Sonix Firmware Update Manual

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Download burn tool and binary files.

1. Download “BurnAp_std_v1.0.5.11.tgz”、” FilePath.ini” and “SN9C2730M_Firmware.aes” from GitHub.
   - “BurnAp_std_v1.0.5.11.tgz” is Linux firmware update tool.
   - “FilePath.ini” is burning binary filename and path.
   - “SN9C2730M_Firmware.aes” is firmware binary encryption file.

2. Use OpenSSL command to decryption “SN9C2730M_Firmware.aes”.
   - openssl enc -aes-256-cbc -in SN9C2730M_Firmware.aes -out SN9C2730M_Firmware_1.bin -d -k sonix

How to compile BurnAp_Standard tool

1. install libusb(select 1.1 or 1.2)

   1.1 Download package to install

   $sudo apt-get install libusb-dev

   1.2 To compile source code and to install

   Download source code from:

   https://sourceforge.net/projects/libusb/files/libusb-0.1%20%28LEGACY%29/0.1.12/libusb-0.1.12.tar.gz/download

   $apt-get install g++
   $tar -zxvf libusb-0.1.12.tar.gz
   $cd libusb-0.1.12
   $chmod +x configure
   $./configure
   $make
   $sudo make install

2. Compiling BurnAp_Standard

   $cd <BurnAp_Standard root>/burner_console

   $make

How to use fw_update tool

1. Putting firmware bin file to folder:

   <BurnAp_Standard root>/burner_console/SONiX_BurnerAP

2. Creating file FilePath.ini to specify firmware bin file

   $cd <BurnAp_Standard root>/burner_console/SONiX_BurnerAP
   $echo "XXX.bin">FilePath.ini

3. Connect your device
4. executing fw_update

   show usage:

   $./fw_update -h

   burn 128k fw file

   $sudo ./fw_update -2

   burn 64 fw file

   $sudo ./fw_update -1

   burn 32 fw file

   $sudo ./fw_update -3