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

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From: John Larkin (*jjSNIPlarkin_at_highTHISlandPLEASEtechnology.XXX*)
Date: 02/10/05

Date: Thu, 10 Feb 2005 08:26:42 −0800

On Thu, 10 Feb 2005 03:48:42 −0700, "Fritz Schlunder" <me@privacy.net>
wrote:

>
>"Alan Liefting" <ALiefting@ihug.co.nz> wrote in message
>news:420ABCDC.4070309@ihug.co.nz...
>> I am mystified as to why the ATX PSU was designed so that it draws
>> standby current even while the PC is off. I am a bit of an
>> environmentalist and I find it rather lax of govt agencies to allow this
>> blatent waste of what collectively is a whole stack of CO2 emssions.
>>
>> The only advantage of the current (!!) ATX power supply design is the
>> wake on LAN feature.
>
>
>I would care to differ with the idea that wake on LAN is the only benefit
>the ATX power supply offers. Learn how to configure your computer to use
>suspend−to−ram, and try it out for awhile. Once you've gotten a taste for
>it you will never want to go back.
>
>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.

When you
>suspend to ram all of the contents of your memory remain intact, but all of
>the power hungry equipment of your system turn off (monitor, drives, fans,
>processor, etc.). Power consumption drops dramatically, but your
>motherboard continuously refreshes the ram contents so they aren't lost.

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.

John