

Huang Chung Electronics Ltd.

User Manual

OSSBox



Huang Chung Electronics Ltd.

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1. Introduction

Concerning there are quite a few compatibility problems when opensources (linux) collocates with hardware and most users cannot handle it smoothly, we introduce the low-priced OSSBox under the support of manufacturers who promote opensources intently. OSSLAB is in combination with encoded opensources software applications, no need of any modifications or drives, so that everyone can use these open-source software easily. All rewritten software complies with GPL software contract.

2. Overview

2.1 Specifications:

CPU	VIA C3 Nehemiah 1.0 Ghz
DRAM	Long dimm DDR slot*2 32MB~2048MB
Storage	2 IDE connectors. IDE 1: standard connector; IDE 2: mini connector
Video Output	Built-in S-video terminal, D-sub, AV terminal, DVI port
USB	4 USB 2.0 ports
Audio	Analog RCA, M-Audio, Coaxial output. MIC input
LAN	2 port 10/100 LAN (RTL8100). LAN 2: Mini PCI slot
PCI	One PCI slot
Other ports	Multi-Card Reader, Smart card reader, Serial port



2.2 Applicable Software

Standard PC Applications:

- Win XP
Smooth in internet browsing and playing DVD, mpeg I and II (partially smooth in 720p, not smooth in 1080i)
Advantages:
can totally support Mpeg Decoder
DVB-T driver
P2P Stream (PPLive and XBMC can be completely integrated.)
Good software support
Disadvantages:

Embedded Flash occupies large amount of space and OS gets damaged easily
OS authorization is not free.

- Harddisk-less thin client application
Thin-station
<http://www.thinstation.org/>
Used as RDP Client,VNC Viewer.

Media Player

- FREE VDR
When in combination with satellite receiver card, it can be used in playing DVB-S mpeg 2 HD, just like DVB-S Box. There is built-in support for mpeg decoder
- [Geexbox Linux](#)
- [XBMC](#)
Can download xbmc live CD or USB Image (with OS), it takes up 2GB of the space
- Mediaportal
- Meedios
Windows HTPC suite. Application software is Open Source except for the operating system.

TV Media Server

similar with Sling box, Locationfree

- Mediaportal TV Server
Can be used for single client or multi clients. Needs SQL or Mysql Server when for multi clients
- Beyond TV
- Cyberlink live
support iPhone

Internet Firewall

- X86 DD-WRT Wireless software
- Pfsense: has built-in VPN server
- IPCOP (has proxy function)
- Coyote
- FreeUTM UTM
- [Untagle](#)
Intalled report, OpenVPN, Firewall, Web Filter, Protocol Control on the 8G CF card with 512 RAM. When there's no client connection, the CPU occupation is 15%. If there's operations running, the CPU occupation will be 100%. Usually, internet-surfing on one client will take up 50% usage of the CPU.

Other applications

- AntiSpam
- IP PBX
- Fax server
- FreeNas

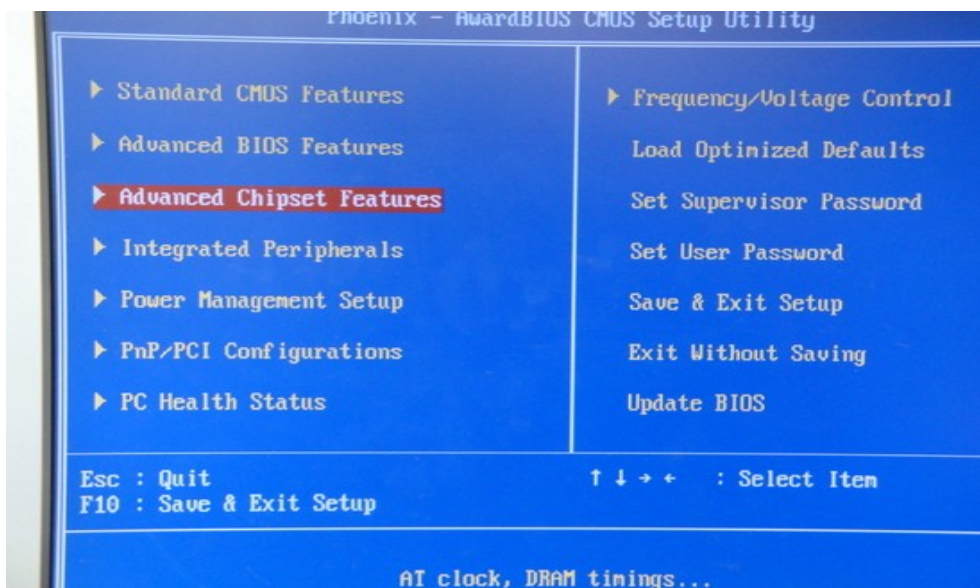
2.4 Video-out Settings

The are five formats of video output in OSSBox:

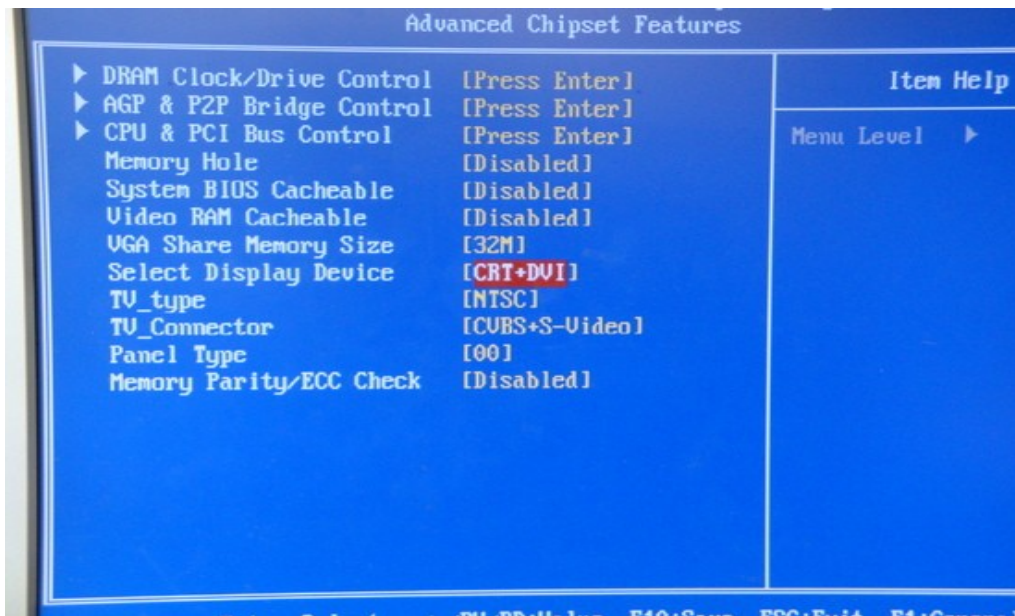
- DVI
- AV-Out
- S-Video Out
- Component (Pr/Pb/Y) Out
- D-SUB (VGA) Out (needs adapter)



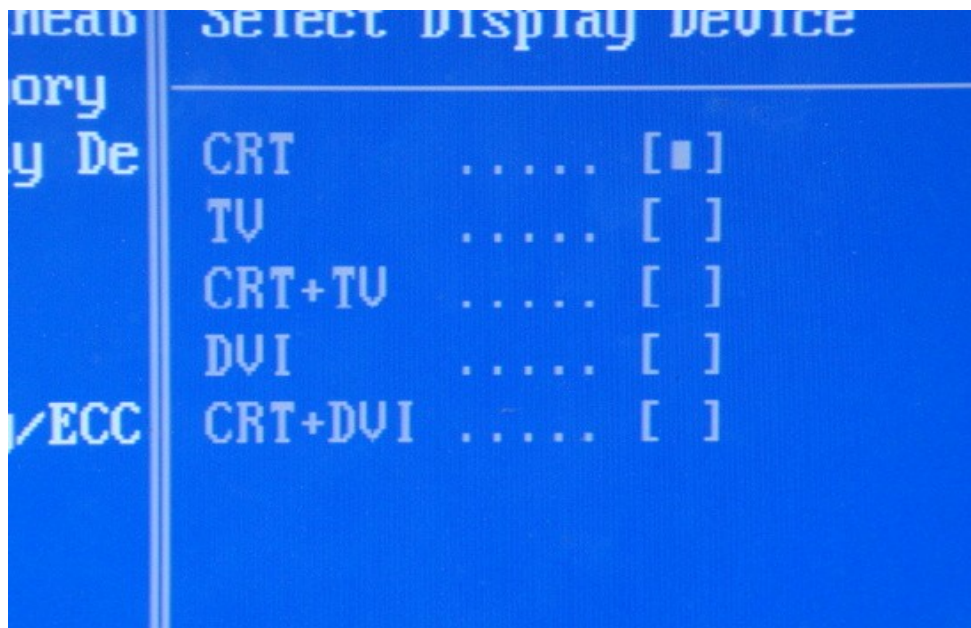
- BIOS Settings
Different output formats require its own settings in BIOS
Press DEL to enter into BIOS and select Advanced Chipset Features



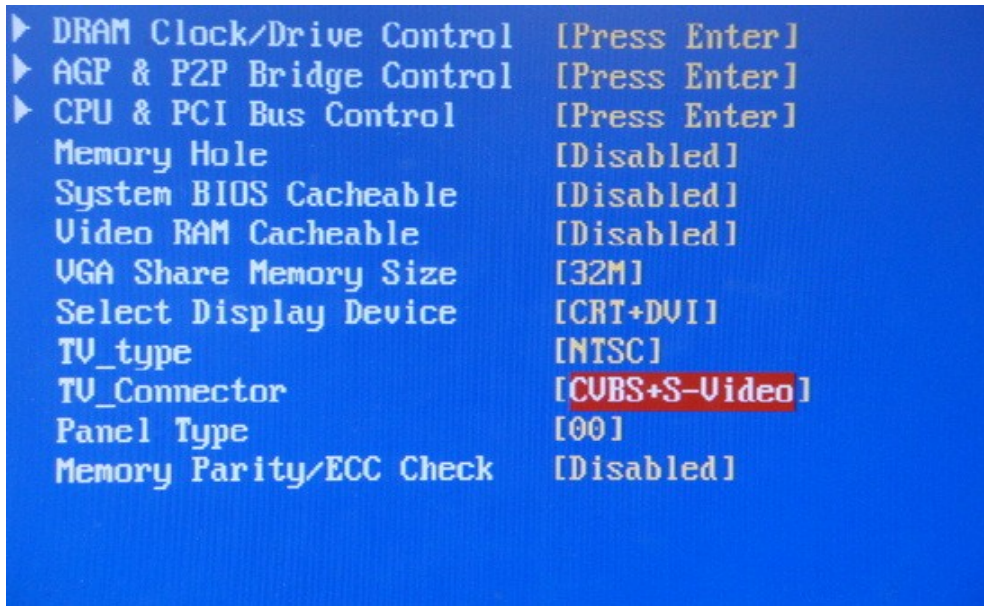
- Select Display Device



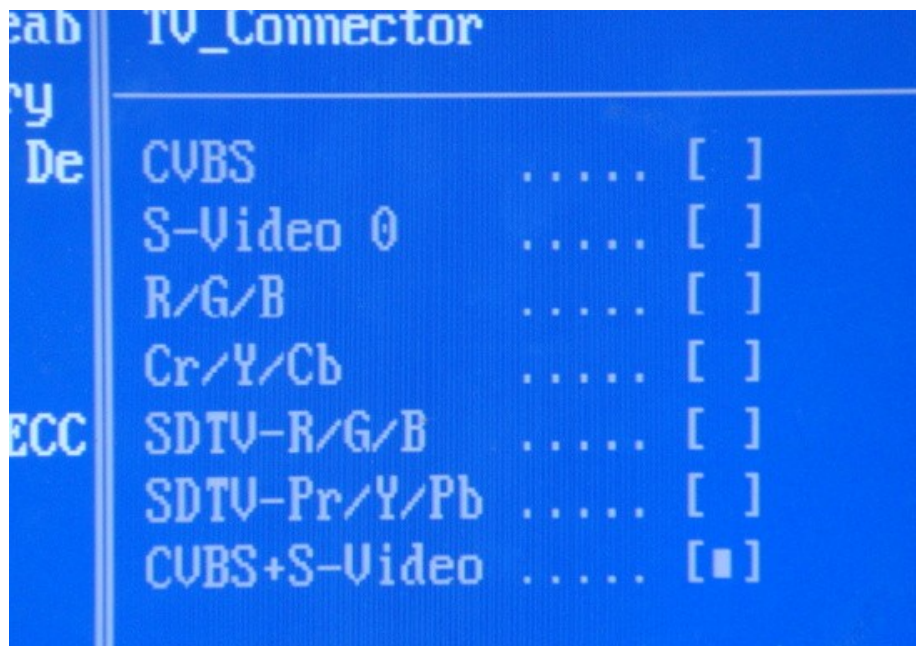
- Make selections depending on different output needs:
 DVI Select DVI to fit DVI format
 CRT Select VGA to fit CRT format
 TV Select TV to fit Component-Video, AV, S-Video formats



- If the screen color is incorrect when using component-video out, re-enter into BIOS to select TV_Connector in Advanced Chipset Features



- Please select the input format that your monitor accepts.



- Save settings before exit.

About us

Huang Chung Electronics Ltd is a professional business agent of ASUS, ACER, HP and MSI. We manage to make the maximal profit of every product for our suppliers with our professional business means and the support of the original manufacturers, which lead to a three-win situation among us, the suppliers and the dealers. We have been focused on the 3C market, especially the products of mini PC, Barebone System and UMPC. In recent years, we expanded our influence to other areas other than the 3C market. We successfully produced a series of complete sets of products in the communication aspect. Besides these, we also produce the 3C related accessories basing on our own research, such as multi-purpose car charger, Bluetooth adapter, AC adapter, etc. The creative spirit of making our products Easy in use, Effective in work and Elegant in appearance has lead us a long way to what we are today.

Any reliable and interested corporations around the world are welcome to be our business partner. Please contact us by any of the methods followed:

Huang Chung Electronics Ltd.

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