

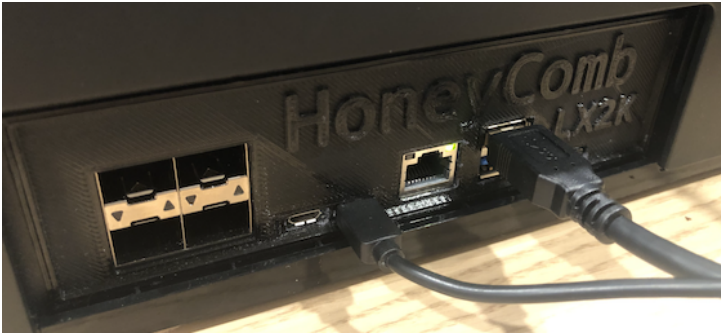
3. Preparation

3.1. Assembling a system

This document does not cover assembly instructions, which are typical of ATX/ITX systems. Please use official SolidRun support resources as needed at <https://developer.solid-run.com/knowledge-base/honeycomb-lx2k/> (e.g. around what RAM is supported, etc).

3.2. Serial console access

The serial console is provided via the microUSB connector in the front of the board. It is the first microUSB jack to the left of the RJ45 port.



Fire up your terminal emulation and connect to the device on your PC. The parameters used to open this port:

```
Baud Rate    115200
Data Bits    8
Parity       None
Stop Bits    1
Flow Control None
```

3.2.1. 'screen' terminal emulator

Note: device names below may be different. Check your system.

On Linux:

```
$ screen /dev/ttyUSB0 115200
```

On macOS:

```
$ screen /dev/tty.usbserial-A900UE2E
```

3.2.2. 'minicom' terminal emulator

Note: device names below may be different. Check your system.

With **minicom**, you will have to configure settings the first time you use it. To access menus, you will have to use the **CTRL** key in Linux, and **ESC** key on macOS. These directions will refer to this key as **META**.

On Linux:

```
$ minicom -c on -D /dev/ttyUSB0
```

On macOS:

```
$ minicom -c on -D /dev/tty.usbserial-A900UE2E
```

Now press **META-Z**:

```
Welcom+-----+
|                               | Minicom Command Summary |
|                               |                               |
OPTION|                               |                               |
Compil|                               | Commands can be called |
Port /|                               | by Meta-<key>         |
|                               |                               |
|                               |                               |
Press |                               |                               |
|                               |                               |
| Dialing directory..D run script (Go)...G | Clear Screen.....C |
| Send files.....S Receive files.....R | cOnfigure Minicom..O |
| comm Parameters...P Add linefeed.....A | Suspend minicom...J |
| Capture on/off....L Hangup.....H | eXit and reset....X |
| send break.....F initialize Modem...M | Quit with no reset.Q |
| Terminal settings..T run Kermit.....K | Cursor key mode...I |
| lineWrap on/off...W local Echo on/off..E | Help screen.....Z   |
| Paste file.....Y Timestamp toggle...N | scroll Back.....B   |
| Add Carriage Ret...U |                               |
|                               |                               |
|                               | Select function or press |
|                               | Enter for none.        |
+-----+-----+
Meta-Z for help | 115200 8N1 | NOR | Minicom 2.7.1 | VT102 | Offline | 1-A900UE2E
```

Now press **O**:

```
Welcome to minicom 2.7.1
OPTIONS:
Compiled on Oct 6 2019, 23:16:03.
Port /dev/tty.usbserial-A900UE2E, 23:35:36
Press Meta-Z for help on special keys
+-----[configuration]-----+
| Minicom setup menu |
| File transfer protocols |
| Serial port setup |
| Modem and dialing |
| Screen and keyboard |
| Save setup as dfl |
| Save setup as.. |
| Exit |
+-----+
Meta-Z for help | 115200 8N1 | NOR | Minicom 2.7.1 | VT102 | Offline | 1-A900UE2E
```

Use arrow key to navigate to **Serial port setup** and press the **ENTER**:

```
Welcome to minicom 2.7.1
OPTI+-----+
Comp| A - Serial Device      : /dev/tty.usbserial-A900UE2E
Port| B - Lockfile Location  : /usr/local/Cellar/minicom/2.7.1/var
| C - Callin Program    :
Pres| D - Callout Program    :
| E - Bps/Par/Bits      : 9600 8N1
| F - Hardware Flow Control : No
| G - Software Flow Control : No
|                               |
| Change which setting? |
+-----+-----+
| Screen and keyboard |
| Save setup as dfl |
| Save setup as.. |
| Exit |
+-----+-----+
Meta-Z for help | 9600 8N1 | NOR | Minicom 2.7.1 | VT102 | Offline | ial-A900UE2E
```

Now press **E**:


```
SolidRun CEX7 Platform
Cortex-A72                2.00 GHz
EDK II                    32767 MB RAM

Select Language          <Standard English>    Continue

> Device Manager
> Boot Manager
> Boot Maintenance Manager

Continue
```

ESXi will boot.

4.4. NTP

The HoneyComb does have a battery RTC. The time may not have been set correctly. It is highly recommended that you configure NTP, especially if adding the FRWY to a vCenter (ideally, matching the NTP servers used by vCenter to avoid time skew issues).