Using Innodisk EMP2-X203 on NRU-120S or NRU-110V

```
nvidia@nvidia-desktop:~/Desktop/EMP2_linux_driver_ARM_TX2_v2.3_8ports_191008/test/send$ sudo ./emp2_send
/dev/ttyXR0
Open '/dev/ttyXR0' success
Send success ... ( 1/10000)
Send success ... ( 2/10000)
Send success ... ( 3/10000)
Send success ... ( 4/10000)
Send success ... ( 5/10000)
Send success ... ( 6/10000)
Send success ... ( 7/10000)
Send success ... ( 8/10000)
```

Memo

- This memo just included the necessary memo for using EMP2-X203 on NRU-120S and NRU-110V

- It is **required** to rebuild the kernel image, to remove all the built-in kerenl option about `CONFIG_SERIAL_8250` . It is a bit complicated to re-build the kernel image of a Jetson system. A tutorial could be found here

```
#
# Serial drivers
#
CONFIG_SERIAL_EARLYCON=y
# CONFIG_SERIAL_LOGLEVEL_PRINT is not set
CONFIG_SERIAL_8250=n
CONFIG_SERIAL_8250_DEPRECATED_OPTIONS=n
# CONFIG_SERIAL_8250_FINTEK is not set
CONFIG_SERIAL_8250_CONSOLE=n
CONFIG_SERIAL_8250_DMA=n
CONFIG_SERIAL_8250_PCI=n
CONFIG_SERIAL_8250_NR_UARTS=n
CONFIG_SERIAL_8250_RUNTIME_UARTS=n
# CONFIG_SERIAL_8250_EXTENDED is not set
CONFIG_SERIAL_8250_FSL=n
CONFIG_SERIAL_8250_DW=n
# CONFIG_SERIAL_8250_RT288X is not set
# CONFIG_SERIAL_8250_MOXA is not set
CONFIG_SERIAL_OF_PLATFORM=y
```

- For the reset of the setup, you can follow the steps in Innodisk's driver for TX2
  - Go to the `driver` folder

```
sudo make clean
sudo make
sudo make install
```

  - Go to the `tools` folder

```
sudo make clean
sudo make
sudo make install

# Put emp2init in your startup script
```

  - Remember to send and recive data from COM port with `root premission`