

Re: OT? power reqs of DDR2 chips

Source: <http://linux.derkeiler.com/Mailing-Lists/Fedora/2007-05/msg02356.html>

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 - *Date:* Mon, 21 May 2007 23:16:02 -0700
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Dave Stevens <geek@xxxxxxxxxxxxxx> writes:

So the setup I envisage is a pair of SATA drives in Raid 0, to get better access speed, and a single matching SATA outside the RAID array as the nightly backup device. I plan to use a signalling UPS. So a worst case occurs when there is a power failure – the UPS signals the gadget which immediately starts to save all the work in progress. I think this will exercise the RAM pretty briskly and at that particular point I want to make sure there is enough power supply, hence the question.

In that case I don't understand why you are bothering with the dram's power. Just about everything else in the system is a more significant drain. And no, your disks, even when streaming aren't going to be *anywhere* near dram throughput speeds. You do realize disks are still limited to ~70Mbytes/sec when writing contiguous sectors? Under real FS conditions you'd be lucky to see half of that. Dram will be in the low to mid single-digit gigabyte/sec range.

If I were you I'd buy a power meter, measure the actual power and then get yourself a UPS scaled accordingly. Remember Volt-Amps as defined by the UPS folks is approx. 0.6 watts. Even at that, they only really want you to run it at half load. For a measured load of 200watts I'd get an 800volt-amp unit.

OB Fedora: The APC Back-UPS RS-1500 usb connected UPS is detected just fine and with apcupsd even shuts the computer down cleanly after a power failure.

–wolfgang

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Wolfgang S. Rupprecht <http://www.wsccc.com/wolfgang/>

Hints for IPv6 on FC6 <http://www.wsccc.com/wolfgang/fedora/ipv6-tunnel.html>

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fedora-list mailing list

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