

# Re: Poor real time operation in DOS emulation mode

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- *From:* [junkawat@xxxxxxxxxx](mailto:junkawat@xxxxxxxxxx)
  - *Date:* Tue, 25 Sep 2007 18:20:56 -0700
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On 22 áäØPÑè, 03:45, "V Green" <van...@xxxxxxxxxxxx> wrote:

"PSRumbagh" <PSRumb...@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message

[news:86577F1B-3729-4093-B9BD-0FF98D6BF876@xxxxxxxxxxxxxxxxxxxx](mailto:news:86577F1B-3729-4093-B9BD-0FF98D6BF876@xxxxxxxxxxxxxxxxxxxx)

My Compaq Presario V2000 laptop does not have a floppy drive. I made aDOS 6.2 start up CD-ROM for the Presario on my old HP Pavilion 6465 desktop (Circa 1999) which runs on Win98. I set the Presario's BIOS to look first at the CD-ROM. The laptop did boot but the C: drive was not available as it is NTFS. I put QB V4.5 and the data aquisition program, written in QB, on the boot CD. Although the program sort of ran, it could not access the PCMCIA to IEEE-1284 card. This is not the way to go. So, I will run the QB program on the old HP Pavilion under a trueDOSboot as it's C: drive is not NTFS. This is progress?

Yeah, I know...

On older laptops with PCMCIA cards, there wereDOSdrivers for the PCMCIA controller and then another driver for whatever card you stuffed into it.

Those days are long gone, I am afraid, unless you can find a combo of old stuff that will work. Ebay might be your friend here...

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"V Green" wrote:

Try making a floppy "Startup Disk" in W98,  
boot off that and try your app again.

If it's still choppy, you need to jump into the  
Wayback Machine and find "real"DOSsomewhere.

"PSRumbagh"

<PSRumb...@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in  
message

[news:372BFAD0-5834-4092-A6E3-3DF43E596615@xxxxxxxxxxxxxxxxxxxx](mailto:news:372BFAD0-5834-4092-A6E3-3DF43E596615@xxxxxxxxxxxxxxxxxxxx)

I have a HP Pavilion 6465 (Circa 1999)  
desktop that runs on Win98. If I

hold

down the "F8" key on bootup I have a choice  
of booting in Win98, Win98

safe

mode or "Command Prompt Only". Is the  
Command Prompt Only selection a

real

DOSor an emulatedDOS? It loads very fast  
(less than 1 second). Typing

VER

at the prompt returns Windows98 (Version  
4.10.1998). It seems that my

data

acquisition program written in QB V4.5 runs  
with a less choppy output, but  
not perfect.

"HeyBub" wrote:

PSRumbagh wrote:

I have a data acquisition program written in Quick Basic V4.5 that I want to run in theDOSemulation window of WindowsXP. The program outputs 8 bits of data at a continuous rate of 4 KSPS to a DAC for real time waveform generation. The program works OK in a true, pure DOSenvironment where it produces a smooth, continuous waveform. Under WindowsXPthe data comes out in spits and spurts, not continuously. It appears as though Quick Basic V4.5 is getting

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about  
1.25% of  
the  
microprocessor's  
core time  
and the  
DAC output  
is very  
choppy.  
WinXP's Task  
Manager  
says there  
are 63  
processes  
running in  
the  
background.  
Is this  
intermittent,  
choppy  
operation  
because of  
the  
multi-tasking  
nature of  
WinXP? Is  
there any  
way to  
make  
this DOS  
application  
work in  
apparent  
real time  
under  
WinXP? I  
am using  
Tame-Dosto  
speed up  
the DOS application  
and reduce  
the  
microprocessor  
loading.

No. By definition, XP is a  
pre-emptive multi-tasking  
operating system

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(Win98

was the first). XP will  
time-slice available CPU  
cycles between active  
tasks, including those that  
are just waiting, such as  
checking to see if

the

mouse moved in the last few  
nano-seconds.

You need a dedicated  
computer  
running DOS (not XP).

Pay no attention to those  
who swear a Linux box will  
do the job.

Fortunately for you, I have a  
COMPAQ Portable II (286)  
that I'll be

willing

to let go for \$200. —  
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For a complete solutions Checkout  
<http://www.taocomputers.com/english.asp>  
their company is called Tao Computing Solutions. They have a product  
called Tao ExDOS, it's basically a DOS emulator that solves all these  
problems on Windows 2000/Windows XP/Windows 2003 and Windows Vista.

All printing problems including USB printers, Win only printers that  
do not support text ROM fonts. Terminal Server Printing redirection,  
support for all codepages, direct access to hardware, parallel  
dongles, parallel ports, serial ports, full screen font/s, CPU

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Resource manager, Terminal Server full support, Terminal Server  
Printing redirection, Full screen emulation on Vista's Aero interface,  
Printing to LPT1–LPT9, Support for console applications, They have a  
Lite version which captures all printing from DOS applications 100%  
with no TSR's to bug you and use up memory. MINIMAL CPU USAGE !! The  
software takes care of all CPU issues. You will never get 100% CPU  
Used with this software. There is an option to directly from DOS to  
Microsoft Word, HTML, RTF, TXT using the correct codepages, fonts and  
pagination. AMAZING!!! everything I needed in one product. we can all  
keep working with DOS for several years more.