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, WiFi antenna, camera module and display) are working.

3.1 Connect the parts

Connect the parts in the following order. Please note that some versions of the PICO-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 WiFi antenna

Please follow the steps below to properly install the WiFi antenna.

Step 1: Prepare WiFi 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 WiFi antenna.

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.
Step 5: Repeat these same steps with the other end of the cable and the connector on the board.
Tips: After installation remove the protective blue film from the camera lens.
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.

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**Cardboard stand (optional)**

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.

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**External Connectors**

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<tr>
<th>No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>1</td>
<td>40-pin expansion header</td>
<td>9</td>
<td>HDMI connector</td>
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<tr>
<td>2</td>
<td>MIPI Camera 2 connector</td>
<td>10</td>
<td>Micro USB CONSOLE1 connector</td>
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<tr>
<td>3</td>
<td>TOUCH connector</td>
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<td>PC/104+ header</td>
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<td>LAN RJ45 connector</td>
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<td>VF200 connector</td>
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<td>Boot mode jumper</td>
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<td>CLIX 40-pin connector</td>
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<td>9</td>
<td>WiFi antenna MHF4 connector</td>
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**Software Installation**

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/