Schneider update patch for kirkstone

u-boot:

(1) Copy SouceCode\imx8mplus\_build\tmp\work\imx8mpevk-poky-linux\u-boot-imx\2022.04-r0\git\arch\arm\dts\imx8mp-evk.dts to

..\imx8mplus\_build\tmp\work\imx8mpevk-poky-linux\u-boot-imx\2022.04-r0\git\arch\arm\dts\

(2) Copy SouceCode\imx8mplus\_build\tmp\work\imx8mpevk-poky-linux\u-boot-imx\2022.04-r0\git\board\freescale\imx8mp\_evk\lpddr4\_timing.c

to ..\imx8mplus\_build\tmp\work\imx8mpevk-poky-linux\u-boot-imx\2022.04-r0\git\board\freescale\imx8mp\_evk\

(3) Copy SouceCode\imx8mplus\_build\tmp\work\imx8mpevk-poky-linux\u-boot-imx\2022.04-r0\git\include\configs\imx8mp\_evk.h

to ..\imx8mplus\_build\tmp\work\imx8mpevk-poky-linux\u-boot-imx\2022.04-r0\git\include\configs\imx8mp\_evk.h

(4) Copy SouceCode\imx8mplus\_build\tmp\work\imx8mpevk-poky-linux\u-boot-imx\2022.04-r0\build\imx8mp\_evk\_defconfig\.config

to ..\imx8mplus\_build\tmp\work\imx8mpevk-poky-linux\u-boot-imx\2022.04-r0\build\imx8mp\_evk\_defconfig\

kernel:

(1) Copy SouceCode\imx8mplus\_build\tmp\work\imx8mpevk-poky-linux\linux-imx\5.15.71+gitAUTOINC+50912be386-r0\build\.config

to ..\imx8mplus\_build\tmp\work\imx8mpevk-poky-linux\linux-imx\5.15.71+gitAUTOINC+50912be386-r0\build

(2) Copy SouceCode\imx8mplus\_build\tmp\work\imx8mpevk-poky-linux\linux-imx\5.15.71+gitAUTOINC+50912be386-r0\git\arch\arm64\boot\dts\freescale\

imx8mp-evk-ecspi-slave.dts

imx8mp-evk-rpmsg.dts

imx8mp-evk.dts

imx8mp.dtsi

to \imx8mplus\_build\tmp\work\imx8mpevk-poky-linux\linux-imx\5.15.71+gitAUTOINC+50912be386-r0\git\arch\arm64\boot\dts\freescale\

(3) Copy SouceCode\imx8mplus\_build\tmp\work\imx8mpevk-poky-linux\linux-imx\5.15.71+gitAUTOINC+50912be386-r0\git\drivers\net\usb\

Makefile

qmi\_wwan.c

qmi\_wwan\_q.c

to \imx8mplus\_build\tmp\work\imx8mpevk-poky-linux\linux-imx\5.15.71+gitAUTOINC+50912be386-r0\git\drivers\net\usb\

(4) Copy SouceCode\imx8mplus\_build\tmp\work\imx8mpevk-poky-linux\linux-imx\5.15.71+gitAUTOINC+50912be386-r0\git\drivers\net\wireless\realtek\

Kconfig

Makefile

rtl88x2bu.tar.gz

to \imx8mplus\_build\tmp\work\imx8mpevk-poky-linux\linux-imx\5.15.71+gitAUTOINC+50912be386-r0\git\drivers\net\wireless\realtek\

(5) tar zxvf rtl88x2bu.tar.gz // Decompress rtl88x2bu.tar.gz

The real path that I created the build code project:

Before : /project/imx8mp\_6.1.1-1

After : /project/schneider\_kirkstone

..\project\schneider\_kirkstone\imx8mplus\_build\tmp\work\imx8mpevk-poky-linux\linux-imx\5.15.71+gitAUTOINC+50912be386-r0\git\drivers\net\wireless\realtek\rtl88x2bu\

Makefile

Line 39:

src=/home/albert/project/imx8mp\_6.1.1-1/imx8mplus\_build/tmp/work-shared/imx8mpevk/kernel-source/drivers/net/wireless/realtek/rtl88x2bu

Modify ==> (mx8mp\_6.1.1-1 ==> schneider\_kirkstone)

src=/home/albert/project/schneider\_kirkstone/imx8mplus\_build/tmp/work-shared/imx8mpevk/kernel-source/drivers/net/wireless/realtek/rtl88x2bu

..\project\schneider\_kirkstone\imx8mplus\_build\tmp\work\imx8mpevk-poky-linux\linux-imx\5.15.71+gitAUTOINC+50912be386-r0\git\drivers\net\wireless\realtek\rtl88x2bu\hal\phydm\

phydm.mk:

Line 2 :

EXTRA\_CFLAGS += -I/home/albert/project/imx8mp\_6.1.1-1/imx8mplus\_build/tmp/work-shared/imx8mpevk/kernel-source/drivers/net/wireless/realtek/rtl88x2bu/hal/phydm

Modify ==> (mx8mp\_6.1.1-1 ==> schneider\_kirkstone)

EXTRA\_CFLAGS += -I/home/albert/project/schneider\_kirkstone/imx8mplus\_build/tmp/work-shared/imx8mpevk/kernel-source/drivers/net/wireless/realtek/rtl88x2bu/hal/phydm

(6) Copy SouceCode\imx8mplus\_build\tmp\work\imx8mpevk-poky-linux\linux-imx\5.15.71+gitAUTOINC+50912be386-r0\git\drivers\usb\serial\

option.c

qcserial.c

usb\_wwan.c

to ..\imx8mplus\_build\tmp\work\imx8mpevk-poky-linux\linux-imx\5.15.71+gitAUTOINC+50912be386-r0\git\drivers\usb\serial\

rootfs:

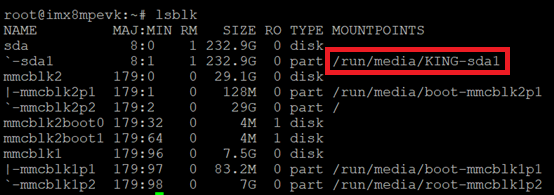
(1) copy SouceCode\imx8mplus\_build\conf\bblayers.conf to ..\imx8mplus\_build\conf\bblayers.conf

(2) copy SouceCode\imx8mplus\_build\conf\local.conf to ..\imx8mplus\_build\conf\local.conf

(3) copy sources\meta-security folder ..\source\

Update all tool and bin file:

lsblk



My usb storage device 🡺 /run/media/KING-sda1

/dev/sda1 🡺 /run/media/KING-sda1

Run command as follows in schneider platform:

sudo cp /run/media/KING-sda1/imx8mp\_kirkstone\_tool/imx8mp\_update.sh .

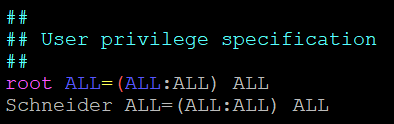
chmod +x imx8mp\_update.sh

./imx8mp\_update.sh

It copy all tools and many services to imx8mplus platform.

Update account and password

1. vim /etc/sudoers



1. vim /etc/hosts :

127.0.0.1 localhost HMIPBA0NDA

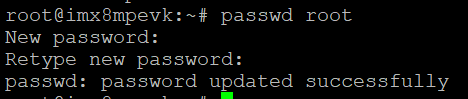
::1 localhost ip6-localhost ip6-loopback

ff02::1 ip6-allnodes

ff02::2 ip6-allrouters

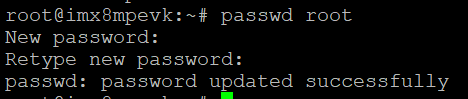
1. rm -rf /etc/hostname
2. sudo hostnamectl set-hostname HMIPBA0NDA
3. passwd root :

Pw#12345



1. useradd Schneider
2. passwd Schneider

Pw#12345



1. vim /etc/passwd :

Schneider:x:1001:1001::/home/Schneider:/bin/bash