3.1 Connect the parts

3.2 Wi-Fi antenna

3.3 Camera module (optional)

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**Installation Instructions**

This installation guide will help you to assemble your development kit using step-by-step instructions to make sure all parts (development board, Wi-Fi antenna, camera module and display) are working.

**3.3 Connect the parts**

Connect the parts in the following order. Please note that some versions of the FLEX-PI-IMX8M evaluation kit do not include the camera, multi-touch display, and/or cardboard stand.

Tips: Do not power your board during the installation process.

**3.2 Wi-Fi antenna**

Please follow the steps below to properly install the Wi-Fi antenna.

Step 1: Prepare Wi-Fi antenna, extender cable and development board.

Step 2: Locate the round antenna pin on the development board. Make sure the connector is aligned with the pin. Press the small round connector at the end of the extender cable onto this pin. You will need to press down until you hear a click sound.

Step 3: Screw the extender cable into the base of the Wi-Fi antenna.

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**3.1 Connect the parts**

Connect the parts in the following order. Please note that some versions of the FLEX-PI-IMX8M evaluation kit do not include the camera, multi-touch display, and/or cardboard stand.

Tips: Do not power your board during the installation process.

**3.3 Camera module (optional)**

Please follow the steps below to properly install the camera module.

Step 1: Prepare camera module, FPC cable and evaluation board. Turn the camera module over to reveal a white connector near the edge of the module.

Step 2: Swivel the black retaining clip upward.

Step 3: Insert either end of the camera module cable into the white connector. Make sure that the blue side of the ribbon is facing up and is aligned straight with the connector. The silver pins on the FPC cable should be facing down.

Step 4: Swivel the retaining clip back down to hold the FPC cable in place.

Tips: After installation remove the protective blue film from the camera lens.
Please follow the steps below to properly install the VOICEHAT.

Step 1: Prepare VOICEHAT, standoff screws and speaker cables.
Step 2: Connect both speakers to the VOICEHAT. Make sure the speaker cables exit on the left side.
Step 3: Align the 40-pin female connector next to the 40-pin male connector on the development board and gently press the connector on the back of the VOICEHAT onto the connector on the board. Then secure it with screws.

Please follow the steps below to properly install the display.

Step 1: Locate the TOUCH and MIPI Display FPC connectors on the development board. Swivel the black retaining clips upward.
Step 2: Insert ends of the TOUCH and MIPI Display FPC cables into the connectors on the board. The silver pins on the FPC cable should be facing down. Then swivel the retaining clips back down to hold the FPC cables in place.
Step 3: Remove the protective transparent film from the display.

Please follow the steps below to properly install the VOICEHAT.

Step 1: Prepare VOICEHAT, standoff screws and speaker cables.
Step 2: Connect both speakers to the VOICEHAT. Make sure the speaker cables exit on the left side.
Step 3: Align the 40-pin female connector next to the 40-pin male connector on the development board and gently press the connector on the back of the VOICEHAT onto the connector on the board. Then secure it with screws.

NOTE: FLEX-IMX8M-MINI does not support HDMI connector.

Time to set up the cardboard stand. It only takes a few minutes.

Step 1: Separate the shapes from the cardboard.
Step 2: Bend and fold the pieces along their scored lines.
Step 3: Remove the protective layer from the bottom of the A-lettered pieces.
Step 4: Gently press them into the matching space on the stand.
Step 5: Turn the stand upside down and insert the lettered tabs into the matching lettered slots.
Step 6: Turn the stand back and lift the tabs.

Now your kit is almost assembled.

Step 1: Insert the camera through the opening on the top side. Loop it around the back and to the top. Press the camera into the square opening. Reattach the FPC cable to the camera module.
Step 2: Adjust the antenna to a 90-degree angle. Insert it into the circular portion of the cutout and push it back until the joint is flush with the stand. Now push the antenna down for a snug fit. Reattach the extension cable to the antenna.
Step 3: Hold the display and board in front of the display and development board opening. Lower the display and board in position and gently press the edges into the stand. Connect the USB Type-C cable to power up the evaluation kit.

The unit is preloaded with software that can download and install a selection of OS images over hardwired network. Simply connect a network to the unit through the LAN RJ45 connector and power it up, then follow the steps on the screen to load the software. Local proxies will interfere with this process. For more information, go to our Knowledge Base at https://www.technexion.com/support/knowledge-base/