

Re: Connecting 2 PCs to broadband with router

Source:

http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.network_web/2005-10/msg00594.html

- *From:* "Blair" <darrach@xxxxxxxxxx>
 - *Date:* Tue, 18 Oct 2005 06:46:11 +0100
-

"Chuck" <none@xxxxxxxxxx> wrote in message
news:6jl7l1holcnk6i66ccqu384cpdmuh425ou@xxxxxxxxxx
> On Mon, 17 Oct 2005 17:30:52 +0100, "Blair" <darrach@xxxxxxxxxx> wrote:
>
>>>
>>> OK, now it does indeed make sense. The ZyXEL 660H, like most gateways
and
>>> routers, has 4 Ethernet ports for networking.
>>>
>>> Ethernet is the more common networking Data Link component, with
Ethernet
>>> drivers built in to Windows networking. USB is a general purpose
>> cabling – used
>>> for stuff like keyboards, mice, and monitors for instance – and
requires
>> drivers
>>> specific to everything connected.
>>>
>>> With an Ethernet cable, both ends are electrically identical, so
Ethernet
>> can be
>>> used to connect any 2 devices which have Ethernet ports. USB ports are
>> not
>>> identical on both ends. AFAIK, a USB cable requires a computer on the
>> Host end
>>> (where the drivers are loaded), and a hub or peripheral on the Guest
end.
>> I
>>> don't think that there are any routers which substitute for computers
by
>>> providing a Host port for a USB cable.
>>>
>>> You can, however, get USB to Ethernet printer servers, such as the
Linksys
>>> WPS54G, which will manage your printer and provide Ethernet (or WiFi)
>>> connectivity. You connect your printer to the print server, and the
print

Re: Connecting 2 PCs to broadband with router

>>> server, by Ethernet, to the gateway / router. Epson also appears to make
>>> printer servers, but I'm not sure if any are for USB connected printers.
>>>
>
><<http://www.linksys.com/servlet/Satellite?childpagename=US%2FLayout&packedar>
>
>gs=c%3DL_Product_C2%26cid%3D1114037289494%26site%3DUS&pagename=Linksys%2FCo
>m
>>mon%2FVisitorWrapper>
>>>
>>> --
>>> Cheers,
>>> Chuck, MS-MVP [Windows - Networking]
>>> <http://nitecruZR.blogspot.com/>
>>> Paranoia is not a problem, when it's a normal response from experience.
>>> My email is AT DOT
>>> actual address pchuck mvps org.
>>
>>Thanks for your reply--the fog is beginning to clear ! .
>>But my position is this-- At present I have a network with a crossover cable
>>which allows me to share files but also to share the printer.
>>The only limitation is that I require to have the host PC on in order to
>>operate the client PC
>>When I fit a router/modem this will enable the PCs to operate independently.
>>The question is if I leave the printer connected to the host PC via a USB
>>connector will the network I have set up allow the other PC to access the
>>printer.?
>>Secondly if I only have two PCs is there any point in having 4 Ethernet
>>ports? Surely I only need one?
>>Blair
>
> Blair,
>
> When you share a printer by attaching it to a computer, the computer will have
> to be on for you to access the printer from any other computer. That's the
> advantage of having a router (for sharing Internet service), or a print server
> (for sharing a printer) -- to remove a host computer from the necessity of being
> online all the time.
>
> If you have a printer connected to both a print server and a host computer, the
> host computer will access the printer directly. All of the other

Re: Connecting 2 PCs to broadband with router

computers can

- > access the printer thru the print server, and the host computer will not have to
- > be on for the print server to be used.
- >
- > If you have 2 computers, you need 2 Ethernet ports. You can't buy routers with
- > an exact port count for your current computer population. It never hurts to
- > have a spare anyway, for problem analysis – sometimes a port may fail, so a
- > spare is not a bad thing to have.
- >
- > --
- > Cheers,
- > Chuck, MS-MVP [Windows – Networking]
- > <http://nitecruzr.blogspot.com/>
- > Paranoia is not a problem, when it's a normal response from experience.
- > My email is AT DOT
- > actual address pchuck mvps org.

Thanks again Chuck.

The fog has finally cleared thanks to you.

Regards

Blair

• **Follow-Ups:**

- ◆ **Re: Connecting 2 PCs to broadband with router**
◇ From: Chuck

• **References:**

- ◆ **Re: Connecting 2 PCs to broadband with router**
◇ From: Blair
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◇ *From:* Blair

◆ ***Re: Connecting 2 PCs to broadband with router***

◇ *From:* Chuck

- Prev by Date: ***Re: Connecting two wireless networks?***
- Next by Date: ***Re: Connecting 2 PCs to broadband with router***
- Previous by thread: ***Re: Connecting 2 PCs to broadband with router***
- Next by thread: ***Re: Connecting 2 PCs to broadband with router***
- Index(es):
 - ◆ ***Date***
 - ◆ ***Thread***