

Vortex86DX, MX, MX+ Platform Ubuntu9.04 installation guide

Preparing:

1) To enable the function "Standard IDE compatible" of BIOS at the first, to make sure the plugged IDE storage is able to be recognized when system installing.

```
Advanced
*****
* IDE Configuration                               * Options
* *****
* OnBoard PCI IDE Controller      [Both]         * Disabled
*                               * Enabled
*
* * Primary IDE Master           [Not Detected] *
* * Primary IDE Slave            [Not Detected] *
* * Secondary IDE Master         [Not Detected] *
* * Secondary IDE Slave          [Not Detected] *
*
*                               *** Options ***
* Hard Disk Write Protect         * Disabled
* IDE Detect Time Out (Sec)      * Enabled
* ATA(PI) 80Pin Cable Detecti*****
* IDE Operate Mode                [Legacy Mode]
* PCI IDE BusMaster               [Enabled]
* Primary IDE Pin Select          [Parallel IDE]
* Hard Disk Delay                 [2 Second]
* Standard IDE Compatible         [Enabled]
* IDE Compatible Selection        [808624DB]
*
*                               * **   Select Screen
*                               * **   Select Item
*                               * +-   Change Option
*                               * F1   General Help
*                               * F10  Save and Exit
*                               * ESC  Exit
*
*****
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```

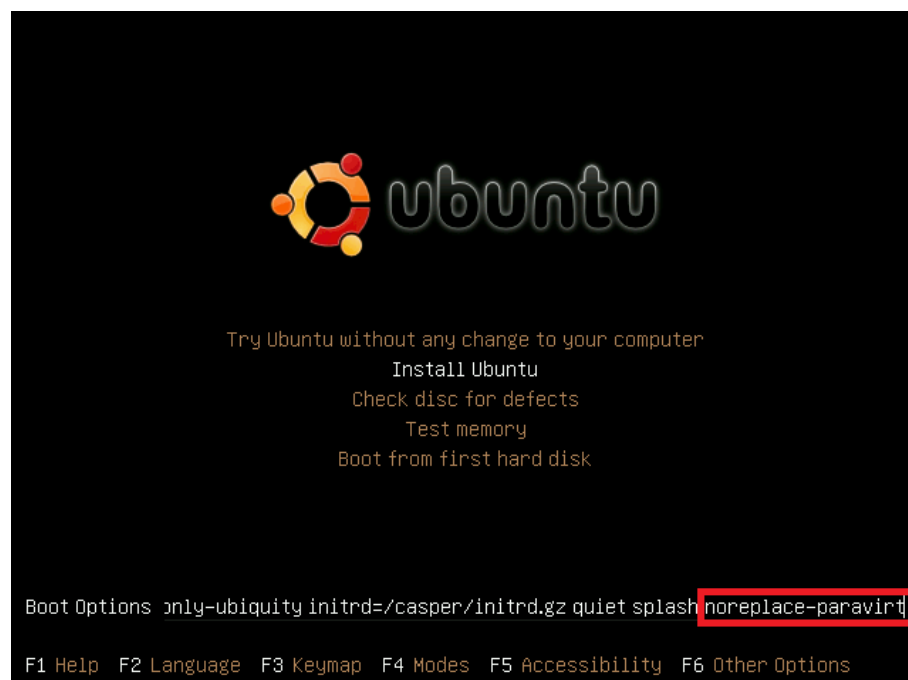
2) Insert the Ubuntu904 installation CD into the USB CD-ROM and press the key F11 when BIOS booting, then choosing the USB-CDROM as the boot device.

```
*****
* Please select boot device:
* *****
* USB:CBM
*
*
* *****
* * and * to move selection
* ENTER to select boot device
* ESC to boot using defaults
* *****
```

3) After booting up, choose the language, and press the key F6 to add parameters for system installation.



Add the parameters "noreplace-paravirt" on the command line as follow after the key F6 was pressed.



5) Complete the installation of Ubuntu 9.04 as normal procedure.

6) After the system installation completed and reboot, press the key ESC to add the parameters `noreplace-paravirt` on the last of kernel line **Ubuntu 9.04, kernel 2.6.28-11-generic** after E key was pressed.

```
Ubuntu 9.04, kernel 2.6.28-11-generic
Ubuntu 9.04, kernel 2.6.28-11-generic (recovery mode)
Ubuntu 9.04, memtest86+
```

Use the ↑ and ↓ keys to select which entry is highlighted.
Press enter to boot the selected OS, 'e' to edit the
commands before booting, or 'c' for a command-line.

```
uuid 66c7574b-0ffe-49fa-a37b-708af8f1be31
kernel /boot/vmlinuz-2.6.28-11-generic root=UUID=66c7574b-0ffe-49fa-→
initrd /boot/initrd.img-2.6.28-11-generic
quiet
```

Use the ↑ and ↓ keys to select which entry is highlighted.
Press 'b' to boot, 'e' to edit the selected command in the
boot sequence, 'c' for a command-line, 'o' to open a new line
after ('O' for before) the selected line, 'd' to remove the
selected line, or escape to go back to the main menu.

```
[ Minimal BASH-like line editing is supported.  For
the first word, TAB lists possible command
completions.  Anywhere else TAB lists the possible
completions of a device/filename.  ESC at any time
exits. ]

<b-0ffe-49fa-a37b-708af8f1be31 noreplace-paravirt ro quiet splash
```

7) Do the same to add the parameters "noreplace-paravirt" on boot kernel line in the file `/boot/grub/menu.lst`.

```
## should update-grub add savedefault to the default options
## can be true or false
# savedefault=false

## ## End Default Options ##

title          Ubuntu 9.04, kernel 2.6.28-11-generic
uuid           66c7574b-0ffe-49fa-a37b-708af8f1be31
kernel         /boot/vmlinuz-2.6.28-11-generic root=UUID=66c7574b-0ffe-49fa-a37
b-708af8f1be31 ro noreplace-paravirt quiet splash
initrd         /boot/initrd.img-2.6.28-11-generic
quiet

title          Ubuntu 9.04, kernel 2.6.28-11-generic (recovery mode)
uuid           66c7574b-0ffe-49fa-a37b-708af8f1be31
kernel         /boot/vmlinuz-2.6.28-11-generic root=UUID=66c7574b-0ffe-49fa-a37
b-708af8f1be31 ro single
initrd         /boot/initrd.img-2.6.28-11-generic

title          Ubuntu 9.04, memtest86+
uuid           66c7574b-0ffe-49fa-a37b-708af8f1be31
kernel         /boot/memtest86+.bin
quiet
```

Done~