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1. AMD HD7750
Sapphire HD7750 Low Profile
VBIOS
a. Download/extract BIOS
b. Terminal $ ./radeon_bios_decode
Ex.
Last login: Sat Apr 27 19:14:54 on console
$ cd /Users/dltottle/Desktop/hdmi_audio_hd7750
$ ./radeon_bios_decode < hd7750.bin</pre>
ATOM BIOS Rom:
        SubsystemVendorID: 0x174b SubsystemID: 0xe231
        IOBaseAddress: 0x0000
        Filename: 231P03H6.S25
        BIOS Bootup Message: E231 VERDE PRO 1G GDDR5 64MX32
PCI ID: 1002:683f
Connector at index 0
        Type [@offset 44902]: DisplayPort (10)
        Encoder [@offset 44906]: INTERNAL_UNIPHY2 (0x21)
        i2cid [@offset 44986]: 0x91, OSX senseid: 0x2
Connector at index 1
        Type [@offset 44912]: HDMI-A (11)
        Encoder [@offset 44916]: INTERNAL_UNIPHY2 (0x21)
        i2cid [@offset 45013]: 0x94, OSX senseid: 0x5
Connector at index 2
        Type [@offset 44922]: DVI-I (2)
        Encoder [@offset 44926]: INTERNAL UNIPHY (0x1e)
        i2cid [@offset 45050]: 0x93, OSX senseid: 0x4
Connector at index 3
        Type [@offset 44932]: DVI-I (2)
        Encoder [@offset 44936]: INTERNAL KLDSCP DAC1 (0x15)
        i2cid [@offset 45050]: 0x93, OSX senseid: 0x4
$exit
kext edits
a. ATI7000Controller.kext/Contents/MacOS/AMD7000Controller binary
b. HexEditor
Personality: Dashimaki
ConnectorInfo count in decimal: 4
Disk offset in decimal 608944
0000000 00 04 00 00 04 03
                               00
                                   00
                                       00
                                           01
                                               01
                                                   00
                                                       12
                                                           04
                                                               02
                                                                   02
0000010 00 04
               00 00
                       04 03 00
                                   00
                                       00
                                           01 02
                                                   00
                                                       22
                                                           05
                                                               03
                                                                   05
0000020 04 00
               00 00
                       14 02 00
                                   00
                                       00
                                           01 03 00
                                                       00
                                                           00
                                                               04
                                                                   04
0000030 00
           08
               00 00
                       04
                           02 00
                                   00
                                       00
                                           01 04
                                                   00
                                                       11 02
                                                               01
                                                                   01
0000040
```

```
native
00 04 00 00 04 03 00 00 00 01 01 00 12 04 02 02
00 04 00 00 04 03 00 00 00 01 02 00 22 05 03 05
04 00 00 00 14 02 00 00 00 01 03 00 00 00 04 04
00 08 00 00 04 02 00 00 00 01 04 00 11 02 01 01
from
00 04 00 00 04 03 00 00 00 01 02 00 22 05 03 05
00 08 00 00 04 02 00 00 00 01 02 00 22 05 03 05
from
00 08 00 00 04 02 00 00 00 01 04 00 11 02 01 01
00 04 00 00 04 03 00 00 00 01 04 00 11 02 01 01
patched
00 04 00 00 04 03 00 00 00 01 01 00 12 04 02 02
00 08 00 00 04 02 00 00 00 01 02 00 22 05 03 05
04 00 00 00 14 02 00 00 00 01 03 00 00 00 04 04
00 04 00 00 04 03 00 00 00 01 04 00 11 02 01 01
dsdt/ssdt edits
a. dsdt.aml/ssdt.aml
b. MaciASL
            Device (PEGP)
                Name (_ADR, 0x00010000)
                Name (\_STA, 0 \times 0 F)
                Method (_PRW, 0, NotSerialized)
                    Return (GPRW (0x09, 0x04))
                }
                Device (GFX0)
                    Name (_ADR, Zero)
                    Name (SUN, One)
                    Method (DSM, 4, NotSerialized)
                    {
                         Store (Package (0x10)
                             {
                                 "AAPL, slot-name",
                                 Buffer (0x07)
                                 {
                                     "Slot-1"
                                 },
                                 "device-id",
```

```
Buffer (0x04)
                 {
                     0x3F, 0x68, 0x00, 0x00
                 },
                 "@0,name",
                 Buffer (0x0E)
                     "ATY, Dashimaki"
                 },
                 "@1, name",
                 Buffer (0x0E)
                     "ATY,Dashimaki"
                 },
                 "@2,name",
                 Buffer (0x0E)
                 {
                     "ATY, Dashimaki"
                 },
                 "@3,name",
                 Buffer (0x0E)
                 {
                     "ATY, Dashimaki"
                 },
                 "model",
Buffer (0x13)
                     "AMD Radeon HD 7750"
                 },
                 "hda-gfx",
                 Buffer (0x0A)
                     "onboard-2"
                 }
            }, Local0)
        DTGP (Arg0, Arg1, Arg2, Arg3, Ref0f (Local0))
        Return (Local0)
    }
}
Device (HDAU)
{
    Name (_ADR, One)
    Method (_DSM, 4, NotSerialized)
```