

# Re: How to make a USB 2.0 male x male data link

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*Source:* <http://sci.tech-archive.net/Archive/sci.electronics.repair/2008-04/msg01393.html>

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  - *Date:* Fri, 25 Apr 2008 10:16:36 -0400
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dBc wrote:

Greetings "ctops.legal" et. al...

I couldn't agree with Jerry more! Even if configured for data transfer, USB is bandwidth limited for data of any substantial size. This is why our networks have notoriously been Ethernet based. The good thing about two computers that sport an Ethernet connection is you don't require a hub or a switch if you merely want to connect the two together.

In front of me right now is a Belkin package for a CAT5e Crossover cable M/N: T3532G/A. Many other companies are making the same type of cable – probably for less money. Connect this cable between two computers having an Ethernet port and you'll typically have 10 or 100MBit/sec. connection and something less than that regarding the actual data transfer, considering the overhead, but it will usually be more than adequate for PC use. This is the way to establish data transfer at a better bandwidth with a protocol that was established for broadband reliable data transfer.

That's ok if both computers have an Ethernet port. If they don't, you have to install a network card, and configure them to the same networks. I have the software and active USB interface that installs and works in minutes, without changing the network configuration. It has a USB power processor that handles the data transfer, and handshaking. I have found a cheap one that works OK at a 'Dollar Tree' store, for a dollar, plus sales tax. I gave them to friends who wanted to borrow the expensive one, and they worked fine.

[http://www.usb.org/about/usb\\_nomenclature](http://www.usb.org/about/usb_nomenclature) states that USB currently has a maximum data rate of 480 Mb/s, or almost five times that of 100 Mb/s Ethernet. Also, keep in mind that the actual data rates are about 20 MB/s and 40 MB/s

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These are both burst rates, because no PC can maintain those data rates on a continuous basis.

Cheers,  
Mr. Mentor

If you want to claim 'mentor' status, please give all the facts, not just your personal preferences. If someone wants to copy an entire hard drive, there are better ways, but to move some files between computers, either works OK. In the shop, I use a USB wireless internet to install software from the shop server, since there are places I haven't finished the network cabling. I have the advantage of being able to set up a computer anywhere there is enough space to work, without worrying about finding a free ethernet port.

<http://www.lyberty.com/tech/terms/usb.html> has a comparison chart for the common interfaces, and versions.

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<http://improve-usenet.org/index.html>

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