

Vortex86 Series Linux Support List For Linux Distributions

Last update: 2019/04/24

Linux Versions	Default Kernel	VDX	VMX+	VDX2	VEX	VDX3	VEX2
Debian_4.0	2.6.18	•	•	•	•	/	/
Debian_5.0	2.6.26	◦	◦	◦	• ※LAN disabled	• ※noehci+stdIDE	/
Debian_6.0	2.6.32	◎	◎	◎	◎	◎ ※noehci+stdIDE	/
Debian_7.0	3.2.0-4	◎	/	•	•	• ※noehci+stdIDE	/
Debian_8.0	3.16.x	•	/	•	•	• ※noehci+stdIDE	• ※No GNOME support
Debian_9.0	4.9.0	/	/	/	/	• ※noehci+stdIDE	• ※No GNOME support
Ubuntu_8.04	2.6.24-19	◦	◦	◦	◎	◎ ※noehci+stdIDE	◎
Ubuntu_8.10	2.6.27-11	◦	◦	◦	◎	/	/
Ubuntu_9.04	2.6.28-11	◦	◦	◦	◎	/	/
Ubuntu_10.04	2.6.32	◦	•	◦	•	◦	•
Ubuntu_10.10	2.6.35-30	Not Supported	Not Supported	Not Supported	Not Supported		
Ubuntu_12.04		/	/	◦	/	◦	•
gOS (good OS)		◦	◦	◦		/	/
Gentoo_4.2	3.10	/	/	/	•	/	/
Lubuntu 16.04	4.4	/	/	/	/	◦	/
Lubuntu 18.04	4.15	/	/	/	/	◦	/
OpenSUSE_11.4	2.6.37	•	•	•	•	/	/

Fedora Core 5	2.6.16	○	●	●	●	/	/
Fedora 10	2.6.27	◎ ※Text mode only	◎	◎	◎	/	/
Fedora 11	2.6.29.4	Not Supported	Not Supported	◎	Not Supported	/	/
Fedora 12 (i686)		Not Supported	Not Supported	Not Supported	Not Supported	Not Supported	/
Fedora 17 (i686) Live CD version		/	/	/	/	/	/
Tiny Core Linux 3.7.1		●	●	●			
Tiny Core Linux 4.2		●	●	●			
Tiny Core Linux 9	4.14	/	/	●	●	●	
WattOS warp30 (Ubuntu8.10)	2.6.27-11	○	●	●	●		
Buildroot				○	○	○	
CentOS_5.5	2.6.16	○	○	○	○		
CentOS_6.0 (i686)	2.6.32-358.el6	Not Supported	Not Supported	Not Supported	Not Supported	※1G memory is necessary	

○: System transplanted from a standard platform.

●: Installation process straightly.

◎: IDE Function (Standard compatible function) enabled is necessary.

Kernel Package (for DX, MX, MX+/DX2):

2.6.30 Ver.1.0 (no APM): [Linux-image-2.6.30-vortex86mx_1.0_i386.deb](#) (no APM)

2.6.30 Ver.1.1 (APM): [linux-image-2.6.30-vortex86mx-apm_1.1_i386.deb](#) (APM)

2.6.30 Ver.1.3 (APM): [linux-image-2.6.30-vortex86mx-apm_1.3_i386.deb](#) (APM) (EETI new touch supported)

2.6.34.10 Ver.1.2: [linux-image-2.6.34.10-vortex86-sg_1.2_i386.deb](#) D

2.6.34.10 Ver.1.3: [linux-image-2.6.34.10-vortex86-sg_1.3_i386.deb](#)

2.6.34.11 Ver.1.1: [linux-image-2.6.34.11-vortex86-sg_1.1_i386.deb](#) (2012/04/16, **test version**, fbcon, lpt IRQ enabled)

2.6.32-21: [linux-image-2.6.32-21-vortex86_2.6.32-21.32_i386.deb](#) (For Ubuntu 10.04 & Debian 6.0 on VMX+/VFX2 Platform)

2.6.34.10 Ver.1.4: [linux-image-2.6.34.10-vortex86-sg_1.4_i386.deb](#) (uinput, evdev, enabled)
3.8.13 Ver1.0: (2013/06/01, test version)

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Kernel Source/Header File:

2.6.30: [linux-2.6.30-vortex86mx.tar.bz2](#)
2.6.30 Ver.1.1: [linux-source-2.6.30-vortex86mx_1.1_all.deb](#)
2.6.30-apm Ver.1.1: [linux-source-2.6.30-vortex86mx-apm_1.1_all.deb](#)
2.6.34.1: [linux-2.6.34.1-vortex86-sg.tar.bz2](#)
2.6.34.10 Ver.1.2: [linux-source-2.6.34.10-vortex86-sg_1.2_all.deb](#)
2.6.34.11: [linux-2.6.34.11.tar.bz2](#)
2.6.32-21: [linux-headers-2.6.32-21-vortex86_2.6.32-21.32_i386.deb](#) (For Ubuntu 10.04 & Debian 6.0 on VMX+/VDX2 Platform)

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Specific Kernel Release:

For CentOS 5.5: [CentOS5.5_2.6.36-2.i586](#)
For Tiny Core Linux 4.2: [vmlinuz-tcl42.zip](#)

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Kernel Configuration/Patch:

Kernel 2.6.30: [Config-2.6.30-vortex86mx & patch-2.6.30-vortex86mx](#)
Kernel 2.6.34: [Config-2.6.34-vortex86-sg-r1](#)
Kernel 3.2, R6040 MDIO unique name and delay: [patch_R6040_for_kernel_3.2.tar](#)
VEX, EHCI reset (Coreboot): [patch-3.10.55-vex_ehci.gz](#)

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VGA Drivers:

VDX: [XGI_Z9S_R2_Xorg.zip](#)
VDX (Frame Buffer): [xgifb_Z_x86_092_04202010.tgz](#)
VMX: [RDC_Xorg_Driver_R0.0.9.zip](#)
VMX: [M2010_Xorg_Driver & Utility_R0.0.12.zip](#) (2013/02/21)
VMX+/VDX2: [M2012_Xorg_Driver&UtilityR0.0.2.zip](#) (2011/10/11)
VMX+/VDX2: [M2012_Xorg_Driver & Utility_R0.0.4.zip](#) (2012/04/16, Xorg 1.5.x~1.9.x)
VMX+/VDX2: [M2012_Xorg_Driver & Utility_R0.0.8.zip](#) (2013/02/21, Xorg 1.7.x, 1.8.x, 1.9.x)
VMX+/VDX2: [M2012_Xorg_Driver & Utility_T0.0.9_1.zip](#) (2013/07/26, Xorg 1.12.4)
VMX+/VDX2: [M2012lite_Xorg_Driver & Utility_T0.0.0_1.zip](#) (2013/07/26, for Gentoo Linux only, Xorg 1.13.3)
VEX (A9160): [A9160_Xorg_Driver & Utility_R0.0.1.zip](#) (2014/10/9, Xorg 1.10.x, 1.11.x, 1.12.x)
VDX3 (M2015): [M2015_Xorg_Driver & Utility_R0.0.1.zip](#) (2014/12/29, Xorg 1.10, 1.11, 1.12)

Ethernet R6040:

R6040 (Use for Kernel version: 2.4.24~2.6.27): [r6040-1.tar.gz](#)

R6040 For SUSE 11.04: [r6040_SUSE.zip](#)

R6040 For Fedora Core 10 (2.6.27.5-117): [r6040_Fedoracore10.zip](#)

Patch file of instruction cmov (MX, MX+, DX2):

For more information please contact soc@dmp.com.tw

CentOS non PAE iso:

CentOS 6.4 non PAE ISO file: [CentOS6.04-nonPAE.iso](#)

Ubuntu 12.04 non PAE ISO file: [Ubuntu12.04-nonPAE.iso](#)

For more OS Support, please contact soc@dmp.com.tw.