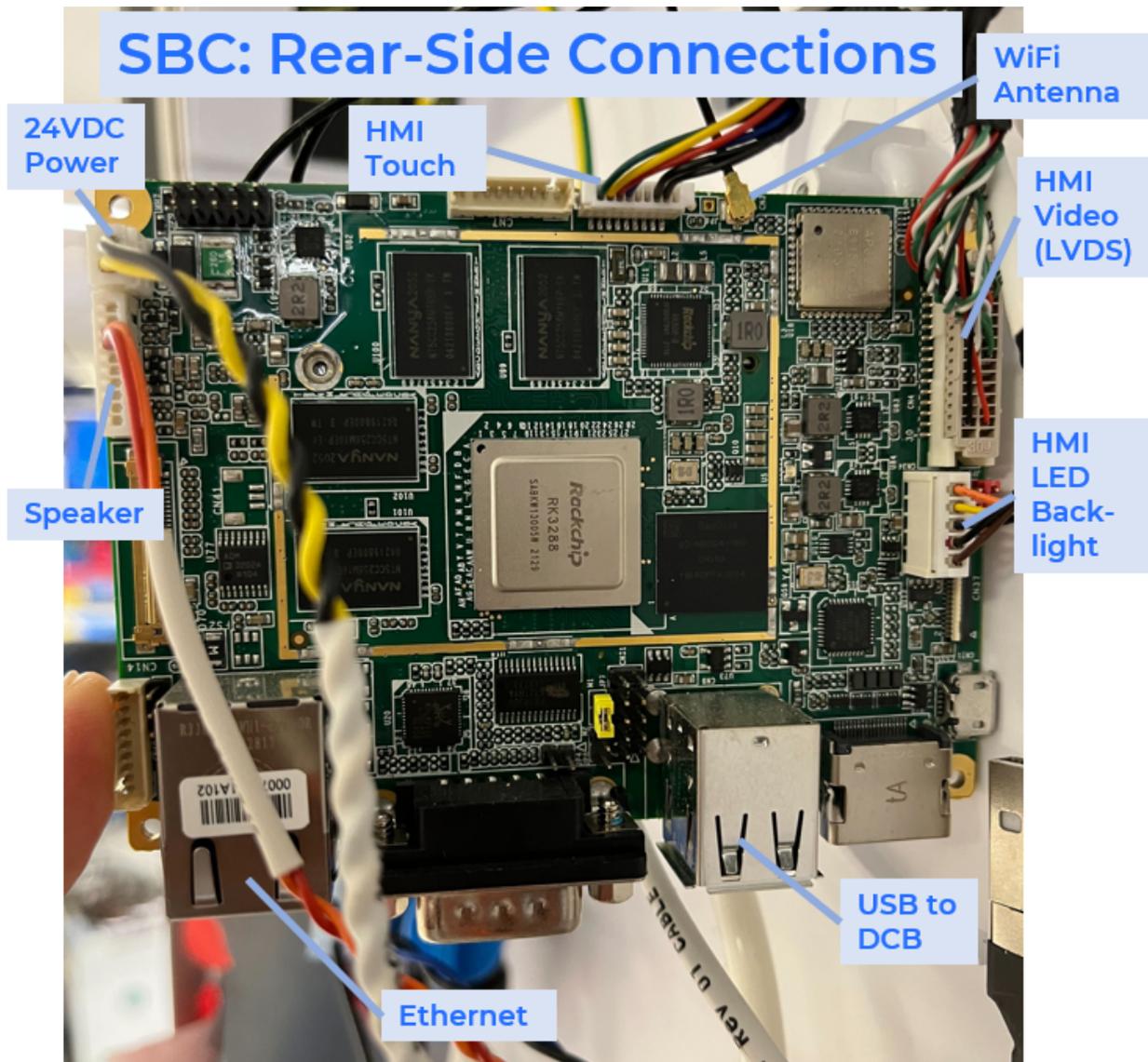
3. Unscrew the the four phillips screws that fasten the SBC to the door
 - a. Make sure to set the screws aside in a safe place, they will be reused to install the new SBC
4. Once the SBC has been unscrewed, disconnect the USB and Ethernet cables
 - a. These two cables are larger and stiffer than the others, disconnecting them first will allow for easier access to the backside of the SBC
5. Disconnect the two Cellular Antenna wires from the front of the SBC
 - a. It is recommended to take a photo of these connections prior to removing for reference when reinstalling the new SBC
 - i. The two cellular connections are labeled on the SBC as "MAIN" and "DIV"
 - b. These cables disconnect by gently lifting on the wire to disconnect the brass connector



6. Gently flip the SBC over to access the connectors on the backside
 - a. There are six individual cables that need to be disconnected from the back of the SBC
 - i. There are three cables from the HMI, one WiFi antenna wire, the speaker cable, and the SBC power cable
7. Disconnect all remaining cables from the SBC
 - a. Using your small plastic pry tool, gently remove the cables from the connectors on the SBC

- i. Each connector has a small “shoulder” on either side that you can gently pry up using the plastic tool

CAUTION: Do not pull directly on any of the wires, as it can be easy to damage or even pull the wires out of the connector



Task 5: Installing the new SBC

1. Reconnect the six cables on the back of the new SBC
 - a. Each of the cables has a unique connector, they cannot be installed in the wrong place
 - b. Ensure that each cable is fully seated into the connector



Rev. (7/29/2022)

2. Flip the SBC back over and reconnect the USB and Ethernet cables
 - a. It is much easier to reconnect these cables before the SBC is reattached to the door
3. Reinstall the four phillips screws to attach the new SBC to the door
 - a. These screws just need to be snug, do not overtighten
 - i. These screw into plastic and it is possible to strip the threads
4. Once the SBC is installed on the door, reattach the two remaining cellular wires
 - a. These are labeled as "MAIN" and "DIV" on the SBC
 - i. Reference the photo taken from Task 3 Step 5

Task 6: Update the Touchscreen ID

1. Now that the new SBC is installed, power on the Bevi machine
2. Once powered on, the new SBC will boot up into Factory Mode
3. Connect to the internet
 - a. Follow the setup instructions on screen to connect to the internet
4. Once connected the Bevi will download and install any available updates
5. You **MUST** contact Bevi Support to have the units Touchscreen ID updated
 - a. The replacement SBC will have a new Touchscreen ID
 - b. Contact Bevi Support at 866-704-2384
 - c. Bevi Support will assist in updating the Touchscreen ID on the Well, and pushing the software properties for the unit to the new SBC

Task 7: Test the machine

1. Test the functionality of the Bevi machine to ensure that your issue has been resolved
2. If the issue is resolved:
 - a. Reinstall any zip ties that were cut to secure cabling to the door
 - b. Reinstall the splash guard over the SBC
 - c. Reinstall the restock instruction card
 - d. Close the door
3. If the issue is NOT resolved
 - a. Double check that all cables have been reconnected to the SBC
 - b. Contact Bevi Support at 866-704-2384 for further assistance