

## Re: change screen resolution in wince

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*Source:*

<http://www.tech-archive.net/Archive/WindowsCE/microsoft.public.windowsce.embedded/2007-01/msg00063.html>

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- *From:* "Luc Cool" <[luc\\_cool@xxxxxxxxxxx](mailto:luc_cool@xxxxxxxxxxx)>
  - *Date:* Mon, 08 Jan 2007 08:58:47 GMT
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Hi,

If the vesatest.exe program comes up with some valid resolutions, than you can use the flat vga driver, and the chipset doesn't matter since it is vesa 2.0 compatible (which is a standard).

Could you post the output of that program here?

If your system has the videochip embedded on the motherboard, than usually there is a bios setup feature for the amount of memory used as video memory. If you use a separate video card, the amount of memory depends on the memory chips installed on that card. Sometimes it is possible to plug additional memory chips on the card and increase the amount of video memory that way.

If you have a desktop windows version for the computer you want to use for your CE, than you can install the AIDA32.EXE program. That gives you a lot of information about the system. Also, if on that os the correct video driver is installed, this might give some information about the chipset as well.

Another option is opening the box. Look at the video adapter and note it's brand and type number. Google on the internet to find the spec's of it. If the video chip is on the motherboard, than you should be able to find more information on the website of the motherboard constructor. (HP in your case I believe)

If you use the flat vga driver. (You haven't told us yet) than you change the resolution with the options that go with the loadcepc command line.

regards,

Luc

"vicky" <[vicky\\_dceian@xxxxxxxxxxx](mailto:vicky_dceian@xxxxxxxxxxx)> wrote in message  
<news:1168240817.623430.112900@xx>

thanks for reply ..but how can we get which video chip we are using (if

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not MQ200)..  
and also video memory thing ...can we alter the video memory size like  
you specified 4 MB required....

still did not get how can i change resolution!!!

Thanks  
vishal  
Luc Cool wrote:

Hi,

use the vesatest.exe program to see if your video adapter is vesa 2.0  
compatible and which resolutions are supported.

I start with "loadcepc /L:800x600x16:800x600 nk.bin"

The lowest resolution 320 x 240 is the only one that can use the normal

64Kb

video window in lower memory. This works with almost any video adapter.

If

the requested video mode you add to loadcepc is not supported, then the  
settings will default to that resolution.

I don't think your HP desktop has a MQ200 video chip. If you use the

flat

vga driver for a CEPC platform, the video settings are passed by the  
bootloader to the OS. Also notice that you need twice the video memory

that

you might expect to need for a chosen resolution.

800 x 600 x 16 : you might expect  $800 \times 600 \times 2 = 960000$  bytes.

One line in video memory will be 1024 pixels long instead of 800

$1024 \times 600 \times 16$  :you might expect to need  $1024 \times 600 \times 16 = 1228800$  bytes

For windows CE, you will need 4MB of video memory for this to work.

regards,

Luc

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"vicky" <vicky\_dceian@xxxxxxxx> wrote in message  
news:1168006173.601395.308670@xx

I made an OS image for CEPC and than load it on my Kayak  
HP

desktop....

it works fine but screen resolution is too small...i mean every  
thing  
is appearing too large...

than i tried that "loadcepc\L"..... command during boot time

also i changed in my platform.reg  
[HKEY\_LOCAL\_MACHINE\Drivers\Display\MQ200]  
;;800x600x16  
"CxScreen"=dword:320  
"CyScreen"=dword:258  
"BPP"=dword:10  
"Freq"=dword:3C

but nothing works.....please suggest me i am on wrong track  
or

missed

something  
i am not able to change screen resolution..

my display driver i guess....Matrox graphics millennium  
G200AGP

Thanks  
vishal