

INSTALLING A "USB 3" ADAPTER FOR A "WINDOWS.." COMPUTER

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SUMMARY

PCIe "USB 3" adapters bring the speed increases of "USB 3" to computers that do not have "USB 3" ports.

However, be prepared for a struggle if you attempt to install one into a "Windows.." (or Mac "OS X" or Linux) computer

TOPICS

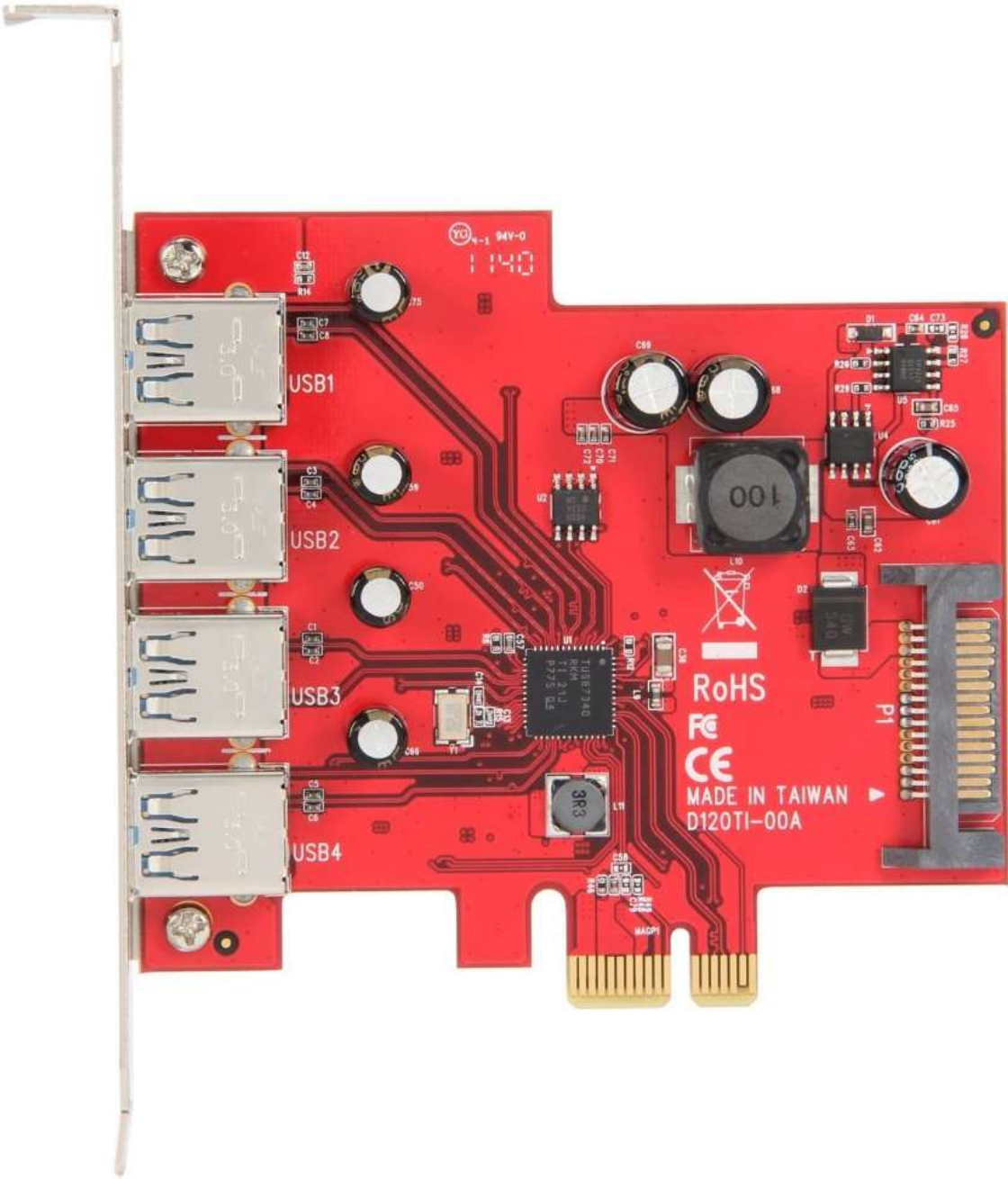
- Example of a USB 3 controller
- Installing a USB 3 controller
- Reason for the Protracted Struggle

EXAMPLE OF A USB 3 CONTROLLER

Rosewill 4-port PCIe-type USB 3
controller:

See

http://www.amazon.com/Rosewill-RC-229U4-PCI-Express-Controller-Card/dp/B00CX7Q29Q/ref=sr_1_3?ie=UTF8&qid=1422869044&sr=8-3&keywords=Rosewill+usb+3+controller+pcie



1940

USB1

USB2

USB3

USB4

RoHS
CE

MADE IN TAIWAN
D120TI-00A

P1

MAGP1

INSTALLING USB 3 CONTROLLERS

Whenever someone brings me a computer and wants help with installing a "USB 3" adapter, I expect a prolonged struggle as follows:

Step 1: Purchase a certain model of USB 3 adapter online (since they are hard to find in brick-and-mortar stores).

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(continued)

Step 2: With the computer powered off, insert the USB 3 adapter in an available PCIe slot.

Step 3: Power on the computer.

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Step 4: Install drivers, if the computer is running "Windows XP", "Windows Vista", or "Windows 7". (Do not install drivers if the computer is running "Windows 8", "Windows 8.1", or "Windows 10", since these versions of "Windows.." have native USB 3 support.)

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(continued)

Step 5: Test the USB 3 ports on the USB 3 adapter.

Step 6: If the USB 3 ports on the USB 3 adapter are not working, run "Windows Update" from the Control Panel and reboot the computer a few times.

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(continued)

Step 7: If the USB 3 ports on the USB 3 adapter are still inoperative, power off the computer.

Step 8: Remove the USB 3 adapter and try it a different-sized PCIe slot, if one is available.

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(continued)

Step 9: Remove the USB 3 adapter and return it to the seller.

Step 10: Repeat Steps 1 through 9 until you finally install a USB 3 card that works.

REASON FOR THE PROTRACTED STRUGGLE TO INSTALL A USB 3 CONTROLLER

Here is the reason for the above
laborious trial-and error process:

There are many chipsets for USB 3
adapters:

Asmedia ASM1042A

Etron SY-PEX20124

Etron SY-PEX20136

REASON FOR THE PROTRACTED STRUGGLE TO INSTALL A USB 3 CONTROLLER

Fresco Logic FL1100SX

NEC Renesas uPD720200

NEC Renesas uPD720201

NEC Renesas uPD720202

Texas Instruments TUSB7320

Texas Instruments TUSB7340

REASON FOR THE PROTRACTED STRUGGLE TO INSTALL A USB 3 CONTROLLER

Via VL800

Via VL805

Via VL806

Any specific model of motherboard will probably be compatible to only a subset of the above list of available USB 3 controller chipsets.