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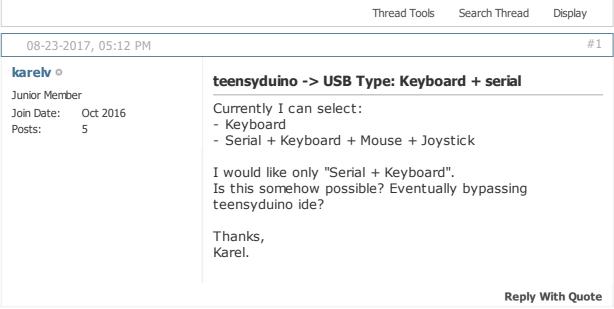☐ Remember Me?

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teensyduino -> USB Type: Keyboard + serial

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Thread: teensyduino -> USB Type: Keyboard + serial

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08-23-2017, 05:12 PM   #1

karelv ○
Junior Member
Join Date: Oct 2016
Posts: 5

teensyduino -> USB Type: Keyboard + serial

Currently I can select:
- Keyboard
- Serial + Keyboard + Mouse + Joystick

I would like only "Serial + Keyboard".
Is this somehow possible? Eventually bypassing teensyduino ide?

Thanks,
Karel.

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08-23-2017, 05:53 PM   #2

WMXZ ○
Senior Member
Join Date: Jul 2014
Posts: 2,968

❝❝ Originally Posted by **karelv** ▸

Currently I can select:
- Keyboard
- Serial + Keyboard + Mouse + Joystick

I would like only "Serial + Keyboard".
Is this somehow possible? Eventually bypassing teensyduino ide?

Thanks,
Karel.

Yes it is possible, but since you asked, I fear it may be a little bit too demanding.
So stick with the two add ons (Mouse + Joystick) they cost you nothing with respect to performance
If you really wanted to try, have a look into usb_desc. (h/c) and usb_def.(h/c) in cores/teensy3

Last edited by WMXZ; 08-23-2017 at 08:36 PM. **Reason:** corrected usb_def to usb_desc

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08-23-2017, 07:06 PM   #3

PaulStoffregen ○

Senior Member

Join Date: Nov 2012
Posts: 23,258

Yes, you can create custom combinations, but you need to edit usb_desc.h. See the comments in that file for instructions.

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08-23-2017, 11:17 PM   #4

karelv ○

Junior Member

Join Date: Oct 2016
Posts: 5

Thanks for info.
I will definitely try it out.
I have tried the keyboard message default example with the 4 types active, as WMXZ suggested, but my laptop's touchpad has not 'button' function anymore.
Probably it is due to mouse or joystick...

And of course I will share my results here ...

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07-26-2020, 10:54 PM   #5

Jp3141 ○

Senior Member

Join Date: Nov 2012
Posts: 486

Can someone please post an example of how to do this ?

I'm confused over the number of endpoints I need; where the unique number is for each interface (is it 'PRODUCT_ID') ? Is DEVICE_CLASS necessary ?

Also, I'm running on MacOS Catalina and changes I make to usb_desc.h don't show up in the Tools..USB Type menu. (Edit -- it seems I also have to edit boards.txt). If I edit these files, won't they get overwritten the next time I update Teensyduino ? Can I replace usb_desc.h in my project directory ? or the new pieces of it in my .ino file ?

I just want a USB type that has Serial + Keyboard (a simple keyboard; media keys not necessary).

I want my application to work as a USB keyboard in an iPhone, (and also have a serial port, although that's not for the iPhone) but the iPhone seems to complain about the joystick also included in the USB device.

Last edited by Jp3141; 07-27-2020 at 12:09 AM.

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