MX21 (MX Linux) on Dell XPS 13 (9360)

Useful links are:

- ArchWiki: Dell XPS 13 (9360)
- ArchWiki: DisplayLink
- Average Linux User: 20 Things to do After Installing MX Linux (2021)

The installation was smooth. My additional steps were:

1. add boot parameter `pci=noaer` to get rid of *AER* (Advanced Error Reporting) errors in kernel ring buffer (dmesg);
2. add boot parameter `intel_iommu=igfx_off` as workaround for problems with Qualcomm *ath10k_pci* WLAN chipset (and get rid of DMA errors in kernel ring buffer);
3. add this line to `/etc/apt/sources.list.d/debian-stable-updates.list`, else some *dev* packages like `libgtk-3-dev` are not available in package manager;

   ```
   deb-src http://deb.debian.org/debian/ bullseye-updates non-free contrib main
   ```

4. set-up *DisplayLink* software (to use my D3100 docking station) as described at DisplayLink Knowledge Base:
   - configure MX boot using *systemd*, may be persistent via MX Tools (*DisplayLink* requires *systemd* on D-Bus);
   - download *DisplayLink* driver software from download page;
   - download latest *evdi* driver tarball from GitHub, especially when using a 6.x *Linux* kernel;
   - extract *DisplayLink* according to article Porting the DisplayLink Ubuntu driver to other Linux distributions;

     ```
     ./displaylink-driver-x.x.xx.run --noexec --keep --target driver
     ```

   - in subdirectory `driver` replace `evdi.tar.gz` by the downloaded (latest) version of *evdi*
   - change to subdirectory `driver` and install *DisplayLink*;

     ```
     SYSTEMINITDAEMON=systemd ./displaylink-installer.sh
     ```

   - activate 2nd monitor:

     ```
     xrandr --setprovideroutputsource 4 0
     ```

     putting the command into `/etc/X11/Xsession.d/96rho_init_xrandr`;



Sometimes *DisplayLink* does not work as expected.

The next commands may be helpful in this case:

```
lsusb -d 17e9: # vendor ID of DisplayLink devices
systemctl status displaylink-driver.service
systemctl restart displaylink-driver.service
```



```
xrandr --listproviders
xrandr --current
```

Also the *MX Service Manager* might be helpful.

From:
https://wiki.rho62.de/ - **rho62 Wiki**

Permanent link:
https://wiki.rho62.de/doku.php?id=linux:install:mx21-xps9360

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