

Re: How to show/hide cursor on attach/deattach usb mouse

Source:

<http://www.tech-archive.net/Archive/WindowsCE/microsoft.public.windowsce.platbuilder/2008-12/msg00148.html>

- *From:* venkatyv <venkatyv@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Thu, 4 Dec 2008 23:29:01 -0800
-

I am also cloning mouhid.dll and inserting GUID, call to AdvertiseInterface. Along with that Display Driver is modified with RequestDeviceNotifications, and switching on/off the cursor. In the process can you please tell me the following.

There is a component Mouse with SYSGEN_CURSOR in winCE6, does this has any software cursor drawing API because paul is rightly said that my display driver don't has hardware cursor drawing functions CursorOn()/CursorOff() implemented. So that i can use Software cursor drawing API in the process of handling USB mouse device notifications.

Is there a way by adding the following key, cursor can be enabled USB HID mouse.

```
[HKEY_LOCAL_MACHINE\System\GDI\Drivers]
"Cursor"=dword:1
```

Thanks,
Venkat

"Paul G. Tobey [eMVP]" wrote:

The problem is that those calls don't exist in every driver! For example, the driver that I use has no call by that name... The GpeFlat driver has it. The S3c2410 driver has it. Others do not.

Paul T.

"paolo patrierno" <paolopatrierno@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message <news:77A515AA-3312-4614-BDF9-01D4A83FA461@xxxxxxxxxxxxxxxxxxxx>

Hi,
I havn't developed the display driver....I hide the cursor inside the CursorOn() e CursorOff() call.

Best regards

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"venkatyv" wrote:

I too selected the same mouse component. i have USB mouse working but cursor is not visible. Can you please tell me what to be done in the display driver to get the mouse cursor.

Thanks,
Venkat

"paolo patrierno" wrote:

Hi,
I use windows ce 5 and the catalog item for the mouse is under "Shell and user Interface" – "User Interface".

Paolo

"Venkat" wrote:

Hi paolo,

I am facing the same problem on my TI OMAP3 platform with Wince6. USB mouse is working perfectly but cursor is not visible. I don't find CursorOn(), CursorOff() functions in my BSP, can you tell me the functionality to be added to see the mouse pointer.

Thanks,
Venkat

"paolo patrierno" wrote:

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Thank you
very much,
I have
modified
the display
driver
properly
and all
works...

Thanks

"Paul G.
Tobey
[eMVP]"
wrote:

There's
not
going
to
be
some
simple
way
to
do
this.
If
you're
following
my
model
and
using
AdvertiseInterface()
and
RequestDeviceNotifications(),
you'll
have
to
start
a
thread
during
display
driver
load

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to
handle
the
notifications.
What
you
do
when
one
such
notification
occurs
will
depend
on
exactly
how
the
display
driver
works,
which
we
don't
know;
it's
your
hardware's
driver
(you
have
the
board
support
package).
Maybe
calling
CursorOff()
or
CursorOn()
does
the
right
thing,
but
the
name
of
the
function
is

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insufficient
for
us
to
guess
what
the
function
*actually
does*.
You
have
to
read,
understand,
and
modify
the
code
appropriately.

Paul
T.

"paolo
patierno"
<paolopatierno@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>
wrote
in
message
news:85F01198-89FA-4F4C-BC70-AE4D07B8B79E@xxx

Hi,
I
have
some
problems....
My
target
platform
has
iMX31
Freescale
processor
with
a
internal
IPU...
I
have
found

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in
file
ddipu.h
two
functions
:

CursorOn()
CursorOff()

The
display
drawing
is
made
by
the
hw
controller....

Can
you
have
any
idea
where
i
put
registration
notifications
for
usb
mouse
attached
and
to
hide/show
cursor....

Help
!!

Thanks

"paolo
patierno"
wrote:

Thank
you

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very
much
for
your
help.
I
hope
that
i
will
be
usefull...thanks

"Paul
G.
Tobey
[eMVP]"
wrote:

It
should
be
obvious
that
the
answer
to
that
depends
on
the
display
driver.
There's
no
'enable/disable
cursor
here'
function.
Nor
is
there
a
right
answer
about
what
you
actually
need

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to
do.
If
your
driver
is
using
a
hardware
cursor
implemented
in
the
display
hardware,
you'd
do
one
thing.
If
it's
drawing
the
cursor
itself
in
software,
you'd
do
something
different.
This
is
where
you
earn
your
money!

Paul
T.

"paolo
patierno"
<paolopatierno@xxxxxxxxxxxxxxxxxxxxx
wrote
in
message
news:F4E9A6CE-12CC-4D46-880

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Ah....and
what
is
the
right
code
portion
to
modify
in
the
display
driver
to
receive
notifications
and
to
hide
cursor
?

Thanks..

"Paul
G.
Tobey
[eMVP]"
wrote:

No.
ShowCursor()
is
application-specific.
You
may
decrement
the
cursor
count
for
services.exe
well
below
zero,
but
that
won't
cause
the

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cursor
to
be
hidden
for
all
applications.

Paul
T.

"paolo
patierno"
<paolopatierno@xxx
wrote
in
message
<news:21AE7736-11>

My
idea
wasn't
to
modify
display
driver
but
to
create
a
windows
ce
service
that
receive
notifications
and
use
ShowCursor
works
??

"Paul
G.
Tobey
[eMVP]"
wrote:

Well
since

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I
need
it
in
both
mou
and
the
disp
drive
I
put
it
in
a
platf
head
file,
devo
in
case
you'
curio
I
could
not
use
the
ICla
regis
entry
and
mak
it
work
beca
I
was
start
with
the
PS/2
mou
so
I'm
not
100%
sure
about
that
for

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the
USE
case

Paul
T.

"pac
patie
<pac
wrot
in
mess
new

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