3. Safety Precautions

Thank you for purchasing a TechNexion EDM series evaluation kit based on NXP i.MX8M applications processor. This installation guide will be helpful in the installation, wiring and inspection of your TechNexion evaluation kit. Before using the product, please read this guide to ensure correct use. You should thoroughly understand all safety precautions before proceeding with the installation, wiring, and operation. Place this instruction sheet in a safe location for future reference.

3.1 Connect the parts

Camera module / HDMI capture card (optional)

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

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

3.2 Standoffs (optional)

Let’s prepare four standoffs. It only takes a few minutes.

Step 1: Prepare evaluation board and standoffs.
Step 2: Locate four standoffs holes on the evaluation board.
Step 3: Locate a screw and insert it into the hole. Screw a standoff on the underside. Attach the standoffs for the remaining three holes.

Tips: Remove EDM computing module before the standoffs installation.

3.3 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, display, camera module and Wi-Fi antenna) are working.

3.4 Connect the parts

Connect the parts in the following order. Note that some versions of the EDM-WIZARD-IMX8M evaluation kit do not include the multi-touch display, camera / HDMI capture module and/or HDMI expander card.

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

3.5 Camera module / HDMI capture card (optional)

Please follow the steps below to properly install the camera module. The same steps can be applied to the installation of the HDMI capture card.

Step 1: Prepare camera module, FPC cable and evaluation board.
Step 2: Locate four standoffs holes on the evaluation board.
Step 3: Locate a screw and insert it into the hole. Screw a standoff on the underside. Attach the standoffs for the remaining three holes.

Tips: After installation, remove the protective blue film from the camera lens.
Please follow the steps below to properly install the 5" display.

Step 1: Connect the RTC backup battery.
Step 2: Locate the MiFi Display FPC connectors on the board. The silver pins on the FPC cable should be facing down. Then slide the retaining clips back down to hold the FPC cables in place.
Step 3: Use three screws to secure the MiFi expander board to the development board.
Step 4: Locate the MiFi expander board and align the 70-pin connectors, gently press the connector onto the connector on the back of the expander board until you hear a click sound.
Step 5: Insert the end of the TOUCH and MIPI Display FPC cables into the connectors on the board.
Step 6: Remove the protective transparent film from the display.

Now your kit is almost assembled.

Please refer to the separate 8'/10.1' panel installation guide included with the panel for more details.

**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/

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