

# Re: ethernet card

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*Source:* <http://sci.tech-archive.net/Archive/sci.electronics.repair/2005-11/msg00294.html>

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- *From:* CJT <[abujlehc@xxxxxxxxxxxx](mailto:abujlehc@xxxxxxxxxxxx)>
  - *Date:* Sun, 06 Nov 2005 19:49:36 GMT
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CJT wrote:

Geoffrey S. Mendelson wrote:

In article <436CF621.70004@xxxxxxxxxxxx>, CJT wrote:

You sure about that? My recollection is that Gigabit uses all 8.

I'll check, I've don't think so, but occasionally I'm wrong. :-)

I Google'd for it, and this is the first reference I found. But I'm fairly certain I've read it elsewhere, too, including in a textbook on networking:

<http://www.hardwaresecrets.com/article/231/2>

FWIW, here's a cite with a little more impressive credentials:

[http://www.cisco.com/en/US/tech/tk389/tk214/tech\\_digest09186a0080091a86.html](http://www.cisco.com/en/US/tech/tk389/tk214/tech_digest09186a0080091a86.html)

Re: ethernet card

Not sure what you mean by that. The electronics can't tell whether you (consistently) swap the white+color and color, as long as you keep the pairings intact. But they will certainly balk at mixing a wire from one pair with a wire from another pair.

Yes, that's true.

If by "direction" you mean X vs II, then it's probably a switch. Or do you mean duplex?

All 10/100 hubs are by switches. How else could they adjust the speed?

Not so. They can adjust the speed just as a switch does. The main difference is that a hub lacks the logic to be selective about where it forwards packets, and as a result doesn't need to maintain tables of MAC addresses.

Geoff.

Re: ethernet card

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The e-mail address in our reply-to line is reversed in an attempt to minimize spam. Our true address is of the form che...@xxxxxxxxxxxxx

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