

==0x8d87b00 [0,0]

Contents: [Dobrica Pavlinu's random unstructured stuff]

- Dobrica Pavlinu's random unstructured stuff (dmesg)
- Dobrica Pavlinu's random unstructured stuff (firmware extracting)
- Dobrica Pavlinu's random unstructured stuff (firmware download and binwalk)

ChinaChip CC1800-A

<http://www.dingux.com/2011/03/running-code-on-ga330.html>

## dmesg

```
[164083.920115] usb 1-1: new high-speed USB device number 14 using ehci-pci
[164084.069506] usb 1-1: New USB device found, idVendor=07c4, idProduct=a4a5
[164084.069513] usb 1-1: New USB device strings: Mfr=0, Product=0, SerialNumber=1
[164084.069516] usb 1-1: SerialNumber: A00A00A00A00
[164084.075555] usb-storage 1-1:1.0: USB Mass Storage device detected
[164084.109544] usb-storage 1-1:1.0: Quirks match for vid 07c4 pid a4a5: 420
[164084.132100] scsi5 : usb-storage 1-1:1.0
[164085.142318] scsi 5:0:0:0: Direct-Access      ONDA MP4  PLAYER          PQ: 0 ANSI: 0
[164085.142774] scsi 5:0:0:1: Direct-Access      ONDA MP4  PLAYER          PQ: 0 ANSI: 0
[164085.143181] sd 5:0:0:0: Attached scsi generic sg1 type 0
[164085.143560] sd 5:0:0:1: Attached scsi generic sg2 type 0
[164085.143877] sd 5:0:0:0: [sdb] 16179200 512-byte logical blocks: (8.28 GB/7.71 GiB)
[164085.145277] sd 5:0:0:0: [sdb] Write Protect is off
[164085.145287] sd 5:0:0:0: [sdb] Mode Sense: 00 06 00 00
[164085.147025] sd 5:0:0:0: [sdb] Asking for cache data failed
[164085.147032] sd 5:0:0:0: [sdb] Assuming drive cache: write through
[164085.147930] sd 5:0:0:1: [sdc] Attached SCSI removable disk
[164085.152030]  sdb:
[164085.155629] sd 5:0:0:0: [sdb] Attached SCSI removable disk
```

## firmware extracting

- tools from <http://forum.xda-developers.com/showpost.php?p=28329544&postcount=1>

```
dpavlin@x200:/x200/Onda-VX575HD/imgRePacker_W201_L100$ ./imgrepacker ../ftp.onda.cn/download/driver/
```

```
imgRePacker (version 1.00 linux)
LiveSuit's firmware image unpacker/packer
```

```
(c) RedScorpio, Moscow, 2012
RedScorpio@land.ru
```

```
===== [ START ] =====
```

```
--- Firmware unpacking ---
```

```
File "../ftp.onda.cn/download/driver/oamp3/VX575HD/VX575HD_V1.02.img" was read
```

```
- image.cfg creating -
image.cfg created
Can't check "sys_config"
```

```

- Files extracting -
"eFex/sys_config.fex"          extracted
"eFex/split_c43a2a92-a8ed-4f92-abdb-ca0d5d29666d.bin"      decrypted
"eFex/tools.fex"              extracted
"eFex/fes_1.fex"              extracted
"eFex/fes_2.fex"              extracted
"eFex/fes.fex"                extracted
"eGon/Boot0.bin"              decrypted
"eGon/Boot1.bin"              decrypted
"eFex/HW_scan.axf"            decrypted
"eFex/update_Boot0.axf"       decrypted
"eFex/update_Boot1.axf"       decrypted
"eFex/fet_restore.axf"        decrypted
"eFex/magic_cr_start.fex"     extracted
"eFex/magic_cr_end.fex"       extracted
"eFex/magic_de_start.fex"     extracted
"eFex/magic_de_end.fex"       extracted
"eFex/fed_nand.axf"           decrypted
"setup/zdisk.img"             decrypted
  - Internal image (zdisk.img) processing -
  - zdisk.cfg creating -
  zdisk.cfg created
"eFex/verify.fex"             extracted
"setup/rootfs.az"             extracted
  - AZXMAGIC processing (rootfs.az) -
  AZKey don't found in "rootfs.az" (use "/8600" key for packing)
  rootfs.az.iso.lzma created
-----
Run XZ archiver (unpacking)
-----
  rootfs.az.iso created
"setup/startup1.bmp"          extracted
"setup/startup2.bmp"          extracted
"setup/startup3.bmp"          extracted
"setup/startup4.bmp"          extracted

- Filelist.txt creating -
Filelist.txt created

===== [ STOP ] =====

```

## firmware download and binwalk

```

dpavlin@x200:/x200/Onda-VX575HD$ wget -m ftp://ftp.onda.cn/download/driver/oamp3/VX575HD/VX575HD*
dpavlin@x200:/x200/Onda-VX575HD$ binwalk -B -H -G *.img

```

```

Scan Time:      2015-01-30 18:29:59
Target File:    VX575HD_VX585_FLASH_TOOLS.img
MD5 Checksum:  99b941b405409a829ada43eee3736532

```

DECIMAL	HEXADECIMAL	HEURISTIC ENTROPY ANALYSIS
2048	0x800	Moderate entropy data, best guess: compressed, size: 17408, 102 low e
34816	0x8800	High entropy data, best guess: encrypted, size: 65536, 0 low entrop
105472	0x19C00	Moderate entropy data, best guess: compressed, size: 25600, 5 low e
151552	0x25000	High entropy data, best guess: encrypted, size: 32768, 0 low entrop
211968	0x33C00	High entropy data, best guess: encrypted, size: 21504, 0 low entrop
236544	0x39C00	Moderate entropy data, best guess: compressed, size: 140288, 7 low
384000	0x5DC00	High entropy data, best guess: encrypted, size: 16384, 0 low entrop
415744	0x65800	Moderate entropy data, best guess: compressed, size: 56320, 2 low e

494592	0x78C00	Moderate entropy data, best guess: compressed, size: 56320, 2 low e
579584	0x8D800	Moderate entropy data, best guess: compressed, size: 53248, 2 low e
655360	0xA0000	High entropy data, best guess: encrypted, size: 9106432, 0 low entr
9782272	0x954400	High entropy data, best guess: encrypted, size: 13312, 0 low entrop
9816064	0x95C800	High entropy data, best guess: encrypted, size: 13312, 0 low entrop

- <https://www.mp4nation.net/forum/onda-vx575hd-t10249.html>
- <https://www.mp4nation.net/forum/onda-vx575hd-t10249s30.html>

VX575HD v1.02 beta version of the firmware

Updated 2009-09-24

Support Type VX575HD

1. Add files to copy, paste, cut function;
2. New e-book reading function of vertical screen;
3. New Sleep off function;
4. Added support for Traditional Chinese support

firmware download > [ftp://ftp.onda.cn/download/driver/oamp3 ... \\_V1.02.img](ftp://ftp.onda.cn/download/driver/oamp3..._V1.02.img) (right click > save as..)

livesuite download > [ftp://ftp.onda.cn/download/driver/oamp3 ... veSuit.rar](ftp://ftp.onda.cn/download/driver/oamp3...veSuit.rar) (right click > save as..)

Note:

1. Firmware upgrade must upgrade tool, please download the firmware upgrade tool file.
2. Firmware upgrade method, see the firmware upgrade tool documentation.
3. Test version of the firmware, there may be BUG, only for experienced users to download a trial.