

**OpenSUSE 11.2 (Intel 945GSE)**

**X.Org X Server 1.6.5**

**Kernel: 2.6.31.5-0.1-desktop**

### **Install History**

1. Using Failsafe mode to login
2. <Ctrl>+<Alt>+<Backspace> and select console mode to close X window
3. cp /etc/X11/xorg.conf.install /etc/X11/xorg.conf or use "X --configuration" to create xorg.conf file.
4. Test the xorg.conf setting, "X --configure /etc/X11/xorg.conf"
5. reboot
6. #YaST2 --i gcc
7. #YaST2 --i make
8. install realtek-linux-audiopack-4.07b.tar.bz2 driver
9. install Idealtex touch driver (RS232)

### **Trouble Shooting**

1. Use the "setserial --g /dev/ttyS?" command to list the serial ports. That should be 6 serial ports on the system.
2. If the serial ports is not correctly, you can add the "8250.nr\_uares=6" on the kernel line (/boot/grub/menu.lst).
3. Use the "od --h --w10 </dev/ttySX" to check the device is working. (X means the serial port number, COM5=ttyS4, X=4)

## xorg.conf

Section "Device"

Identifier "vesa"

Driver "vesa"

EndSection

Section "Screen"

Identifier "vesa"

Device "vesa"

EndSection

Section "ServerLayout"

Identifier "Layout"

#Screen "vboxvideo"

#Screen "vmware"

#Screen "cirrus"

#Screen "fbdev"

Screen "vesa"

InputDevice "Touchscreen0" "SendCoreEvents"

EndSection

Section "InputDevice"

Identifier "Touchscreen0"

Driver "xfdrvtouch"

Option "Device" **"/dev/ttyS4"**

Option "ScreenNo" "0"

Option "Rotation" "0"

Option "SwapY" "0"

Option "DebugLevel" "0"

Option "UpSound" "1"

Option "DownSound" "1"

Option "RightButtonON" "1"

EndSection