

The Vortex86MX+ (PMX057/089T) platform Touch pad installation guide

Platform: Vortex86MX+ (PMX057/089T)

Touch controller: TI TSC2006

After the system (Debian/Ubuntu) be installed on the PMX, be sure to install the VGA driver first and follow the steps to activate the touch function of PMX platform.

- Unzip the downloaded VGA driver and copy the rdc_drv.so that X server matched into the system folder `/usr/lib/xorg/modules/drivers/`
[ftp://vxmxplus:gc301@ftp.dmp.com.tw/Drivers/Linux/M2012_Xorg_Driver & Utility_R0.0.2.zip](ftp://vxmxplus:gc301@ftp.dmp.com.tw/Drivers/Linux/M2012_Xorg_Driver_&Utility_R0.0.2.zip)

```
# sudo su
# cp rdc_drv.so /usr/lib/xorg/modules/drivers/
# /etc/init.d/gdm stop
# X -configure
# cp /root/xorg.conf.new /etc/X11/xorg.conf
# /etc/init.d/gdm restart
```

- To install the kernel 2.6.34.10-vortex86-sg-1.3 that we provided as follow link:
ftp://vxmxplus:gc301@ftp.dmp.com.tw/Drivers/Linux/TSC2006/linux-image-2.6.34.10-vortex86-sg_1.3_i386.deb

The instructions:

```
# dpkg -i linux-image-2.6.34.10-vortex86-sg_1.3_i386.deb
# update-initramfs -k 2.6.34.10-vortex86-sg -c
# update-grub
```

- Download and install the touch screen driver from below link, and be sure to choose the PS/2 as the interface of touch screen.
<ftp://vxmxplus:gc301@ftp.dmp.com.tw/Drivers/Linux/TSC2006/eGalaxTouch-3.05.5025-32b-k26.tar.gz>

```
# sh setup.sh
```

```
(*) Linux driver installer for eGalax Touch controller
```

```
(I) Check user permission: root, you are the supervisor.
```

```
(I) Begin to setup the eGalax Touch driver.
```

```
(I) Extract eGalax Touch driver archive to /usr/local/eGalaxTouch32.
```

```
(I) Create eGalaxTouch utility shortcut in /usr/bin.
```

```
(I) Create TKCal tool shortcut in /usr/bin.
```

```
(I) Check X window version: 1.6.x
```

```
(I) Copy X module: x16/egalax_drv.so to /usr/lib/xorg/modules/input.
```

```
(Q) Which interface controller do you use?
```

```
(I) [1] RS232 [2] PS/2 [3] USB : << enter 2
```

- Add the parameters into the file `/etc/rc.local`

```
echo -n "serio_raw" > /sys/bus/serio/devices/serio1/drvctl  
exit 0
```

- reboot the system
- To execute the `/usr/local/eGalaxTouch32/eGalaxTouch` to complete the calibration ◦