


공개SW 기술지원 KIPA

한국소프트웨어진흥원
공개SW기술지원센터

<Revision 정보>

일자	VERSION	변경내역	작성자
2007. 5. 4	0.1	초기 작성	손명선

 <p>HTTP://WWW.OSS.ORG.KR</p>	공개SW 기술지원	
	구분 : 기술지원	단계:
	작성자: 손명선	작성일: 2007.5.4
	검토자:	검토일:
	승인자:	승인일:

1. 대상기업/기관 정보

구분	항목	내용	비고
기업/기관 정보	지역	서울시 송파구 가락본동 79-2 KIPA빌딩	
	기업/기관 명칭	KIPA	
	부서	공개SW개발지원팀	
	직책	수석	
	담당자 이름	조유진	
	전화번호 / 팩스번호	02-2141-5451	
	E-Mail		

2. 대상기업/기관 지원사항

구분	항목	내용	비고
기업/기관 지원사항	접수내용	LG Xnote A1 노트북 Linux 설치 지원	
	지원내역	<p>1. 노트북 스펙 파악</p> <ul style="list-style-type: none"> - Model : A1-52500M - CPU : Intel Core Duo U2500 (1.2GHz, FSB 533MHz) - RAM : 1024MB - HDD : 60GB - LCD : 10.6", 1280*768 - VGA : Intel Graphics Media Accelerator 950 - LAN : Agere Systems ET-131x PCI-E Ethernet - WIFI : Intel Corporation PRO/Wireless 3945ABG - Audio : Intel SRS WOW HD sound <p>2. Booyo 2.5 Linux 배포판 설치</p> <p>3. O/S 환경 파악</p> <ul style="list-style-type: none"> - 기본지원 되는 장치 : 무선랜, 오디오, 터치패드 - 추가 설치가 필요한 장치 : VGA(1280x768 해상도 지원 안됨), 유선LAN(인식안됨) 	

		<ul style="list-style-type: none"> - Kernel : 2.6.18-1.2849.booyo.bd.100smp - dmesg 확인 - Video 드라이버 및 LAN 드라이버 확인 - lspci로 장치 확인 <p>00:00.0 Host bridge: Intel Corporation Mobile 945GM/PM/GMS/940GML and 945GT Express Memory Controller Hub (rev 03)</p> <p>00:02.0 VGA compatible controller: Intel Corporation Mobile 945GM/GMS/940GML Express Integrated Graphics Controller (rev 03)</p> <p>00:02.1 Display controller: Intel Corporation Mobile 945GM/GMS/940GML Express Integrated Graphics Controller (rev 03)</p> <p>00:1b.0 Audio device: Intel Corporation 82801G (ICH7 Family) High Definition Audio Controller (rev 02)</p> <p>00:1c.0 PCI bridge: Intel Corporation 82801G (ICH7 Family) PCI Express Port 1 (rev 02)</p> <p>00:1c.2 PCI bridge: Intel Corporation 82801G (ICH7 Family) PCI Express Port 3 (rev 02)</p> <p>00:1c.3 PCI bridge: Intel Corporation 82801G (ICH7 Family) PCI Express Port 4 (rev 02)</p> <p>00:1d.0 USB Controller: Intel Corporation 82801G (ICH7 Family) USB UHCI #1 (rev 02)</p> <p>00:1d.1 USB Controller: Intel Corporation 82801G (ICH7 Family) USB UHCI #2 (rev 02)</p> <p>00:1d.2 USB Controller: Intel Corporation 82801G (ICH7 Family) USB UHCI #3 (rev 02)</p> <p>00:1d.3 USB Controller: Intel Corporation 82801G (ICH7 Family) USB UHCI #4 (rev 02)</p> <p>00:1d.7 USB Controller: Intel Corporation 82801G (ICH7 Family) USB2 EHCI Controller (rev 02)</p> <p>00:1e.0 PCI bridge: Intel Corporation 82801 Mobile PCI Bridge (rev e2)</p> <p>00:1f.0 ISA bridge: Intel Corporation 82801GBM (ICH7-M) LPC Interface Bridge (rev 02)</p> <p>00:1f.1 IDE interface: Intel Corporation 82801G (ICH7 Family) IDE Controller (rev 02)</p> <p>00:1f.3 SMBus: Intel Corporation 82801G (ICH7 Family) SMBus Controller (rev 02)</p> <p>02:00.0 Ethernet controller: Agere Systems ET-131x PCI-E Ethernet Controller (rev 03)</p> <p>05:00.0 Network controller: Intel Corporation PRO/Wireless 3945ABG Network Connection (rev 02)</p> <p>06:00.0 CardBus bridge: Texas Instruments PC1xx21/x515 Cardbus Controller</p> <p>06:00.1 CardBus bridge: Texas Instruments PC1xx21/x515 Cardbus Controller</p> <p>06:00.3 Mass storage controller: Texas Instruments PC1xx21 Integrated FlashMedia Controller</p> <p>06:00.4 Class 0805: Texas Instruments</p> <p>PCI6411/6421/6611/6621/7411/7421/7611/7621 Secure Digital Controller</p>	
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		<p>4. Video 드라이버 설치 및 해상도 조정 -> 설치 완료</p> <pre># wget http://www.geocities.com/stomljen/915resolution-0.5.3.tar. gz # tar xvfz 915resolution-0.5.3.tar.gz # cd 915resolution-0.5.3 # make # make install # 915resolution -l Intel 915GM VBIOS Hack : version 0.2 Chipset: 915GM Mode 30 : 640x480, 8 bits/pixel Mode 32 : 800x600, 8 bits/pixel Mode 34 : 1024x768, 8 bits/pixel Mode 38 : 1280x1024, 8 bits/pixel Mode 3a : 1600x1200, 8 bits/pixel Mode 3c : 1920x1440, 8 bits/pixel Mode 41 : 640x480, 16 bits/pixel Mode 43 : 800x600, 16 bits/pixel Mode 45 : 1024x768, 16 bits/pixel Mode 49 : 1280x1024, 16 bits/pixel Mode 4b : 1600x1200, 16 bits/pixel Mode 4d : 1920x1440, 16 bits/pixel Mode 50 : 640x480, 32 bits/pixel Mode 52 : 800x600, 32 bits/pixel Mode 54 : 1024x768, 32 bits/pixel Mode 58 : 1280x1024, 32 bits/pixel Mode 5a : 1600x1200, 32 bits/pixel Mode 5c : 1920x1440, 32 bits/pixel Mode 60 : 1280x770, 8 bits/pixel Mode 61 : 1280x770, 16 bits/pixel Mode 62 : 1280x770, 32 bits/pixel Mode 63 : 512x771, 8 bits/pixel Mode 64 : 512x771, 16 bits/pixel Mode 65 : 512x771, 32 bits/pixel</pre>	
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		<pre># /usr/sbin/915resolution 58 1280 768 # 915resolution -l Intel 915GM VBIOS Hack : version 0.1 Chipset: 915GM Mode 30 : 640x480, 8 bits/pixel Mode 32 : 800x600, 8 bits/pixel Mode 34 : 1024x768, 8 bits/pixel Mode 38 : 1280x1024, 8 bits/pixel Mode 3a : 1600x1200, 8 bits/pixel Mode 3c : 1920x1440, 8 bits/pixel Mode 41 : 640x480, 16 bits/pixel Mode 43 : 800x600, 16 bits/pixel Mode 45 : 1024x768, 16 bits/pixel Mode 49 : 1280x1024, 16 bits/pixel Mode 4b : 1600x1200, 16 bits/pixel Mode 4d : 1920x1440, 16 bits/pixel Mode 50 : 640x480, 32 bits/pixel Mode 52 : 800x600, 32 bits/pixel Mode 54 : 1024x768, 32 bits/pixel Mode 58 : 1280x768, 32 bits/pixel Mode 5a : 1600x1200, 32 bits/pixel Mode 5c : 1920x1440, 32 bits/pixel Mode 60 : 1280x770, 8 bits/pixel Mode 61 : 1280x770, 16 bits/pixel Mode 62 : 1280x770, 32 bits/pixel Mode 63 : 512x771, 8 bits/pixel Mode 64 : 512x771, 16 bits/pixel Mode 65 : 512x771, 32 bits/pixel # vi /etc/X11/xorg.conf Section "Screen" Identifier "Screen0" Device "Videocard0" Monitor "Monitor0" DefaultDepth 24</pre>	
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		<pre> SubSection "Display" Viewport 0 0 Depth 16 Modes "800x600" "640x480" EndSubSection SubSection "Display" Viewport 0 0 Depth 24 Modes "1280x768" EndSubSection EndSection # vi /etc/rc.local #!/bin/sh # # script with local commands to be executed from init on system startup # # Here you should add things, that should happen directly after booting # before we're going to the first run level. # /usr/bin/915resolution 58 1280 768 # restart </pre>	
		<p>5. 유선 LAN 드라이버 설치 -> 테스트 및 설치 완료</p> <pre> #wget http://wiki.berndlux.de/lib/exe/fetch.php/linux:et131x-1.2.3-20070125-blux.tar.gz?id=linux%3Alg-m1-3dgag&cache=c ache # tar xvfz et131x-1.2.3-20070125-blux.tar.gz # cd et131x-1.2.3-blux/ # vi Makefile # make # make modules install # insmod et131x.ko </pre>	

		<pre># depmod -a # modprobe et131x # cp et131x.ko /lib/modules/2.6.18-1.2849.booyo.bd.100smp/kernel/drivers/net/ # ifconfig -a # ifconfig eth1 10.1.1.1 # ifconfig # ifconfig eth1 down # vi /etc/modprobe.conf alias eth0 et131x alias eth1 ipw3945 alias snd-card-0 snd-hda-intel options snd-card-0 index=0 options snd-hda-intel index=0 remove snd-hda-intel { /usr/sbin/alsactl store 0 >/dev/null 2>&1 : }; /sbin/modprobe -r --ignore-remove snd-hda-intel # cd /etc/sysconfig/network-scripts/ # vi ifcfg-eth0 DEVICE=eth0 #IPADDR=210.183.235.120 #NETMASK=255.255.255.0 #NETWORK=127.0.0.0 # If you're having problems with gated making 127.0.0.0/8 a martian, # you can change this to something else (255.255.255.255, for example) #BROADCAST=127.255.255.255 ONBOOT=yes DOMAIN= DHCP_HOSTNAME= HWADDR= BOOTPROTO=dhcp TYPE=Ethernet ESSID= CHANNEL=1</pre>	
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		<pre> MODE=?없음 RATE=?없음 USERCTL=no IPV6INIT=no PEERDNS=yes # vi ifcfg-eth1 DEVICE=eth1 IPADDR=10.1.1.1 NETMASK=255.255.255.0 #NETWORK=127.0.0.0 # If you're having problems with gated making 127.0.0.0/8 a martian, # you can change this to something else (255.255.255.255, for example) #BROADCAST=127.255.255.255 ONBOOT=yes DOMAIN= DHCP_HOSTNAME= HWADDR= BOOTPROTO=static TYPE=Wireless ESSID= CHANNEL=1 MODE=?없음 RATE=?없음 USERCTL=no IPV6INIT=no PEERDNS=yes # reboot </pre>	
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