

Description of the machine

Hardware

[Gigabyte embedded AMD Epyc](#)

OS

MX Linux 23.2 Libretto fluxbox based on Debian Linux 12 bookworm

Configuration

Installation

Straight forward using these settings:

- Keyboard German
- encrypted disk with password
- filesystem btrfs
- disk with swap partition

Added Software

- VNC Server

The Desktop can be remotely controlled by either VNC or IPMI (HTML5, MegaRAC)

[Install VNC on Manjaro](#)

[Installation of VNC Server on MX Linux](#)

- SSH server
- Bitwarden
- conky (not really necessary)

Tweaks

join the sync queue of Firefox for the favorites

misc

default file manager Thunar

Add pci=noaer to the default Kernel parameter in the grub configuration

USB Drive mounting

This is not yet finally. When one of those drives is not available, the system will hang at system start.

I created two mount points:

- /mnt/lacie
- /mnt/armorlock

<https://linuxconfig.org/automatically-mount-usb-external-drive-with-autofs>

I added these two lines to /etc/fstab:

```
UUID=A9B7-5D47 /mnt/armorlock exfat
auto,nofail,rw,relatime,fmask=0022,dmask=0022,ioccharset=utf8,errors=remount-ro 0 0
UUID=FFDF-F997 /mnt/lacie exfat
auto,nofail,rw,relatime,fmask=0022,dmask=0022,ioccharset=utf8,errors=remount-ro 0 0
```

Then I executed these commands:

```
systemctl daemon-reload
mount -a
```

Description of networking

This machine uses altogether 4 network interfaces:

- hidden network interface for IPMI

- Internal Intel I210 Gigabit (only used during installation)
- Internal Intel I210 Gigabit (unused)
- USB to Ethernet Adapter 2.5 GBit/s

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