

USB interface question.

Source: <http://sci.tech-archive.net/Archive/sci.electronics.design/2006-06/msg02249.html>

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 - *Date:* 10 Jun 2006 02:06:51 -0700
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I'm newbie at USB, if someone can help it would be wonderful:

I'm envisioning a gadget that would take input from a USB port on a PC (or any USB host). And it would act as a UPS for four downstream USB devices, providing currents upto 1A.

In other words, the gadget would have 4 USB sockets for output, capable of providing upto 1A to devices connected to it.

I have done some reading on USB but would like to ascertain whether the gadget needs to have a controller / or can it be a passive device, as far as the USB interface circuitry is concerned ?

(of course, the gadget would have its own separate supply, from where it will derive the UPS power)

-Mike