Setting Up a PL8RDR (OnLogic)

Follow these steps to set up a new OnLogic computer for use with OPS-COM as a PL8RDR.

Part 1: Installing the OS

1. Before powering it on, make sure the following are plugged into the computer:
   - monitor
   - keyboard
   - mouse
   - external hard drive containing OS image
   - USB flash drive containing Clonezilla
2. Power on the computer. When the OnLogic logo displays on the screen, press Delete to enter the BIOS settings.
3. Go to Boot Manager, and choose the option corresponding to the USB flash drive containing Clonezilla.
4. Clonezilla will start. Whenever you're prompted to make a choice during the installation process, which option to choose has been documented below:
   - Start option: default; `Clonezilla live (Default settings, VGA 800x600)`
   - Choose language: default; `en_US.UTF-8 English`
   - Keyboard configuration: default; `Keep`
   - Start Clonezilla: default; `Start_Clonezilla`
   - Option: default; `device-image`
   - Device to be written to: default; `local_dev`
   - Partition where image is located: choose option corresponding to external hard drive; `... 930.4G...`
   - Image directory: `Clonezilla    Jul_22`
   - Image directory: current folder should contain image; press Tab; `<Done>`
   - Mode: default; `Beginner`
   - Option: choose `restoredisk`
   - Image file: default (should be only one option); `2024-06-10-21-img`
   - Partition to be written to: default (should be only one option); `... 64.0GB...`
   - Extra parameters: choose `-scr  No, skip checking the image before restoration`
   - Action to perform when finished: choose `-p poweroff`
5. The installation process will take a few minutes to complete. Once it is done, the computer should power off. At this point, the installation media (both the external hard drive and USB flash drive) can be unplugged before proceeding to the next part.

Part 2: Confirming PinCntrl Driver GPIO Scheme

> This BIOS setting must be enabled to allow the PL8RDR8 to boot up quickly. It should be enabled by default, but it doesn't hurt to confirm it.

1. Power on the computer again. When the OnLogic logo displays on the screen, press Delete to enter the BIOS settings.
2. Go to Setup Utility.
3. Go to the Advanced tab, and enable Expert Mode.
4. Go to RC Advanced Menu -> PCH-IO Configuration, and confirm PinCntrl Driver GPIO Scheme (should be at the very bottom of the list) is enabled.
5. Press Esc repeatedly to exit the Setup Utility. You can choose Yes to discarding changes if PinCntrl Driver GPIO Scheme was already enabled. At this point, the computer can be shut down.

Part 3: SIM Card

1. Go to the Control Center for the SIM cards, click on Devices, click on the correct SIM number, and click Edit.
2. Enter the correct settings; they can be copied from a working SIM card from another client's setup.
3. Once the SIM card is properly set up, insert it into the PL8RDR. This requires unscrewing the plate from the bottom of the computer and lifting out the cell modem to access the SIM card slot underneath.