

Re: Why is the ATX PSU designed to standby current?

Source: <http://sci.tech-archive.net/Archive/sci.electronics.design/2005-02/2600.html>

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Date: 02/10/05

Date: Thu, 10 Feb 2005 09:43:05 -0700

"John Larkin" <jjSNIPlarkin@highTHISlandPLEASEtechnology.XXX> wrote in message news:3j2n019uq4ar86lsngmcbvkgat1rdm32gn@4ax.com...

- > > *Unfortunately not all cheap motherboards and other hardware is fully*
- > > *compatible yet with suspend to ram, but hopefully your system is.*
- >
- > *Unfortunately, not all OSs handle this properly. Windows, for example.*

Uhh... I use suspend to ram with Windows 2000, works just fine. I've seen it work just fine with Windows XP as well. When it doesn't work, it is hard to be certain where to place the blame, since suspend to ram requires both hardware and software compatibility. However, in my experience all new versions of Windows support suspend to ram just fine, but sometimes specific hardware and specific applications sometimes have some trouble with it.

- > *Why doesn't Windows suspend to disk? Just copy all of ram to disk and*
- > **fully* shut down, zero power. Restart would take about 2 seconds;*
- > *spin up the disk, restore RAM, run.*

Windows 2000 and surely other versions of Windows also support suspend to disk. Windows 2000 calls it "hibernate." You can access the settings for it (and suspend to ram, and other power saving features) from the icon labeled "Power Options" from the control panel. If I recall correctly even in the days of Windows 95 (or at least 98) the laptop version of those OSes normally also supported suspend to disk. Suspend to disk really isn't as good as suspend to ram though for a desktop computer. It is much slower, especially if you have say 1GB of RAM. Even with a decent hard drive capable of reading at 30MB/sec., that would take over half a minute to load the contents back into RAM (or shut down for that matter). On the plus side though you don't lose all the data in your unclosed applications if the power goes out like with suspend to ram.