

Re: Can a USB driver exposed functions like RS232 COM port?

## Re: Can a USB driver exposed functions like RS232 COM port?

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*Source:*

<http://www.tech-archive.net/Archive/WindowsCE/microsoft.public.windowsce.platbuilder/2006-06/msg00725.html>

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- *From:* Pranav <[Pranav@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:Pranav@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx)>
  - *Date:* Tue, 20 Jun 2006 15:54:02 -0700
- 

Hi Paul,

Thanks for your response. I explored goolge, can you please answer one more question?

I read about MS's ActiveSync program, was it doign some thing similar to what I am looking for? I mean a Serial Appliation S/W talk to USB port?

regards,

Pranav

"Paul G. Tobey [eMVP]" wrote:

OK, so it's a "tablet-type device", not a "Tablet PC". "Tablet PC" runs XP Tablet PC Edition.

In any case, you should be able to do this, but you'll need hardware to make the connection from USB to the serial port connected to whatever is on the other end of the connection. Who is going to generate, for example, the handshaking signals? That has to be done via hardware. Once you have your hardware designed, you can create a USB class driver which makes your cable or box or whatever it ends up being appear as COMx: to the Windows CE device. As far as I can think, there are no example drivers for doing this or any USB-to-serial adapters with Windows CE drivers, though. You might search the archives of this group using GoogleGroups at [groups.google.com](http://groups.google.com) (search `microsoft.public.windowsce.*`, just in case), and see whether there are any such devices with CE drivers.

Paul T.

"Pranav" <[Pranav@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:Pranav@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx)> wrote in message [news:17CE741B-B05B-4DE3-8A91-36C5ECEF3086@xxxxxxxxxxxxxxxxxxxxx](mailto:news:17CE741B-B05B-4DE3-8A91-36C5ECEF3086@xxxxxxxxxxxxxxxxxxxxx)

Re: Can a USB driver exposed functions like RS232 COM port?

<http://www.toughbooksales.com/news-wd/TB-WD.pdf>

"Paul G. Tobey [eMVP]" wrote:

What model number from Panasonic?

Paul T.

"Pranav" <Pranav@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote  
in message  
[news:15AB52B5-49B1-4FDD-A251-F428B0736B3B@xxxxxxxxxxxxxxxxxxxx](mailto:news:15AB52B5-49B1-4FDD-A251-F428B0736B3B@xxxxxxxxxxxxxxxxxxxx)

Tablet PC runs on WinCE 5.0

"Paul G. Tobey [eMVP]" wrote:

OK, well, you've posted this  
entire thread to the wrong  
newsgroup, if  
you're  
talking about a Tablet PC,  
since that's running XP  
Table PC Edition,  
right?  
This is a Windows CE  
group...

Paul T.

"Pranav"  
<Pranav@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>  
wrote in message  
[news:8B796EA2-6D46-4CB0-9378-CAD52BC93254@xxxxxxxxxxxxxxxxxxxx](mailto:news:8B796EA2-6D46-4CB0-9378-CAD52BC93254@xxxxxxxxxxxxxxxxxxxx)

Hi,

Yes, the  
Panasonic  
tablet  
PC(hand  
held device)  
does not  
have serial  
port  
in  
it. So I need  
to use an

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USB port. I  
need to  
develop  
USB device  
driver  
which  
expose  
serial COM  
functions to  
Citrix ICA  
client.

Do you  
have any  
more  
insight on  
such driver?

I was  
planning to  
use RDP  
just for  
testing  
purpose.

Regards,

Pranav

"SergeiR"  
wrote:

Hi,

so  
you  
have  
a  
hand  
held  
device,  
which  
will  
run  
Citrix  
ICA  
client  
on  
it.

Re: Can a USB driver exposed functions like RS232 COM port?

This  
will  
allow  
user  
of  
such  
hand  
held  
device  
to  
execute  
a  
program  
on  
Citrix  
Server  
in  
a  
so-called  
terminal  
server  
mode.  
BTW,  
Citrix  
ICA  
protocol  
is  
not  
the  
same  
as  
Microsoft  
RDP  
one  
(  
even  
though  
both  
serve  
the  
same  
purpose).

Further,  
a  
program  
which  
runs  
in  
a  
terminal

Re: Can a USB driver exposed functions like RS232 COM port?

server  
mode  
via  
Citrix  
ICA  
protocol  
on  
your  
hand  
held  
device  
needs  
to  
use  
some  
external  
device,  
connected  
to  
this  
hand  
held  
device  
via  
USB  
port.

Is  
this  
correct  
picture  
?

If  
yes  
:

If  
you  
would  
have  
all  
that  
but  
a  
serial  
port  
on  
hand  
held  
device,

Re: Can a USB driver exposed functions like RS232 COM port?

you  
should  
not  
have  
any  
problem  
accessing  
your  
serial  
port  
in  
terminal  
server  
mode.  
With  
usb  
port  
instead  
of  
serial  
port,  
it  
may  
become  
more  
tricky  
and  
depends  
on  
case.

If  
not  
:

more  
information  
is  
needed.

Sincerely  
SergeiR

"Pranav"  
<Pranav@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

wrote  
in  
message

[news:2AA5CF73-0F44-44FD-941E-8C14A097A45D@xx](mailto:news:2AA5CF73-0F44-44FD-941E-8C14A097A45D@xx)

Re: Can a USB driver exposed functions like RS232 COM port?

A  
software  
application  
on  
Host  
supports  
only  
serial  
port  
(RS232),  
but  
my  
customer  
wants  
this  
application  
to  
use  
USB  
port.  
This  
is  
a  
hand  
held  
device  
and  
runs  
in  
citrix  
environment,  
it  
uses  
RDP.

Do  
you  
know  
more  
about  
this  
kind  
of  
setup?  
I  
am  
still  
trying  
trying  
to  
understand

Re: Can a USB driver exposed functions like RS232 COM port?

the  
whole  
scenario.

Regards,

Pranav

"Piet"  
wrote:

The  
USB  
function  
driver  
for  
ActiveSync  
Client  
does  
that.

There's  
a  
sample  
at

C:\WINCE500\PUBLIC\COMMON\OAK\D

But  
who  
do  
you  
talk  
with  
on  
the  
Host  
side?  
What  
protocol  
is  
used?

regards,  
Piet

Pranav

Re: Can a USB driver exposed functions like RS232 COM port?

schreef:

Hello  
Guys,

I  
am  
writing  
a  
USB  
Device  
driver  
for  
a  
hand  
held  
device.  
Application  
software  
running  
on  
the  
device  
does  
not  
support  
USB,  
it  
only  
can  
make  
Serial  
COM  
port  
function  
calls.  
Can  
any  
one  
suggest  
me,  
how  
to  
write  
a  
USB  
driver  
which  
exposes  
functions

Re: Can a USB driver exposed functions like RS232 COM port?

like  
Serial  
COM  
port?

Regards,

Pranav